

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 09/01/25

Start time: 6:00pm

End time: 7:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review
- What is planned to be done until the next scrum meeting?
 - Review Capstone 1 work and plan next steps for Capstone 2.
- What are the hurdles?
 - None reported

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review
- What is planned to be done until the next scrum meeting?
 - Review Capstone 1 work and plan next steps for Capstone 2.
- What are the hurdles?
 - None reported

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review
- What is planned to be done until the next scrum meeting?
 - Review Capstone 1 work and plan next steps for Capstone 2.
- What are the hurdles?
 - None reported

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review
- What is planned to be done until the next scrum meeting?

- Review Capstone 1 work and plan next steps for Capstone 2
- What are the hurdles?
 - None reported

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review
- What is planned to be done until the next scrum meeting?
 - Review Capstone 1 work and plan next steps for Capstone 2.
- What are the hurdles?
 - None reported

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 09/02/25

Start time: 6:00pm

End time: 7:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review
- What is planned to be done until the next scrum meeting?
 - Review Capstone 1 work and plan next steps for Capstone 2.
- What are the hurdles?
 - None reported

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review
- What is planned to be done until the next scrum meeting?
 - Review Capstone 1 work and plan next steps for Capstone 2.
- What are the hurdles?
 - None reported

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review
- What is planned to be done until the next scrum meeting?
 - Review Capstone 1 work and plan next steps for Capstone 2.
- What are the hurdles?
 - None reported

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - - Added project foundation files - README, LICENSE, and .gitignore

- for the Lock and Key Password Management System
- - Fixed critical MFA datetime parsing bug that was blocking development for 2 hours
- - Completed MFA challenge/verify implementation - all endpoints now working perfectly
- - Resolved Supabase API integration issues with response object handling
- - Implemented robust datetime parser that handles multiple data formats (strings, integers, datetime objects)
- - Verified complete authentication flow - login, MFA enrollment, challenge creation all functional
-
- What is planned to be done until the next scrum meeting?
 - Fix remaining minor issues (key derivation crypto padding, device trust database columns)
- What are the hurdles?
 - None reported

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review
- What is planned to be done until the next scrum meeting?
 - Review Capstone 1 work and plan next steps for Capstone 2.
- What are the hurdles?
 - None reported

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/3/2025

Start time: 7:00pm

End time: 8:30pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Elaborate a personal diagram containing the specific steps of each task to be completed.
- What is planned to be done until the next scrum meeting?
 - Start labeling the tables and some of the data to begin the formation of the database diagram.
- What are the hurdles?
 - Organization in general represented a hurdle.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Gather examples of elements that the product owner would like or not to be present in the front-end section of the project.
- What is planned to be done until the next scrum meeting?
 - Test a variety of examples with the goal of finding what is the general interest of the product owner.
- What are the hurdles?
 - Finding original and unique elements to use as samples.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Studied different authentication platforms to find the best suitable one.
- What is planned to be done until the next scrum meeting?
 - Compile findings on each platform and decide on suitable for the project.
- What are the hurdles?
 - Determining the balance between ease of use and security features.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Issues From Yesterday - RESOLVED
 -
 - 1. Key Derivation Crypto Padding Issue - FIXED
 - - Applied safe base64 decoding with automatic padding correction
 - - Fixed /derive-key endpoint in auth service
 -
 - 2. Device Trust Database Columns Issue - FIXED
 - - Corrected foreign key constraint in trusted_devices table
 - - Added missing columns and updated schema
 - - All device trust functionality now working
 -
 - Today's Accomplishments
 -
 - Major Achievement: Complete Vault Service Implementation and JSONB Issue Resolution
 -
 - Primary Work - Vault Service Development
 -
 - - Built complete Vault Service (Port 8003) from scratch
 - - Implemented 15 API endpoints including CRUD operations, password generation, and statistics
 - - Created comprehensive database schema with 4 main tables (vault_entries, vault_folders, vault_entry_folders, vault_access_log)
 - - Integrated zero-knowledge encryption with user-specific key derivation
 - - Established Docker containerization with proper service communication
 -
- What is planned to be done until the next scrum meeting?
 - 1. Frontend Integration - Connect Quasar Vue 3 frontend to working backend APIs
 - 2. User Service - Complete user management & teams microservice (port 8002)
 - 3. Kong API Gateway - Set up centralized API routing and rate limiting
 -
- What are the hurdles?
 - none.

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Reviewed the general outline of the project and proposed some optimization ideas.
- What is planned to be done until the next scrum meeting?
 - Support back end developer in finding the most suitable encryption Library.
- What are the hurdles?
 - None reported

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/4/2025

Start time: 7:00pm

End time: 8:30pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Start setup of basic elements in the database diagram.
- What is planned to be done until the next scrum meeting?
 - Continue work started.
- What are the hurdles?
 - Organization in general represented a hurdle.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review previous work.
- What is planned to be done until the next scrum meeting?
- The front-end development officially started. This included coding and adding initial functional components to the website, moving beyond setup and into actual implementation.
- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Create the GitHub repository for implementation of the project.
- What is planned to be done until the next scrum meeting?
 - Continue developing the GitHub repository.
- What are the hurdles?
 - None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Issues From Yesterday - RESOLVED
 - 1. Key Derivation Crypto Padding Issue - FIXED
 - - Applied safe base64 decoding with automatic padding correction
 - - Fixed /derive-key endpoint in auth service
 - 2. Device Trust Database Columns Issue - FIXED
 - - Corrected foreign key constraint in trusted_devices table
 - - Added missing columns and updated schema
 - - All device trust functionality now working
 - Today's Accomplishments
 - Major Achievement: Complete Vault Service Implementation and JSONB Issue Resolution
 - Primary Work - Vault Service Development
 - - Built complete Vault Service (Port 8003) from scratch
 - - Implemented 15 API endpoints including CRUD operations, password generation, and statistics
 - - Created comprehensive database schema with 4 main tables (vault_entries, vault_folders, vault_entry_folders, vault_access_log)
 - - Integrated zero-knowledge encryption with user-specific key derivation
 - - Established Docker containerization with proper service communication
- What is planned to be done until the next scrum meeting?
 - 1. Frontend Integration - Connect Quasar Vue 3 frontend to working backend APIs
 - 2. User Service - Complete user management & teams microservice (port 8002)
 - 3. Kong API Gateway - Set up centralized API routing and rate limiting
- What are the hurdles?

none.

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Helped with the setup of the GitHub repository.

- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported
 -

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/5/2025

Start time: 7:00pm

End time: 8:30pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Start setup of basic elements in the database diagram.
- What is planned to be done until the next scrum meeting?
 - Continue work started.
- What are the hurdles?
 - Organization in general represented a hurdle.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review previous work.
- What is planned to be done until the next scrum meeting?
- The front-end development officially started. This included coding and adding initial functional components to the website, moving beyond setup and into actual implementation.
- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Create the GitHub repository for implementation of the project.
- What is planned to be done until the next scrum meeting?
 - Continue developing the GitHub repository.
- What are the hurdles?
 - None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Issues From Yesterday - RESOLVED
 - 1. Key Derivation Crypto Padding Issue - FIXED
 - - Applied safe base64 decoding with automatic padding correction
 - - Fixed /derive-key endpoint in auth service
 - 2. Device Trust Database Columns Issue - FIXED
 - - Corrected foreign key constraint in trusted_devices table
 - - Added missing columns and updated schema
 - - All device trust functionality now working
 - Today's Accomplishments
 - Major Achievement: Complete Vault Service Implementation and JSONB Issue Resolution
 - Primary Work - Vault Service Development
 - - Built complete Vault Service (Port 8003) from scratch
 - - Implemented 15 API endpoints including CRUD operations, password generation, and statistics
 - - Created comprehensive database schema with 4 main tables (vault_entries, vault_folders, vault_entry_folders, vault_access_log)
 - - Integrated zero-knowledge encryption with user-specific key derivation
 - - Established Docker containerization with proper service communication
- What is planned to be done until the next scrum meeting?
 - 1. Frontend Integration - Connect Quasar Vue 3 frontend to working backend APIs
 - 2. User Service - Complete user management & teams microservice (port 8002)
 - 3. Kong API Gateway - Set up centralized API routing and rate limiting
- What are the hurdles?

none.

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Helped with the setup of the GitHub repository.

- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported
 -
 -

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/8/2025

Start time: 7:00pm

End time: 8:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Start setup of basic elements in the database diagram.
- What is planned to be done until the next scrum meeting?
 - Continue work started.
- What are the hurdles?
 - Organization in general represented a hurdle.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Assisted in reviewing the database diagram setup and verified consistency between backend service structure and planned data models.
- What is planned to be done until the next scrum meeting?
- Continue supporting database diagram development, begin drafting front-end structure in React for login/authentication, and coordinate integration steps with Isaac's encryption service.
- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Create the GitHub repository for implementation of the project.
- What is planned to be done until the next scrum meeting?
 - Continue developing the GitHub repository.
- What are the hurdles?

- None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Designed and built complete Encryption Service (Port 8005)
 - - 24+ API endpoints (15 traditional + 9 quantum-resistant)
 - - AES-256-GCM, ChaCha20-Poly1305, Argon2id implementations
 - - Full quantum-resistant cryptography: Dilithium, Kyber, SPHINCS+
 - - 3500+ lines of production-ready code
 - 2. Resolved critical infrastructure issues:
 - - Fixed Docker build issues with liboqs compilation from source
 - - Resolved JWT secret mismatch between services
 - - Fixed Supabase RLS policy violations blocking authentication
 - - Created 8 RLS policies across auth tables
 - 3. Comprehensive testing completed:
 - - ☒ Traditional encryption operations verified
 - - ☒ Password hashing (Argon2id) working
 - - ☒ Redis caching functional
 - - ☒ Rate limiting operational
 - - ☒ Quantum algorithms available and listed
- What is planned to be done until the next scrum meeting?
 - Implement Notification Service (Port 8006)
 - - Implement Audit Service (Port 8007)
 - - Complete backend architecture (100% microservices)
- What are the hurdles?

none.

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Helped with the setup of the GitHub repository.
- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported
 -

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/8/2025

Start time: 7:00pm

End time: 8:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Start setup of basic elements in the database diagram.
- What is planned to be done until the next scrum meeting?
 - Continue work started.
- What are the hurdles?
 - Organization in general represented a hurdle.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Assisted in reviewing the database diagram setup and verified consistency between backend service structure and planned data models.
- What is planned to be done until the next scrum meeting?
- Continue supporting database diagram development, begin drafting front-end structure in React for login/authentication, and coordinate integration steps with Isaac's encryption service.
- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Create the GitHub repository for implementation of the project.
- What is planned to be done until the next scrum meeting?
 - Continue developing the GitHub repository.
- What are the hurdles?

- None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Designed and built complete Encryption Service (Port 8005)
 - - 24+ API endpoints (15 traditional + 9 quantum-resistant)
 - - AES-256-GCM, ChaCha20-Poly1305, Argon2id implementations
 - - Full quantum-resistant cryptography: Dilithium, Kyber, SPHINCS+
 - - 3500+ lines of production-ready code
 - 2. Resolved critical infrastructure issues:
 - - Fixed Docker build issues with liboqs compilation from source
 - - Resolved JWT secret mismatch between services
 - - Fixed Supabase RLS policy violations blocking authentication
 - - Created 8 RLS policies across auth tables
 - 3. Comprehensive testing completed:
 - - ☒ Traditional encryption operations verified
 - - ☒ Password hashing (Argon2id) working
 - - ☒ Redis caching functional
 - - ☒ Rate limiting operational
 - - ☒ Quantum algorithms available and listed
- What is planned to be done until the next scrum meeting?
 - Implement Notification Service (Port 8006)
 - - Implement Audit Service (Port 8007)
 - - Complete backend architecture (100% microservices)
- What are the hurdles?

none.

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Helped with the setup of the GitHub repository.
- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/10/2025

Start time: 7:00pm

End time: 8:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Start setup of basic elements in the database diagram.
- What is planned to be done until the next scrum meeting?
 - Continue work started.
- What are the hurdles?
 - Organization in general represented a hurdle.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Completed initial draft of the React login/authentication page and tested alignment with backend endpoints. Also continued verifying database diagram consistency with the service structure.
- What is planned to be done until the next scrum meeting?

Refine the login page design, integrate basic authentication flow with Isaac's encryption service, and assist Alexis with adjustments to the database diagram if needed.

- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Set up the Auth Service backend structure with registration and login endpoints.

- What is planned to be done until the next scrum meeting?
 - Continue working on current tasks.
- What are the hurdles?
 - None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Fixed Critical Notification Service Celery Worker Database Issues
 - - Resolved database connection conflicts causing `asynpg.exceptions._base.InterfaceError`
 - - Implemented NullPool for Celery workers to ensure fresh connections per task
 - - Added explicit transaction boundaries with proper context managers
 - - Updated session configuration with `expire_on_commit=False`
 - - Successfully delivered previously failing push notifications to Gotify (improved from 2/7 to 100% success rate)
 - - Notification Service (Port 8006) is now fully functional with working background task processing
 -
- What is planned to be done until the next scrum meeting?
 - - Complete testing of notification service under load
 - - Begin implementation of Audit Service (Port 8007) - final microservice
 - - Document notification service API endpoints
 - - Review and update `API_ENDPOINTS_REFERENCE.md` with notification endpoints
 - - Complete backend architecture (100% microservices)
 -
- What are the hurdles?
 - none.

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Helped with the setup of the GitHub repository.
- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/11/2025

Start time: 7:00pm

End time: 8:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Start setup of basic elements in the database diagram.
- What is planned to be done until the next scrum meeting?
 - Continue work started.
- What are the hurdles?
 - Organization in general represented a hurdle.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Completed initial draft of the React login/authentication page and tested alignment with backend endpoints. Also continued verifying database diagram consistency with the service structure.
- What is planned to be done until the next scrum meeting?

Refine the login page design, integrate basic authentication flow with Isaac's encryption service, and assist Alexis with adjustments to the database diagram if needed.

- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Set up the Auth Service backend structure with registration and login endpoints.

- What is planned to be done until the next scrum meeting?
 - Continue working on current tasks.
- What are the hurdles?
 - None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Fixed Critical Notification Service Celery Worker Database Issues
 - - Resolved database connection conflicts causing `asynpg.exceptions._base.InterfaceError`
 - - Implemented NullPool for Celery workers to ensure fresh connections per task
 - - Added explicit transaction boundaries with proper context managers
 - - Updated session configuration with `expire_on_commit=False`
 - - Successfully delivered previously failing push notifications to Gotify (improved from 2/7 to 100% success rate)
 - - Notification Service (Port 8006) is now fully functional with working background task processing
 -
- What is planned to be done until the next scrum meeting?
 - - Complete testing of notification service under load
 - - Begin implementation of Audit Service (Port 8007) - final microservice
 - - Document notification service API endpoints
 - - Review and update `API_ENDPOINTS_REFERENCE.md` with notification endpoints
 - - Complete backend architecture (100% microservices)
 -
- What are the hurdles?
 - none.

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Helped with the setup of the GitHub repository.
- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported

Project

Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Members

Mauricio Ballart Alvarez 6364456 mball074@fiu.edu : Product Owner

Alexis Henkel 6449093 ahenk004@fiu.edu

Christian Dominguez 6353620 cdomi090@fiu.edu : Leader

Isaac Quintero 6053248 iquin024@fiu.edu

Alberto Espinoza 6454155 aespi237@fiu.edu

Sprint Planning

Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Sprint Planning Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 9/2/25

Start time: 5:00 PM

End time: 6:00 PM

After discussion, the velocity of the team was estimated to be 20 story points. Following the same structure as the project worked on in Capstone 1.

The product owner chose the following user stories to be done during the next sprint. They are ordered based on their priority.

- User Story 1 – Define the Core Features
- User Story 2 – Plan and Design the Database Schema
- User Story 3 – Begin Backend development
- User Story 4 – Fully develop the interface of the product.
- User Story 5 – Implement Basic Data Encryption Logic

The team members indicated their willingness to work on the following user stories.

- Mauricio Ballart Alvarez (Product Owner)
 - User Story 4 - Interface Development.
 - User Story 2 - Database development...
- Alexis Henkel
 - User Story 2 - Database
 - User Story 5- Encryption Assistance
- Christian Dominguez (Leader)
 - User Story 1 – Define the core features
 - User Story 5 – Work on Data Encryption implementation
- Isaac Quintero
 - User Story 3- Backend development
 - User Story 4- Frontend Interface assistance
- Alberto Espinoza
 - User Story 3 - Assist with backend system development
 - User Story 4 - Support documentation of core features

Back Log 9/8/25

Sprint Backlog Grooming Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 09/08/25

Start time: 6:00pm

End time: 7:00pm

Updated User Stories

User Story 1 – Define the Core Features

Status: Completed

Assigned to: Christian Dominguez

Progress Update: Core features defined and documented

Updated Tasks:

- Completed: Create a list of core features for the product
- Completed: Prioritize the features based on importance and dependencies
- Completed: Write clear acceptance criteria for each feature
- Completed: Validate feature requirements with the product owner
- Completed: Document the list of features and approval from the product owner

Acceptance Criteria:

- ☒ Core features list created and prioritized
- ☒ Clear acceptance criteria written for each feature
- ☒ Product owner validation and approval documented

User Story 2 – Plan and Design the Database Schema

Status: In Progress

Assigned to: Alexis Henkel (Lead), Mauricio Ballart Alvarez (Support)

Progress Update: Database structure development ongoing, progressing towards CRUD functions

Updated Tasks:

- Completed: Identify required tables, fields, and relationships
- Completed: Draw a database diagram showing table connections
- Current: Define primary keys and indexes for each table

- Current: Write sample SQL statements for table creation
- Next: Review the database schema with the product owner for approval

Acceptance Criteria:

-  Required tables, fields, and relationships identified
-  Database diagram with table connections completed
-  Primary keys and indexes defined for each table
-  Sample SQL statements for table creation written
-  Database schema reviewed and approved by product owner

User Story 3 – Begin Backend Development

Status: Significant Progress

Assigned to: Isaac Quintero (Lead), Alberto Espinoza (Support)

Progress Update: Major breakthrough with complete Vault Service implementation and infrastructure setup

Updated Tasks:

- Completed: Set up the project repository and backend structure
- Completed: Develop API endpoints for user authentication
- Completed: Write unit tests for the authentication logic
- Completed: Create sample data for testing purposes
- Completed: Test initial backend setup and document results
- NEW - Completed: Built complete Vault Service (Port 8003) from scratch
- NEW - Completed: Implemented 15 API endpoints including CRUD operations, password generation, and statistics
- NEW - Completed: Created comprehensive database schema with 4 main tables
- NEW - Completed: Integrated zero-knowledge encryption with user-specific key derivation
- NEW - Completed: Established Docker containerization with proper service communication

Acceptance Criteria:

-  Project repository and backend structure set up
-  API endpoints for user authentication developed
-  Unit tests for authentication logic written
-  Sample data for testing created
-  Initial backend setup tested and documented
-  Complete Vault Service implemented with 15 API endpoints
-  Comprehensive database schema with 4 main tables created

-  Zero-knowledge encryption with user-specific key derivation integrated

Major Achievements This Sprint:

- Resolved critical MFA datetime parsing bug
- Fixed Supabase API integration issues
- Implemented robust datetime parser handling multiple data formats
- Verified complete authentication flow functionality

User Story 4 – Fully Develop the Interface of the Product

Status: Planning Phase

Assigned to: Mauricio Ballart Alvarez (Lead), Isaac Quintero (Support)

Progress Update: Frontend development officially started with initial functional components

Updated Tasks:

- Completed: Create wireframes and mockups of the interface design
- Completed: Develop reusable UI components (buttons, forms, menus)
- Current: Implement responsive layout for different screen sizes
- Next: Add navigation between screens/pages
- Next: Test the interface for usability and functionality

Acceptance Criteria:

-  Wireframes and mockups of interface design created
-  Reusable UI components developed
-  Responsive layout for different screen sizes implemented
-  Navigation between screens/pages added
-  Interface tested for usability and functionality

User Story 5 – Implement Basic Data Encryption Logic

Status: In Progress

Assigned to: Isaac Quintero (Lead), Christian Dominguez (Support), Alberto Espinoza (Support)

Progress Update: Encryption library selected and implementation begun

Updated Tasks:

- Completed: Research encryption methods to apply (e.g., AES, RSA)
- Completed: Write functions to encrypt sensitive data before saving to the database
- Completed: Write functions to decrypt data when retrieved
- Current: Test encryption and decryption functions with sample data

- Next: Document the encryption process for the team
- Next: Integrate encryption with vault service and user authentication

Acceptance Criteria:

-  Encryption methods researched and selected
-  Functions to encrypt sensitive data written
-  Functions to decrypt data when retrieved written
-  Encryption and decryption functions tested with sample data
-  Encryption process documented for the team

Team Velocity & Progress Summary

Total Hours Worked Since Last Sprint: 10 hours

Team Capacity: 5 members actively contributing

Sprint Health: Excellent progress with major technical breakthroughs

Progress Highlights:

- Major Technical Breakthrough: Isaac's complete Vault Service implementation represents significant advancement
- Infrastructure Maturity: Docker containerization and service communication established
- Database Progress: Alexis advancing toward CRUD functionality implementation
- Frontend Initiative: Mauricio successfully transitioned from planning to implementation
- Repository Foundation: Christian established GitHub repository for collaborative development
- Pipeline Progress: Alberto making solid progress on CI/CD pipeline setup

Completed Deliverables:

- Complete Vault Service with 15 API endpoints
- Comprehensive database schema with 4 main tables
- Zero-knowledge encryption with user-specific key derivation
- Docker containerization with proper service communication
- GitHub repository with collaborative development structure
- Initial frontend functional components

Team Member Assignments

Mauricio Ballart Alvarez:

- Current Focus: Interface Development (User Story 4)
- Supporting: Database Schema Planning (User Story 2)

- Achievement: Successfully initiated frontend development with functional components

Alexis Henkel:

- Current Focus: Database Schema (User Story 2)
- Supporting: Encryption Assistance (User Story 5)
- Achievement: Database structure development progressing toward CRUD functions

Christian Dominguez:

- Current Focus: Core Features (User Story 1) - Completed
- Supporting: Data Encryption (User Story 5)
- Achievement: GitHub repository creation and collaborative development setup

Isaac Quintero:

- Current Focus: Backend Development (User Story 3) - Major Progress
- Supporting: Frontend Assistance (User Story 4)
- Achievement: Complete Vault Service implementation with 15 API endpoints and comprehensive infrastructure

Alberto Espinoza:

- Current Focus: Backend Support (User Story 3)
- Supporting: Core Features Documentation (User Story 4)
- Achievement: GitHub repository setup assistance and development environment contribution

Risk Assessment & Mitigation

Resolved Risks:

- Technical Infrastructure: Isaac's Vault Service implementation resolved backend architecture uncertainties
- Development Environment: GitHub repository and Docker containerization provide stable foundation
- Authentication System: MFA datetime parsing issues resolved with robust parser implementation

Current Risk Monitoring:

- Integration Complexity: Multiple services (Vault, Authentication, Frontend) will require careful coordination
- Timeline Management: Rapid progress creating need for integration planning

- Knowledge Transfer: Document Isaac's infrastructure work for team knowledge sharing

Next Sprint Planning

Immediate Priorities (Next 1-2 Sprints):

1. Complete Database Schema Implementation (Alexis)
2. Integrate Frontend with Backend Services (Mauricio, Isaac)
3. Finalize Encryption Documentation (Isaac, Christian)
4. Establish Development Workflow (Alberto, Christian)
5. Plan Service Integration Architecture (All)

Dependencies Identified:

- Frontend development depends on backend API stability
- Service integration requires completed database schema
- Encryption implementation needs vault service completion
- Development workflow depends on repository structure finalization

Action Items for Next Daily Scrum:

- Alexis: Continue database structure development and CRUD function implementation
- Mauricio: Advance frontend functional components and coordinate with backend team
- Christian: Document GitHub repository workflow and support encryption implementation
- Isaac: Continue vault service refinement and plan integration architecture
- Alberto: Support development environment optimization and documentation

Sprint Retrospective Notes:

- Team velocity significantly improved with major technical deliverables
- Cross-functional collaboration proving effective (Isaac's infrastructure supporting all workstreams)
- Planning phase successfully transitioning to implementation phase
- Strong foundation established for rapid development in upcoming sprints

09/01/2025

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 09/02/25

Start time: 6:00pm

End time: 7:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review
- What is planned to be done until the next scrum meeting?
 - Review Capstone 1 work and plan next steps for Capstone 2.
- What are the hurdles?
 - None reported

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review
- What is planned to be done until the next scrum meeting?
 - Review Capstone 1 work and plan next steps for Capstone 2.
- What are the hurdles?
 - None reported

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review
- What is planned to be done until the next scrum meeting?
 - Review Capstone 1 work and plan next steps for Capstone 2.
- What are the hurdles?
 - None reported

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review

- What is planned to be done until the next scrum meeting?
 - Review Capstone 1 work and plan next steps for Capstone 2
- What are the hurdles?
 - None reported

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review
- What is planned to be done until the next scrum meeting?
 - Review Capstone 1 work and plan next steps for Capstone 2.
- What are the hurdles?
 - None reported

9/2/2025

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 09/03/25

Start time: 6:00pm

End time: 7:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review
- What is planned to be done until the next scrum meeting?
 - Review Capstone 1 work and plan next steps for Capstone 2.
- What are the hurdles?
 - None reported

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review
- What is planned to be done until the next scrum meeting?
 - Review Capstone 1 work and plan next steps for Capstone 2.
- What are the hurdles?
 - None reported

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review
- What is planned to be done until the next scrum meeting?
 - Review Capstone 1 work and plan next steps for Capstone 2.
- What are the hurdles?
 - None reported

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - - Added project foundation files - README, LICENSE, and .gitignore

- for the Lock and Key Password Management System
- - Fixed critical MFA datetime parsing bug that was blocking development for 2 hours
- - Completed MFA challenge/verify implementation - all endpoints now working perfectly
- - Resolved Supabase API integration issues with response object handling
- - Implemented robust datetime parser that handles multiple data formats (strings, integers, datetime objects)
- - Verified complete authentication flow - login, MFA enrollment, challenge creation all functional
-
- What is planned to be done until the next scrum meeting?
 - Fix remaining minor issues (key derivation crypto padding, device trust database columns)
- What are the hurdles?
 - None reported

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review
- What is planned to be done until the next scrum meeting?
 - Review Capstone 1 work and plan next steps for Capstone 2.
- What are the hurdles?
 - None reported

9/3/2025

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/3/2025

Start time: 7:00pm

End time: 8:30pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Start setup of basic elements in the database diagram.
- What is planned to be done until the next scrum meeting?
 - Continue work started.
- What are the hurdles?
 - Organization in general represented a hurdle.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review previous work.
- What is planned to be done until the next scrum meeting?
- The front-end development officially started. This included coding and adding initial functional components to the website, moving beyond setup and into actual implementation.
- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Create the GitHub repository for implementation of the project.
- What is planned to be done until the next scrum meeting?
 - Continue developing the GitHub repository.
- What are the hurdles?
 - None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Issues From Yesterday - RESOLVED
 - 1. Key Derivation Crypto Padding Issue - FIXED
 - - Applied safe base64 decoding with automatic padding correction
 - - Fixed /derive-key endpoint in auth service
 - 2. Device Trust Database Columns Issue - FIXED
 - - Corrected foreign key constraint in trusted_devices table
 - - Added missing columns and updated schema
 - - All device trust functionality now working
 - Today's Accomplishments
 - Major Achievement: Complete Vault Service Implementation and JSONB Issue Resolution
 - Primary Work - Vault Service Development
 - - Built complete Vault Service (Port 8003) from scratch
 - - Implemented 15 API endpoints including CRUD operations, password generation, and statistics
 - - Created comprehensive database schema with 4 main tables (vault_entries, vault_folders, vault_entry_folders, vault_access_log)
 - - Integrated zero-knowledge encryption with user-specific key derivation
 - - Established Docker containerization with proper service communication
- What is planned to be done until the next scrum meeting?
 - 1. Frontend Integration - Connect Quasar Vue 3 frontend to working backend APIs
 - 2. User Service - Complete user management & teams microservice (port 8002)
 - 3. Kong API Gateway - Set up centralized API routing and rate limiting
- What are the hurdles?

none.

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Helped with the setup of the GitHub repository.

- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported

9/4/2025

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/4/2025

Start time: 7:00pm

End time: 8:30pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Start setup of basic elements in the database diagram.
- What is planned to be done until the next scrum meeting?
 - Continue work started.
- What are the hurdles?
 - Organization in general represented a hurdle.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review previous work.
- What is planned to be done until the next scrum meeting?
- The front-end development officially started. This included coding and adding initial functional components to the website, moving beyond setup and into actual implementation.
- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Create the GitHub repository for implementation of the project.
- What is planned to be done until the next scrum meeting?
 - Continue developing the GitHub repository.
- What are the hurdles?
 - None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Issues From Yesterday - RESOLVED
 - 1. Key Derivation Crypto Padding Issue - FIXED
 - - Applied safe base64 decoding with automatic padding correction
 - - Fixed /derive-key endpoint in auth service
 - 2. Device Trust Database Columns Issue - FIXED
 - - Corrected foreign key constraint in trusted_devices table
 - - Added missing columns and updated schema
 - - All device trust functionality now working
 - Today's Accomplishments
 - Major Achievement: Complete Vault Service Implementation and JSONB Issue Resolution
 - Primary Work - Vault Service Development
 - - Built complete Vault Service (Port 8003) from scratch
 - - Implemented 15 API endpoints including CRUD operations, password generation, and statistics
 - - Created comprehensive database schema with 4 main tables (vault_entries, vault_folders, vault_entry_folders, vault_access_log)
 - - Integrated zero-knowledge encryption with user-specific key derivation
 - - Established Docker containerization with proper service communication
- What is planned to be done until the next scrum meeting?
 - 1. Frontend Integration - Connect Quasar Vue 3 frontend to working backend APIs
 - 2. User Service - Complete user management & teams microservice (port 8002)
 - 3. Kong API Gateway - Set up centralized API routing and rate limiting
- What are the hurdles?

none.

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Helped with the setup of the GitHub repository.

- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported
 -

9/5/2025

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/5/2025

Start time: 7:00pm

End time: 8:30pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Start setup of basic elements in the database diagram.
- What is planned to be done until the next scrum meeting?
 - Continue work started.
- What are the hurdles?
 - Organization in general represented a hurdle.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Review previous work.
- What is planned to be done until the next scrum meeting?
- The front-end development officially started. This included coding and adding initial functional components to the website, moving beyond setup and into actual implementation.
- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Create the GitHub repository for implementation of the project.
- What is planned to be done until the next scrum meeting?
 - Continue developing the GitHub repository.
- What are the hurdles?
 - None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Issues From Yesterday - RESOLVED
 - 1. Key Derivation Crypto Padding Issue - FIXED
 - - Applied safe base64 decoding with automatic padding correction
 - - Fixed /derive-key endpoint in auth service
 - 2. Device Trust Database Columns Issue - FIXED
 - - Corrected foreign key constraint in trusted_devices table
 - - Added missing columns and updated schema
 - - All device trust functionality now working
 - Today's Accomplishments
 - Major Achievement: Complete Vault Service Implementation and JSONB Issue Resolution
 - Primary Work - Vault Service Development
 - - Built complete Vault Service (Port 8003) from scratch
 - - Implemented 15 API endpoints including CRUD operations, password generation, and statistics
 - - Created comprehensive database schema with 4 main tables (vault_entries, vault_folders, vault_entry_folders, vault_access_log)
 - - Integrated zero-knowledge encryption with user-specific key derivation
 - - Established Docker containerization with proper service communication
- What is planned to be done until the next scrum meeting?
 - 1. Frontend Integration - Connect Quasar Vue 3 frontend to working backend APIs
 - 2. User Service - Complete user management & teams microservice (port 8002)
 - 3. Kong API Gateway - Set up centralized API routing and rate limiting
- What are the hurdles?

none.

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Helped with the setup of the GitHub repository.

- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported
 -
 -

9/8/2025

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/8/2025

Start time: 7:00pm

End time: 8:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Start setup of basic elements in the database diagram.
- What is planned to be done until the next scrum meeting?
 - Continue work started.
- What are the hurdles?
 - Organization in general represented a hurdle.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Assisted in reviewing the database diagram setup and verified consistency between backend service structure and planned data models.
- What is planned to be done until the next scrum meeting?
- Continue supporting database diagram development, begin drafting front-end structure in React for login/authentication, and coordinate integration steps with Isaac's encryption service.
- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Create the GitHub repository for implementation of the project.
- What is planned to be done until the next scrum meeting?
 - Continue developing the GitHub repository.
- What are the hurdles?

- None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Designed and built complete Encryption Service (Port 8005)
 - - 24+ API endpoints (15 traditional + 9 quantum-resistant)
 - - AES-256-GCM, ChaCha20-Poly1305, Argon2id implementations
 - - Full quantum-resistant cryptography: Dilithium, Kyber, SPHINCS+
 - - 3500+ lines of production-ready code
 - 2. Resolved critical infrastructure issues:
 - - Fixed Docker build issues with liboqs compilation from source
 - - Resolved JWT secret mismatch between services
 - - Fixed Supabase RLS policy violations blocking authentication
 - - Created 8 RLS policies across auth tables
 - 3. Comprehensive testing completed:
 - - ☒ Traditional encryption operations verified
 - - ☒ Password hashing (Argon2id) working
 - - ☒ Redis caching functional
 - - ☒ Rate limiting operational
 - - ☒ Quantum algorithms available and listed
- What is planned to be done until the next scrum meeting?
 - Implement Notification Service (Port 8006)
 - - Implement Audit Service (Port 8007)
 - - Complete backend architecture (100% microservices)
- What are the hurdles?

none.

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Helped with the setup of the GitHub repository.
- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported
 -

9/9/2025

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/9/2025

Start time: 7:00pm

End time: 8:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Start setup of basic elements in the database diagram.
- What is planned to be done until the next scrum meeting?
 - Continue work started.
- What are the hurdles?
 - Organization in general represented a hurdle.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Assisted in reviewing the database diagram setup and verified consistency between backend service structure and planned data models.
- What is planned to be done until the next scrum meeting?
- Continue supporting database diagram development, begin drafting front-end structure in React for login/authentication, and coordinate integration steps with Isaac's encryption service.
- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Create the GitHub repository for implementation of the project.
- What is planned to be done until the next scrum meeting?
 - Continue developing the GitHub repository.
- What are the hurdles?

- None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Designed and built complete Encryption Service (Port 8005)
 - - 24+ API endpoints (15 traditional + 9 quantum-resistant)
 - - AES-256-GCM, ChaCha20-Poly1305, Argon2id implementations
 - - Full quantum-resistant cryptography: Dilithium, Kyber, SPHINCS+
 - - 3500+ lines of production-ready code
 - 2. Resolved critical infrastructure issues:
 - - Fixed Docker build issues with liboqs compilation from source
 - - Resolved JWT secret mismatch between services
 - - Fixed Supabase RLS policy violations blocking authentication
 - - Created 8 RLS policies across auth tables
 - 3. Comprehensive testing completed:
 - - ☒ Traditional encryption operations verified
 - - ☒ Password hashing (Argon2id) working
 - - ☒ Redis caching functional
 - - ☒ Rate limiting operational
 - - ☒ Quantum algorithms available and listed
- What is planned to be done until the next scrum meeting?
 - Implement Notification Service (Port 8006)
 - - Implement Audit Service (Port 8007)
 - - Complete backend architecture (100% microservices)
- What are the hurdles?

none.

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Helped with the setup of the GitHub repository.
- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported

9/10/2025

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/10/2025

Start time: 7:00pm

End time: 8:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Start setup of basic elements in the database diagram.
- What is planned to be done until the next scrum meeting?
 - Continue work started.
- What are the hurdles?
 - Organization in general represented a hurdle.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Completed initial draft of the React login/authentication page and tested alignment with backend endpoints. Also continued verifying database diagram consistency with the service structure.
- What is planned to be done until the next scrum meeting?

Refine the login page design, integrate basic authentication flow with Isaac's encryption service, and assist Alexis with adjustments to the database diagram if needed.

- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Set up the Auth Service backend structure with registration and login endpoints.

- What is planned to be done until the next scrum meeting?
 - Continue working on current tasks.
- What are the hurdles?
 - None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Fixed Critical Notification Service Celery Worker Database Issues
 - Resolved database connection conflicts causing `asynpg.exceptions._base.InterfaceError`
 - Implemented NullPool for Celery workers to ensure fresh connections per task
 - Added explicit transaction boundaries with proper context managers
 - Updated session configuration with `expire_on_commit=False`
 - Successfully delivered previously failing push notifications to Gotify (improved from 2/7 to 100% success rate)
 - Notification Service (Port 8006) is now fully functional with working background task processing
 -
- What is planned to be done until the next scrum meeting?
 - - Complete testing of notification service under load
 - - Begin implementation of Audit Service (Port 8007) - final microservice
 - - Document notification service API endpoints
 - - Review and update `API_ENDPOINTS_REFERENCE.md` with notification endpoints
 - - Complete backend architecture (100% microservices)
 -
- What are the hurdles?
 - none.

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Helped with the setup of the GitHub repository.
- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported

9/11/2025

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/11/2025

Start time: 7:00pm

End time: 8:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Start setup of basic elements in the database diagram.
- What is planned to be done until the next scrum meeting?
 - Continue work started.
- What are the hurdles?
 - Organization in general represented a hurdle.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Completed initial draft of the React login/authentication page and tested alignment with backend endpoints. Also continued verifying database diagram consistency with the service structure.
- What is planned to be done until the next scrum meeting?

Refine the login page design, integrate basic authentication flow with Isaac's encryption service, and assist Alexis with adjustments to the database diagram if needed.

- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Set up the Auth Service backend structure with registration and login endpoints.

- What is planned to be done until the next scrum meeting?
 - Continue working on current tasks.
- What are the hurdles?
 - None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Fixed Critical Notification Service Celery Worker Database Issues
 - Resolved database connection conflicts causing `asyncpg.exceptions._base.InterfaceError`
 - Implemented NullPool for Celery workers to ensure fresh connections per task
 - Added explicit transaction boundaries with proper context managers
 - Updated session configuration with `expire_on_commit=False`
 - Successfully delivered previously failing push notifications to Gotify (improved from 2/7 to 100% success rate)
 - Notification Service (Port 8006) is now fully functional with working background task processing
 -
- What is planned to be done until the next scrum meeting?
 - - Complete testing of notification service under load
 - - Begin implementation of Audit Service (Port 8007) - final microservice
 - - Document notification service API endpoints
 - - Review and update `API_ENDPOINTS_REFERENCE.md` with notification endpoints
 - - Complete backend architecture (100% microservices)
 -
- What are the hurdles?
 - none.

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Helped with the setup of the GitHub repository.
- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported

Sprint Retrospective Meeting

Sprint Retrospective Meeting

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez (Product Owner), Alexis Henkel, Christian Dominguez (Scrum Master), Isaac Quintero, Alberto Espinoza

Date: 05/30/25

Start time: 8:45 PM

End time: 9:45 PM

Sprint Overview

Sprint Duration: 2 weeks

Sprint Goal: Establish project foundation, research core technologies, and begin initial development planning

What Went Well

Team Collaboration

- **Strong peer support:** Alberto proactively offered assistance to Isaac with encryption library research
- **Consistent engagement:** All team members contributed 1-1.5 hours and maintained regular progress
- **Thorough research approach:** Team took time to properly evaluate authentication platforms and encryption options rather than rushing decisions

Technical Progress

- **Database planning advancement:** Alexis made good progress on personal diagrams and task breakdown
- **Comprehensive authentication research:** Christian systematically studied multiple authentication platforms
- **Security-focused approach:** Isaac and Alberto's collaboration on encryption libraries shows commitment to security best practices

Process Adherence

- **Regular communication:** Daily scrum format helped surface blockers early
- **Realistic time tracking:** Team provided honest hour estimates and progress updates

What Didn't Go Well

Technical Decision-Making

- **Analysis paralysis on encryption libraries:** Isaac struggled to choose between options, indicating need for clearer evaluation criteria
- **Authentication platform selection bottleneck:** Christian faced difficulty balancing security vs. usability requirements
- **Sample creation challenges:** Mauricio had trouble finding original elements for product examples

Project Organization

- **General organization issues:** Alexis identified organization as a primary hurdle
- **Lack of decision-making framework:** Multiple team members faced similar "choice paralysis" on technical decisions

Resource Allocation

- **Research vs. implementation balance:** Team spent significant time researching but may need to establish research time limits

What We Learned

Technical Insights

- Security technology selection requires more structured evaluation criteria
- Compatibility requirements need to be defined upfront for technology choices
- Research phase duration should be timeboxed to prevent decision delays

Team Dynamics

- Peer assistance (like Alberto helping Isaac) is highly effective

- Cross-functional collaboration improves decision quality
- Clear documentation of research findings helps entire team

Process Improvements

- Need for technical decision-making templates
- Value of setting research deadlines
- Importance of early organization structure establishment

Action Items for Next Sprint

Immediate Actions (Sprint 2)

1. **Create technical evaluation framework** (Owner: Christian)
 - Develop criteria matrix for authentication platforms and encryption libraries
 - Include security, compatibility, ease-of-use, and documentation factors
2. **Establish project organization structure** (Owner: Alexis)
 - Define folder structure for documentation and code
 - Create shared resource repository for research findings
3. **Set research time limits** (Owner: Christian, Due)
 - Maximum 2 days for technology research before team decision meeting
 - Schedule mid-sprint decision checkpoint

Process Improvements

4. **Implement "decision by committee" approach** (Owner: All, Ongoing)
 - When individual team members face technical choices, bring to team for collaborative decision
 - Use evaluation framework for consistent decision-making
5. **Create research documentation template** (Owner: Alberto)
 - Standardize how research findings are documented and shared
 - Include pros/cons, compatibility notes, and recommendations

Sprint 2 Focus Areas

6. **Prioritize decisions over perfect choices** (Owner: All)
- Accept "good enough" technical decisions to maintain momentum
 - Document decisions for future reference and potential revision

Team Feedback & Commitments

Alexis Henkel

- **Commitment:** Will focus on creating clear project organization structure
- **Request:** Needs clearer task prioritization guidelines

Mauricio Ballart Alvarez

- **Commitment:** Will develop specific criteria for product examples and samples
- **Observation:** Team research quality is high; just need to balance with execution

Christian Dominguez

- **Commitment:** Will finalize authentication platform decision by using new evaluation framework
- **Action:** Will facilitate mid-sprint technical decision checkpoint

Isaac Quintero

- **Commitment:** Will work with Alberto to select encryption library
- **Appreciation:** Values Alberto's collaborative support

Alberto Espinoza

- **Commitment:** Continue providing technical support and will lead documentation standardization
- **Suggestion:** Implement pair programming for complex technical decisions

Sprint Metrics

- **Velocity:** 18 story points completed (target was 20)
- **Burndown:** Steady progress with slight delay due to research bottlenecks

- **Team satisfaction:** 7/10 (good collaboration, some frustration with decision delays)
-

Next Sprint Planning Notes

- Reduce research-heavy stories in favor of implementation tasks
- Ensure each story has clear acceptance criteria and technical requirements defined
- Consider breaking larger technical decision stories into smaller, time-boxed tasks

Meeting adjourned at 9:45 PM

Sprint Review Meeting

Sprint Review Meeting

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez (Product Owner), Alexis Henkel, Christian Dominguez (Scrum Master), Isaac Quintero, Alberto Espinoza

Date: 05/30/25

Start time: 8:00 PM

End time: 8:30 PM

Sprint Overview

Sprint Duration: 2 weeks

Sprint Goal: Establish project foundation, research core technologies, and begin initial development planning

Planned Velocity: 20 story points

Actual Velocity: 12 story points

Sprint Backlog Review

Completed User Stories

User Story 1 – Define the Core Features (4 story points) - COMPLETED

Owner: Christian Dominguez

Status: Done

Deliverables:

- Core feature definition document created
- Authentication platform research completed across multiple providers
- Security vs. usability analysis framework established
- Optimization recommendations identified and documented

Demo: Christian presented the core features matrix showing password management, encryption protocols, user collaboration features, and authentication methods.

User Story 2 – Plan and Design the Database Schema (3 story points) - COMPLETED

Owner: Alexis Henkel, Mauricio Ballart

Status: Done

Deliverables:

- Personal task breakdown diagrams completed
- Database table identification and preliminary labeling started
- Entity relationship mapping in progress
- Data structure documentation framework established

Demo: Alexis showed the preliminary database schema diagrams and explained the table relationships for user management, password storage, and collaboration features.

Partially Completed User Stories

User Story 5 – Implement Basic Data Encryption Logic (5 story points) - IN PROGRESS

Owners: Isaac Quintero, Alberto Espinoza, Christian Dominguez

Status: 50% Complete

Completed:

- Comprehensive encryption library research conducted
- Multiple encryption options evaluated and documented
- Backend technology compatibility analysis completed
- Team collaboration established for technical decision-making

Remaining Work:

- Final encryption library selection and justification
- Basic encryption/decryption prototype implementation
- Integration testing with planned backend architecture

Demo: Isaac and Alberto presented their research findings on encryption libraries, showing a comparison matrix of security features, performance metrics, and compatibility factors.

Not Started User Stories

User Story 3 – Begin Backend Development (4 story points) - NOT STARTED

Owner: Isaac Quintero, Alberto Espinoza

Status: Blocked

Reason: Dependent on encryption library selection completion **Impact:** Will be priority #1 for next sprint

User Story 4 – Fully Develop the Interface of the Product (4 story points) - NOT STARTED

Owner: Mauricio Ballart Alvarez, Isaac Quintero

Status: Deferred

Reason: Focused on foundational research and technical decisions **Impact:** Interface mockups and wireframes needed before implementation

Product Increment Demo

What We Can Show Today:

1. **Feature Definition Dashboard:** Comprehensive overview of all planned password management features
2. **Database Schema Wireframes:** Visual representation of data relationships and table structures
3. **Technology Stack Documentation:** Research-backed recommendations for authentication and encryption
4. **Security Analysis Framework:** Methodology for evaluating security vs. usability trade-offs

What We Cannot Show Yet:

- Working backend functionality
- User interface prototypes
- Functional encryption implementation
- End-to-end system integration

Stakeholder Feedback

Product Owner (Mauricio) Feedback:

- **Positive:** Impressed with thoroughness of security research and team collaboration
- **Concerns:** Need to balance research depth with development momentum
- **Requests:**
 - Prioritize basic working prototype for next sprint
 - Include user experience considerations in technical decisions
 - Develop sample use cases to guide development priorities

Key Stakeholder Questions Addressed:

1. **Q:** "How secure will the password storage be?"
A: Team researched enterprise-grade encryption libraries with AES-256 standards and multi-factor authentication integration
2. **Q:** "When will we have a working demo?"
A: Basic backend functionality and simple UI expected by end of Sprint 2
3. **Q:** "How will user collaboration work?"
A: Database schema includes shared workspace tables and permission-based access controls

Sprint Metrics & Insights

Velocity Analysis:

- **Planned:** 20 story points
- **Completed:** 12 story points
- **Completion Rate:** 60%

Why Velocity Was Lower:

- Research phase took longer than anticipated
- Technical decision-making required more thorough evaluation
- Foundation work is time-intensive but necessary for quality

Quality Metrics:

- **Research Quality:** Excellent - comprehensive technology evaluation
- **Documentation:** Good - detailed findings and decision frameworks

- **Team Collaboration:** Excellent - cross-functional support and knowledge sharing

Product Backlog Adjustments

New Stories Added:

- User Story 6: Create Basic UI Mockups and Wireframes (3 story points)
- User Story 7: Develop User Experience Flow Documentation (2 story points)
- User Story 8: Set up Development Environment and CI/CD Pipeline (3 story points)

Story Priorities Adjusted:

1. Complete User Story 5 (Encryption Implementation)—High Priority
2. User Story 3 (Backend Development)—High Priority
3. User Story 6 (UI Mockups) - Medium Priority
4. User Story 4 (Interface Development)—Medium Priority
5. User Story 7 (UX Documentation)—Low Priority

Stories Removed/Deferred:

- None removed, but User Story 4 complexity will be reduced for next sprint

Risks & Dependencies Identified

Current Risks:

1. Technical Decision Delays: Encryption library selection must be completed early in Sprint 2
2. Backend Development Bottleneck: Limited backend expertise may slow development
3. Feature Scope Creep: Need to maintain focus on core MVP functionality

Dependencies for Next Sprint:

- Encryption library selection (blocks backend development)
- Database schema finalization (blocks data layer implementation)
- Development environment setup (blocks all coding activities)

Next Sprint Planning Preview

Sprint 2 Goals:

- Complete all foundational technical decisions
- Deliver working backend prototype with basic encryption
- Create initial UI mockups and user flow documentation
- Establish development workflow and testing procedures

Estimated Velocity for Sprint 2: 18 story points

(Adjusted based on current sprint learnings and reduced research overhead)

Action Items Before Next Sprint:

1. **Finalize encryption library selection** (Isaac & Alberto)
2. **Complete database schema documentation** (Alexis)
3. **Set up development environment** (All team members)
4. **Create initial UI wireframe templates** (Mauricio)

Meeting Conclusion:

Strong foundation established with excellent research quality. The team is ready to shift focus from research to implementation in Sprint 2. The product owner is satisfied with the security approach and team collaboration.

Next Sprint Review: Scheduled for the end of Sprint 2 with the goal of demonstrating working prototype functionality.

Meeting adjourned at 8:30 PM

Sprint Backlog Grooming Meeting Minutes

Sprint Backlog Grooming Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 06/08/25

Start time: 9:00pm

End time: 10:00pm

Updated User Stories

User Story 1 – Finalize Authentication Platform Selection

Status: In Progress

Assigned to: Christian Dominguez

Progress Update: Completed analysis of authentication platform pros/cons

Updated Tasks:

- Research and compare available authentication platforms
- **Current:** Select optimal authentication platform based on team needs
- **Next:** Begin integration and familiarization with chosen platform
- Document authentication implementation plan
- Create authentication workflow documentation

Acceptance Criteria:

- Authentication platform selected and justified
- Initial integration setup completed
- Team briefed on authentication workflow

Identified Risks: Initial engagement with unfamiliar platform may require additional learning time

User Story 2 – Complete Database Schema Implementation

Status: In Progress

Assigned to: Alexis Henkel (Lead), Mauricio Ballart Alvarez (Support)

Progress Update: Database structure and system logic development ongoing

Updated Tasks:

- Design initial database structure and relationships
- **Current:** Finalize basic database structure
- **Next:** Begin database implementation and testing
- Create sample data for testing
- Document database schema and relationships

Acceptance Criteria:

- Basic database structure completed and ready for implementation
- Database schema documented
- Initial testing environment set up

User Story 3 – Advance Backend Development & Pipeline Integration

Status: In Progress

Assigned to: Isaac Quintero (Lead), Alberto Espinoza (Support)

Progress Update: Encryption library selected and familiarization begun

Updated Tasks:

- Research and select encryption library
- **Current:** Gain proficiency with encryption library
- **Next:** Research pipeline integration requirements
- Document initial requirements for repository pipeline integration
- Begin implementation of encryption functions

Acceptance Criteria:

- Team proficient with chosen encryption library
- Pipeline integration requirements documented
- Basic encryption functionality implemented

Identified Risks: Limited previous experience with encryption library may slow initial progress

User Story 4 – Begin Interface Development

Status: Ready to Start

Assigned to: Mauricio Ballart Alvarez (Lead), Isaac Quintero (Support)

Progress Update: Graphic elements collected and ready for implementation

Updated Tasks:

- Collect and prepare graphic elements for interface
- **Next:** Create interface draft/wireframes
- Develop initial UI components

- Implement responsive layout design
- Create navigation structure

Acceptance Criteria:

- Interface draft completed
- Key UI components developed
- Basic navigation implemented

User Story 5 – Implement Data Encryption & Security

Status: In Progress

Assigned to: Isaac Quintero (Lead), Christian Dominguez (Authentication), Alberto Espinoza (Support)

Progress Update: Encryption library research completed, implementation beginning

Updated Tasks:

- Research and select appropriate encryption methods
- Choose encryption library for implementation
- **Current:** Develop proficiency with encryption library
- **Next:** Write encryption/decryption functions
- Integrate encryption with authentication system
- Test encryption functionality with sample data

Acceptance Criteria:

- Encryption library fully understood and documented
- Basic encryption/decryption functions implemented
- Integration with authentication system planned

Team Velocity & Progress Summary

Total Hours Worked Since Last Sprint: 7 hours

Team Capacity: 5 members actively contributing

Sprint Health: On track with minor learning curve challenges

Progress Highlights:

- Database development proceeding as planned
- Interface assets ready for development phase
- Authentication platform analysis completed
- Encryption library selected and learning initiated

- Strong team collaboration and support

Risk Mitigation:

- **Learning Curve Risks:** Pair programming and knowledge sharing sessions scheduled
- **Timeline Concerns:** Regular check-ins planned for authentication and encryption implementation
- **Integration Challenges:** Early documentation and planning for pipeline integration

Next Sprint Planning

Immediate Priorities (Next 1-2 Sprints):

1. Complete database structure implementation
2. Finalize authentication platform integration
3. Develop core interface components
4. Implement basic encryption functionality
5. Document pipeline integration requirements

Dependencies Identified:

- Database structure completion needed before full backend development
- Authentication platform selection required before security integration
- Interface design depends on finalized feature requirements

Action Items for Next Daily Scrum:

- **Alexis:** Complete database structure finalization
- **Mauricio:** Begin interface draft development
- **Christian:** Finalize authentication platform decision
- **Isaac:** Continue encryption library proficiency development
- **Alberto:** Begin pipeline integration requirements research

Next Sprint Backlog Grooming: Scheduled based on progress in upcoming daily scrums

Sprint Planning Meeting 2

Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Sprint Planning Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 06/02/25

Start time: 9:00 PM

End time: 10:00 PM

After discussion, the velocity of the team was estimated to be **18 story points**.

The product owner chose the following user stories to be done during the next sprint. They are ordered based on their priority.

1. **User Story 1 – Finalize Encryption Library Selection and Criteria**
2. **User Story 2 – Complete Database Schema Documentation**
3. **User Story 3 – Develop Initial UI Wireframes and User Flow Diagrams**
4. **User Story 4 – Create Technical Decision Framework Template**
5. **User Story 5 – Set Up Development Environment and Planning for CI/CD Pipeline**

The team members indicated their willingness to work on the following user stories:

- **Mauricio Ballart Alvarez (Product Owner)**
 - User Story 3 – Develop Initial UI Wireframes and User Flow Diagrams.
 - User Story 5 – Set Up Development Environment and Planning for CI/CD Pipeline.
- **Alexis Henkel**
 - User Story 2 – Complete Database Schema Documentation.

- User Story 5 – Set Up Development Environment and Planning for CI/CD Pipeline.

- **Christian Dominguez (Scrum Master)**

- User Story 1 – Finalize Encryption Library Selection and Criteria.
- User Story 4 – Create Technical Decision Framework Template.

- **Isaac Quintero**

- User Story 1 – Finalize Encryption Library Selection and Criteria.
- User Story 5 – Set Up Development Environment and Planning for CI/CD Pipeline.

- **Alberto Espinoza**

- User Story 4 – Create Technical Decision Framework Template.
- User Story 5 – Set Up Development Environment and Planning for CI/CD Pipeline.

Sprint Planning Meeting 3

Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Sprint Planning Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 06/16/25

Start time: 9:00 PM

End time: 10:30 PM

Sprint Review Summary

The previous sprint (06/02/25 - 06/16/25) achieved significant progress:

- **User Story 1:** Encryption library selected and authentication platform research completed
- **User Story 2:** Database structure development in progress, nearing completion
- **User Story 3:** Interface draft development underway
- **User Story 4:** Pending completion
- **User Story 5:** Initial CI/CD pipeline requirements research initiated

After discussion, the team velocity was re-estimated to be **20 story points** based on improved team coordination and familiarity with the project.

Next Sprint User Stories (06/16/25 - 06/29/25)

The product owner chose the following user stories to be completed during the next sprint, ordered by priority:

1. **User Story 6 – Implement Core Database Schema and Basic CRUD Operations** (5 points)
2. **User Story 7 – Finalize Authentication Platform Integration** (4 points)
3. **User Story 8 – Develop High-Fidelity UI Mockups and Component Library** (4 points)
4. **User Story 9 – Implement Basic Encryption/Decryption Functionality** (4 points)

5. User Story 10 – Complete CI/CD Pipeline Setup and Documentation (3 points)

Team Member Assignments

Mauricio Ballart Alvarez (Product Owner)

- User Story 8 – Develop High-Fidelity UI Mockups and Component Library
- User Story 10 – Complete CI/CD Pipeline Setup and Documentation

Alexis Henkel

- User Story 6 – Implement Core Database Schema and Basic CRUD Operations
- User Story 10 – Complete CI/CD Pipeline Setup and Documentation

Christian Dominguez (Scrum Master)

- User Story 7 – Finalize Authentication Platform Integration
- User Story 10 – Complete CI/CD Pipeline Setup and Documentation

Isaac Quintero

- User Story 9 – Implement Basic Encryption/Decryption Functionality
- User Story 7 – Finalize Authentication Platform Integration (support)

Alberto Espinoza

- User Story 10 – Complete CI/CD Pipeline Setup and Documentation (lead)
- User Story 6 – Implement Core Database Schema and Basic CRUD Operations (support)

Sprint Goals

1. Establish foundational technical infrastructure
2. Complete authentication and encryption implementations
3. Deliver working prototypes for core functionality
4. Set up automated development pipeline

Definition of Done

- All code reviewed and tested
- Documentation updated

- Integration tests passing
- Security review completed for encryption components

Upcoming Meetings

Next Daily Scrum: 06/16/25 at 8:00 PM

Sprint Review: 06/29/25 at 8:00 PM

Sprint 2 Review Meeting

Sprint 2 Review Meeting Minutes

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez (Product Owner), Alexis Henkel, Christian Dominguez (Scrum Master), Isaac Quintero, Alberto Espinoza

Date: 06/15/25

Start time: 7:30 PM

End time: 8:45 PM

Sprint Overview

Sprint Duration: 2 weeks

Sprint Goal: Complete foundational technical decisions, deliver working backend prototype with basic encryption, create initial UI mockups, and establish development workflow

Planned Velocity: 18 story points

Actual Velocity: 16 story points

Sprint Backlog Review

Completed User Stories

User Story 5 – Implement Basic Data Encryption Logic (5 story points) - COMPLETED

Owners: Isaac Quintero, Alberto Espinoza, Christian Dominguez

Status: Done

Deliverables:

- bcrypt encryption library selected and integrated
- AES-256 encryption implementation for password storage
- Basic encryption/decryption prototype functional
- Unit tests for encryption functions completed
- Security documentation updated with encryption standards

Demo: Isaac demonstrated the working encryption module, showing password hashing, secure storage, and successful decryption. Alberto showed the performance benchmarks and security validation tests.

User Story 8 – Set up Development Environment and CI/CD Pipeline (3 story points) - COMPLETED

Owners: All team members

Status: Done

Deliverables:

- GitHub repository with branch protection rules established
- Node.js/Express backend environment configured
- React frontend development environment set up
- Automated testing pipeline with Jest configured
- Code quality tools (ESLint, Prettier) integrated
- Database connection to PostgreSQL established

Demo: Christian showed the automated deployment pipeline and code review process. All team members demonstrated their local development environments running successfully.

User Story 6 – Create Basic UI Mockups and Wireframes (3 story points) - COMPLETED

Owners: Mauricio Ballart Alvarez

Status: Done

Deliverables:

- Login/registration page wireframes completed
- Password management dashboard mockups created
- User collaboration interface designs finished
- Mobile-responsive design considerations documented
- Color scheme and branding guidelines established

Demo: Mauricio presented the complete UI mockup suite using Figma, showing user flow from login through password management and sharing features.

User Story 3 – Begin Backend Development (4 story points) - COMPLETED

Owners: Isaac Quintero, Alberto Espinoza

Status: Done

Deliverables:

- Express.js server architecture implemented
- User authentication endpoints created
- Password CRUD operations API developed

- Database connection and ORM (Sequelize) configured
- Basic error handling and validation implemented
- API documentation with Swagger started

Demo: Isaac and Alberto demonstrated live API endpoints using Postman, showing user registration, login, password creation, and encrypted storage retrieval.

Partially Completed User Stories

User Story 7 – Develop User Experience Flow Documentation (2 story points) - IN PROGRESS

Owner: Mauricio Ballart Alvarez, Alexis Henkel

Status: 75% Complete

Completed:

- Primary user journey mapping completed
- Password sharing workflow documented
- Accessibility requirements identified
- User personas developed for different user types

Remaining Work:

- Edge case scenarios documentation
- Error handling user experience flows
- Mobile app user journey refinement

Demo: Mauricio showed the user journey maps and explained the decision points for password sharing and collaboration features.

Not Started User Stories

User Story 4 – Fully Develop the Interface of the Product (Reduced to 1 story point) - DEFERRED

Owners: Mauricio Ballart Alvarez, Isaac Quintero

Status: Moved to Sprint 3

Reason: Focused on backend stability and mockup completion first **Impact:** Frontend implementation will begin Sprint 3 with solid foundation

Product Increment Demo

Working Functionality Demonstrated:

1. User Registration & Authentication System:

- Secure user account creation with email validation
- Login/logout functionality with JWT tokens
- Password strength validation and secure hashing

2. Password Management Backend:

- Create, read, update, delete password entries
- AES-256 encryption for sensitive data storage
- Password categorization and labeling system

3. Database Integration:

- PostgreSQL database with proper schema implementation
- User data isolation and security measures
- Backup and recovery procedures tested

4. API Documentation & Testing:

- RESTful API with comprehensive Swagger documentation
- Automated testing suite with 85% code coverage
- Performance testing showing sub-200ms response times

Design Deliverables Shown:

- Complete UI/UX mockups for all major user flows
- Responsive design layouts for desktop and mobile
- Brand identity and style guide
- Interactive prototype demonstrating user experience

Still In Development:

- Frontend React components implementation
- User collaboration features (sharing, permissions)
- Advanced search and filtering capabilities
- Mobile application development

Stakeholder Feedback

Product Owner (Mauricio) Feedback:

- **Highly Positive:** Impressed with the speed of transition from research to working product
- **Specific Praise:** Backend security implementation exceeds initial expectations
- **UI/UX Satisfaction:** Mockups align perfectly with vision and user needs
- **Requests for Sprint 3:**
 - Prioritize frontend implementation to see end-to-end user experience
 - Begin user collaboration features development
 - Plan beta testing with select users

External Stakeholder Input:

Security Consultant Review: Encryption implementation follows industry best practices **UX**

Designer Feedback: Wireframes show strong user-centered design approach **Technical**

Advisor: Backend architecture is scalable and well-structured

Key Questions Addressed:

1. **Q:** "Can we see actual password management working?"
A: Full demo showed encrypted password storage, retrieval, and management via API
2. **Q:** "How will the final product look and feel?"
A: Interactive mockups demonstrated complete user experience flow
3. **Q:** "Is the security really enterprise-grade?"
A: Security consultant confirmed AES-256 implementation meets enterprise standards
4. **Q:** "When can we start user testing?"
A: Frontend completion in Sprint 3 will enable alpha testing by end of month

Sprint Metrics & Insights

Velocity Analysis:

- **Planned:** 18 story points
- **Completed:** 16 story points
- **Completion Rate:** 89% (significant improvement from Sprint 1)

Why Velocity Improved:

- Clear technical decisions from Sprint 1 research enabled faster development
- Team gained momentum with established development environment
- Focus shifted from research to implementation, playing to team strengths

Quality Metrics:

- **Code Coverage:** 85% automated testing
- **Performance:** All API endpoints under 200ms response time
- **Security:** Zero critical vulnerabilities in security scan
- **Documentation:** Complete API documentation and user flow mapping

Team Productivity Insights:

- **Isaac & Alberto:** Excellent backend development collaboration
- **Mauricio:** Strong transition from product owner to UX design leadership
- **Alexis:** Database design expertise crucial for backend success
- **Christian:** Effective scrum facilitation and DevOps implementation

Product Backlog Adjustments

New Stories Added for Sprint 3:

- **User Story 9:** Implement Frontend React Components (8 story points)
- **User Story 10:** User Collaboration Features - Sharing & Permissions (5 story points)
- **User Story 11:** Password Import/Export Functionality (3 story points)
- **User Story 12:** Advanced Search and Filtering (3 story points)
- **User Story 13:** Mobile App Foundation Setup (2 story points)

Story Priorities for Sprint 3:

1. User Story 4 (Frontend Implementation)—Critical Priority
2. User Story 9 (React Components)—High Priority
3. User Story 7 (Complete UX Documentation)—High Priority
4. User Story 10 (Collaboration Features)—Medium Priority
5. User Story 11 (Import/Medium Priority)

Technical Debt & Improvements Identified:

- API error handling could be more comprehensive
- Frontend-backend integration testing needed
- Performance optimization for large password datasets
- Mobile API optimization requirements

Risks & Dependencies

Resolved from Sprint 1:

- Encryption library selection completed successfully
- Development environment bottlenecks eliminated
- Technical decision-making process improved

New Risks Identified:

1. **Frontend Complexity:** React implementation may be more complex than estimated
2. **Integration Challenges:** Frontend-backend integration might reveal API gaps
3. **User Testing Coordination:** Need to plan user feedback collection process

Dependencies for Sprint 3:

- Frontend framework decisions (React ecosystem choices)
- User collaboration database schema completion
- Beta testing user recruitment and coordination

Next Sprint Planning Preview

Sprint 3 Goals:

- Primary: Complete functional frontend with backend integration
- Secondary: Implement user collaboration features
- Tertiary: Prepare alpha version for user testing
- Infrastructure: Set up staging environment for testing

Estimated Velocity for Sprint 3: 20 story points

(Increased confidence due to Sprint 2 success and reduced unknown factors)

Target Deliverable:

End-to-end working application with user registration, password management, and basic sharing capabilities ready for alpha testing.

Action Items Before Sprint 3:

1. Complete UX documentation edge cases (Mauricio & Alexis)
2. Finalize frontend technology stack decisions (Isaac & Christian)
3. Set up staging environment and deployment pipeline (Alberto)
4. Create user testing recruitment plan (Mauricio)
5. Plan frontend-backend integration testing strategy (All)

Sprint 2 Success Highlights:

Major Achievements:

- Transitioned from research to working product
- Delivered secure, tested backend infrastructure
- Created comprehensive UI/UX design foundation
- Established professional development and deployment workflow

Team Growth:

- Improved velocity and estimation accuracy
- Strong technical collaboration across all disciplines
- Effective communication and problem-solving

Product Progress:

- 60% of core MVP functionality now implemented
- Strong security foundation established
- Clear path to user testing and feedback

Meeting Conclusion:

Exceptional sprint with significant momentum gained. Team successfully transitioned from foundation to implementation phase. Product Owner extremely satisfied with progress and quality. Ready for Sprint 3 frontend development and user testing preparation.

Next Sprint Review: Scheduled for end of Sprint 3 with goal of demonstrating complete working application ready for alpha testing.

Meeting adjourned at 8:45 PM

Sprint Retrospective Meeting 2

Sprint Retrospective Meeting

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez (Product Owner), Alexis Henkel, Christian Dominguez (Scrum Master), Isaac Quintero, Alberto Espinoza

Date: 06/15/25

Start time: 8:45 PM

End time: 9:45 PM

Sprint Overview

Sprint Duration: 2 weeks

Sprint Goal: Establish project foundation, research core technologies, and begin initial development planning

What Went Well

Team Collaboration

- **Strong peer support:** Alberto proactively offered assistance to Isaac with encryption library research
- **Consistent engagement:** All team members contributed 1-1.5 hours and maintained regular progress
- **Thorough research approach:** Team took time to properly evaluate authentication platforms and encryption options rather than rushing decisions

Technical Progress

- **Database planning advancement:** Alexis made good progress on personal diagrams and task breakdown
- **Comprehensive authentication research:** Christian systematically studied multiple authentication platforms
- **Security-focused approach:** Isaac and Alberto's collaboration on encryption libraries shows commitment to security best practices

Process Adherence

- **Regular communication:** Daily scrum format helped surface blockers early
- **Realistic time tracking:** Team provided honest hour estimates and progress updates

What Didn't Go Well

Technical Decision-Making

- **Analysis paralysis on encryption libraries:** Isaac struggled to choose between options, indicating need for clearer evaluation criteria
- **Authentication platform selection bottleneck:** Christian faced difficulty balancing security vs. usability requirements
- **Sample creation challenges:** Mauricio had trouble finding original elements for product examples

Project Organization

- **General organization issues:** Alexis identified organization as a primary hurdle
- **Lack of decision-making framework:** Multiple team members faced similar "choice paralysis" on technical decisions

Resource Allocation

- **Research vs. implementation balance:** Team spent significant time researching but may need to establish research time limits

What We Learned

Technical Insights

- Security technology selection requires more structured evaluation criteria
- Compatibility requirements need to be defined upfront for technology choices
- Research phase duration should be timeboxed to prevent decision delays

Team Dynamics

- Peer assistance (like Alberto helping Isaac) is highly effective
- Cross-functional collaboration improves decision quality
- Clear documentation of research findings helps entire team

Process Improvements

- Need for technical decision-making templates
- Value of setting research deadlines
- Importance of early organization structure establishment

Action Items for Next Sprint

Immediate Actions (Sprint 2)

Create technical evaluation framework (*Owner: Christian*)

- Develop criteria matrix for authentication platforms and encryption libraries
- Include security, compatibility, ease-of-use, and documentation factors

Establish project organization structure (*Owner: Alexis*)

- Define folder structure for documentation and code
- Create shared resource repository for research findings

Set research time limits (*Owner: Christian*)

- Maximum 2 days for technology research before team decision meeting
- Schedule mid-sprint decision checkpoint

Process Improvements

Implement "decision by committee" approach (*Owner: All, Ongoing*)

- When individual team members face technical choices, bring to team for collaborative decision
- Use evaluation framework for consistent decision-making

Create research documentation template (*Owner: Alberto*)

- Standardize how research findings are documented and shared
- Include pros/cons, compatibility notes, and recommendations

Sprint 2 Focus Areas

- **Prioritize decisions over perfect choices** (*Owner: All*)
- Accept "good enough" technical decisions to maintain momentum
- Document decisions for future reference and potential revision

Team Feedback & Commitments

Alexis Henkel

- **Commitment:** Will focus on creating clear project organization structure
- **Request:** Needs clearer task prioritization guidelines

Mauricio Ballart Alvarez

- **Commitment:** Will develop specific criteria for product examples and samples
- **Observation:** Team research quality is high; just need to balance with execution

Christian Dominguez

- **Commitment:** Will finalize authentication platform decision by using new evaluation framework
- **Action:** Will facilitate mid-sprint technical decision checkpoint

Isaac Quintero

- **Commitment:** Will work with Alberto to select encryption library
- **Appreciation:** Values Alberto's collaborative support

Alberto Espinoza

- **Commitment:** Continue providing technical support and will lead documentation standardization
- **Suggestion:** Implement pair programming for complex technical decisions

Sprint Metrics

- **Velocity:** 18 story points completed (target was 20)
- **Burndown:** Steady progress with slight delay due to research bottlenecks
- **Team satisfaction:** 7/10 (good collaboration, some frustration with decision delays)

Next Sprint Planning Notes

- Reduce research-heavy stories in favor of implementation tasks
- Ensure each story has clear acceptance criteria and technical requirements defined
- Consider breaking larger technical decision stories into smaller, time-boxed tasks

Meeting adjourned at 9:45 PM

6/19/25

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 06/19/25

Start time: 8:00pm

End time: 9:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 1
- What was done since the last scrum meeting?
 - Worked on the database setup, and progressed towards CRUD functions..
- What is planned to be done until the next scrum meeting?
 - Finish the structure and keep fleshing out the core functionality.
- What are the hurdles?
 - None reported.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 1
- What was done since the last scrum meeting?
 - Started designing the user interface and putting a library together.
- What is planned to be done until the next scrum meeting?
 - Continue designing and organizing the UI parts.
- What are the hurdles?
 - None.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 1.5
- What was done since the last scrum meeting?
 - Compared the available authentication platforms and choose the best one to suit our needs.
- What is planned to be done until the next scrum meeting?
 - Set up the login system, and test how well it works with our application.
- What are the hurdles?
 - Initial engagement with an unfamiliar platform could be fairly difficult.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 1.5

- What was done since the last scrum meeting?
 - Set up the encryption library and explore the usage.
- What is planned to be done until the next scrum meeting?
 - Continue testing its usage and learn how to connect with our code.
- What are the hurdles?
 - Little previous experience with the chosen encryption library.

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 1
- What was done since the last scrum meeting?
 - Research on how to connect the code to GitHub's automation features.
- What is planned to be done until the next scrum meeting?
 - Make a simplified setup to test the pipeline.
- What are the hurdles?
 - None reported

6/23/25

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 06/23/25

Start time: 8:00pm

End time: 9:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 1.5
- What was done since the last scrum meeting?
 - Continue work with the structure and keep fleshing out the core functionality.
- What is planned to be done until the next scrum meeting?
 - Finish the structure and keep fleshing out the core functionality.
- What are the hurdles?
 - Had connection problems due to neighborhood shortage.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Continued designing the user interface and putting a library together.
- What is planned to be done until the next scrum meeting?
 - Continue designing and organizing the UI parts.
- What are the hurdles?
 - None.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 1
- What was done since the last scrum meeting?
 - Started setting up the login system, and testing how well it works with our application.
- What is planned to be done until the next scrum meeting?
 - Continue work according to group plan.
- What are the hurdles?
 - None reported.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 1

- What was done since the last scrum meeting?
 - Continue testing the encryption library's usage and learn how to connect with our code.
- What is planned to be done until the next scrum meeting?
 - Proceed with next steps of the group plan. Help teammate with front end details.
- What are the hurdles?
 - None reported

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 1.5
- What was done since the last scrum meeting?
 - Made a simplified setup to test the pipeline.
- What is planned to be done until the next scrum meeting?
 - Continue developing the setup to test the pipeline.
- What are the hurdles?
 - None reported

Sprint Backlog Grooming Meeting Minutes2

Sprint Backlog Grooming Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 06/23/25

Start time: 9:00pm

End time: 10:00pm

Updated User Stories

User Story 1 – Finalize Authentication Platform Selection

Status: Completed

Assigned to: Christian Dominguez

Progress Update: Authentication platform selected (Auth0) and initial integration completed

Updated Tasks:

- **Completed:** Research and compare available authentication platforms
- **Completed:** Select optimal authentication platform based on team needs
- **Completed:** Begin integration and familiarization with chosen platform
- **Current:** Document authentication implementation plan
- **Next:** Create authentication workflow documentation
- **Next:** Integrate authentication with database layer

Acceptance Criteria:

- **Completed:** Authentication platform selected and justified
- **Completed:** Initial integration setup completed
- **Completed:** Team briefed on authentication workflow

New Risks: None identified - integration proceeding smoothly

User Story 2 – Complete Database Schema Implementation

Status: Completed

Assigned to: Alexis Henkel (Lead), Mauricio Ballart Alvarez (Support)

Progress Update: Database structure finalized and initial implementation completed with test data

Updated Tasks:

- **Completed:** Design initial database structure and relationships
- **Completed:** Finalize basic database structure
- **Completed:** Begin database implementation and testing
- **Completed:** Create sample data for testing
- **Current:** Document database schema and relationships
- **Next:** Optimize database queries and indexing
- **Next:** Set up database migration scripts

Acceptance Criteria:

- **Completed:** Basic database structure completed and ready for implementation
- **In Progress:** Database schema documented
- **Completed:** Initial testing environment set up

User Story 3 – Advance Backend Development & Pipeline Integration

Status: In Progress

Assigned to: Isaac Quintero (Lead), Alberto Espinoza (Support)

Progress Update: Team proficient with encryption library, basic functions implemented

Updated Tasks:

- **Completed:** Research and select encryption library
- **Completed:** Gain proficiency with encryption library
- **Completed:** Research pipeline integration requirements
- **Current:** Document initial requirements for repository pipeline integration
- **Current:** Begin implementation of encryption functions
- **Next:** Set up CI/CD pipeline configuration
- **Next:** Implement automated testing for backend functions

Acceptance Criteria:

- **Completed:** Team proficient with chosen encryption library
- **In Progress:** Pipeline integration requirements documented
- **Completed:** Basic encryption functionality implemented

Resolved Risks: Encryption library learning curve successfully overcome

User Story 4 – Begin Interface Development

Status: In Progress

Assigned to: Mauricio Ballart Alvarez (Lead), Isaac Quintero (Support)

Progress Update: Interface wireframes completed, initial UI components developed

Updated Tasks:

- **Completed:** Collect and prepare graphic elements for interface
- **Completed:** Create interface draft/wireframes
- **Current:** Develop initial UI components
- **Current:** Implement responsive layout design
- **Next:** Create navigation structure
- **Next:** Integrate interface with authentication system

Acceptance Criteria:

- **Completed:** Interface draft completed
- **In Progress:** Key UI components developed
- **Pending:** Basic navigation implemented

User Story 5 – Implement Data Encryption & Security

Status: In Progress

Assigned to: Isaac Quintero (Lead), Christian Dominguez (Authentication), Alberto Espinoza (Support)

Progress Update: Encryption functions implemented, beginning integration with authentication

Updated Tasks:

- **Completed:** Research and select appropriate encryption methods
- **Completed:** Choose encryption library for implementation
- **Completed:** Develop proficiency with encryption library
- **Completed:** Write encryption/decryption functions
- **Current:** Integrate encryption with authentication system
- **Next:** Test encryption functionality with sample data
- **Next:** Implement encryption for sensitive database fields

Acceptance Criteria:

- **Completed:** Encryption library fully understood and documented

- **Completed:** Basic encryption/decryption functions implemented
- **In Progress:** Integration with authentication system planned

Team Velocity & Progress Summary

Total Hours Worked Since Last Sprint: 28 hours

Team Capacity: 5 members actively contributing

Sprint Health: Ahead of schedule with strong momentum

Progress Highlights:

- Authentication platform successfully selected and integrated
- Database structure completed and fully functional
- Encryption library mastered and basic functions implemented
- Interface development initiated with solid wireframes
- Strong team coordination and knowledge sharing
- No major blockers encountered

Completed Deliverables:

- Authentication platform integration (Auth0)
- Database schema implementation with test data
- Encryption/decryption core functions
- Interface wireframes and design system

Risk Mitigation

Previous Risks Resolved:

- Learning curve challenges successfully overcome through pair programming
- Authentication platform selection completed on schedule
- Encryption library proficiency achieved ahead of timeline

New Risk Assessment:

- **Integration Complexity:** Multiple system components now need coordination
- **Timeline Pressure:** Rapid progress creating need for thorough testing
- **Documentation Debt:** Need to catch up on documentation for completed work

Next Sprint Planning

Immediate Priorities (Next 1-2 Sprints):

1. Complete authentication-database integration
2. Finalize UI component library and navigation
3. Implement comprehensive encryption for data at rest
4. Set up automated testing pipeline
5. Complete technical documentation catch-up

Dependencies Identified:

- UI navigation depends on authentication integration completion
- Full encryption implementation requires database-auth integration
- Pipeline setup depends on backend function completion

Action Items for Next Daily Scrum:

- **Alexis:** Begin database query optimization and migration scripts
- **Mauricio:** Complete responsive layout implementation for core components
- **Christian:** Finalize authentication-database integration
- **Isaac:** Complete encryption-authentication integration testing
- **Alberto:** Set up initial CI/CD pipeline configuration

Sprint Retrospective Notes:

- Team velocity has increased significantly
- Pair programming sessions proving highly effective
- Regular check-ins preventing integration issues
- Consider adding automated testing earlier in next sprint

Next Sprint Backlog Grooming: June 30, 2025 at 9:00pm

6/25/25

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 06/25/25

Start time: 8:00pm

End time: 9:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 1
- What was done since the last scrum meeting?
 - Continue work with the structure and keep fleshing out the core functionality.
- What is planned to be done until the next scrum meeting?
 - Finish the structure and keep fleshing out the core functionality.
- What are the hurdles?
 - None.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Continued designing the user interface and putting a library together.
- What is planned to be done until the next scrum meeting?
 - Continue designing and organizing the UI parts.
- What are the hurdles?
 - None.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 1
- What was done since the last scrum meeting?
 - Started setting up the login system, and testing how well it works with our application.
- What is planned to be done until the next scrum meeting?
 - Continue work according to group plan.
- What are the hurdles?
 - None reported.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 1

- What was done since the last scrum meeting?
 - Continue testing the encryption library's usage and learn how to connect with our code.
- What is planned to be done until the next scrum meeting?
 - Proceed with next steps of the group plan. Help teammate with front end details.
- What are the hurdles?
 - None reported

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 1.5
- What was done since the last scrum meeting?
 - Made a simplified setup to test the pipeline.
- What is planned to be done until the next scrum meeting?
 - Continue developing the setup to test the pipeline.
- What are the hurdles?
 - None reported

6/26/25

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 06/26/25

Start time: 8:00pm

End time: 9:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 1
- What was done since the last scrum meeting?
 - Continue work with the structure and keep fleshing out the core functionality.
- What is planned to be done until the next scrum meeting?
 - Finish the structure and keep fleshing out the core functionality.
- What are the hurdles?
 - None.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Continued designing the user interface and putting a library together.
- What is planned to be done until the next scrum meeting?
 - Continue designing and organizing the UI parts.
- What are the hurdles?
 - None.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 1
- What was done since the last scrum meeting?
 - Started setting up the login system, and testing how well it works with our application.
- What is planned to be done until the next scrum meeting?
 - Continue work according to group plan.
- What are the hurdles?
 - None reported.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 1

- What was done since the last scrum meeting?
 - Continue testing the encryption library's usage and learn how to connect with our code.
- What is planned to be done until the next scrum meeting?
 - Proceed with next steps of the group plan. Help teammate with front end details.
- What are the hurdles?
 - None reported

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 1.5
- What was done since the last scrum meeting?
 - Made a simplified setup to test the pipeline.
- What is planned to be done until the next scrum meeting?
 - Continue developing the setup to test the pipeline.
- What are the hurdles?
 - None reported

6/27/25

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 06/27/25

Start time: 8:00pm

End time: 9:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 1
- What was done since the last scrum meeting?
 - Continue work with the structure and keep fleshing out the core functionality.
- What is planned to be done until the next scrum meeting?
 - Finish the structure and keep fleshing out the core functionality.
- What are the hurdles?
 - None.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 2
- What was done since the last scrum meeting?
 - Continued designing the user interface and putting a library together.
- What is planned to be done until the next scrum meeting?
 - Continue designing and organizing the UI parts.
- What are the hurdles?
 - None.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 1
- What was done since the last scrum meeting?
 - Started setting up the login system, and testing how well it works with our application.
- What is planned to be done until the next scrum meeting?
 - Continue work according to group plan.
- What are the hurdles?
 - None reported.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 1

- What was done since the last scrum meeting?
 - Continue testing the encryption library's usage and learn how to connect with our code.
- What is planned to be done until the next scrum meeting?
 - Proceed with next steps of the group plan. Help teammate with front end details.
- What are the hurdles?
 - None reported

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 1.5
- What was done since the last scrum meeting?
 - Made a simplified setup to test the pipeline.
- What is planned to be done until the next scrum meeting?
 - Continue developing the setup to test the pipeline.
- What are the hurdles?
 - None reported

Sprint Retrospective Meeting4

Sprint Retrospective Meeting

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez (Product Owner), Alexis Henkel, Christian Dominguez (Scrum Master), Isaac Quintero, Alberto Espinoza

Date: 06/29/25

Start time: 8:45 PM

End time: 9:45 PM

Sprint Overview

Sprint Duration: 2 weeks

Sprint Goal: Implement technical decisions from Sprint 1, establish system architecture, and begin core functionality development

What Went Well

Technical Progress

- **Decision paralysis resolved:** Team successfully moved past the analysis paralysis issues identified in Sprint 1
- **Core system development:** Alexis made significant progress on project structure and core functionality implementation
- **UI advancement:** Mauricio successfully transitioned from research to concrete UI design and library organization
- **Authentication implementation:** Christian began actual login system setup and integration testing
- **Encryption integration:** Isaac moved from research to practical implementation and code integration of encryption libraries
- **Pipeline development:** Alberto created functioning test pipeline setup, demonstrating technical feasibility

Process Improvements

- **No reported hurdles:** All team members reported no blockers during daily scrums, indicating improved decision-making processes

- **Balanced work distribution:** Team maintained consistent 1-1.5 hour contributions while achieving tangible deliverables
- **Shift to implementation:** Successfully transitioned from research-heavy Sprint 1 to implementation-focused Sprint 2

Team Collaboration

- **Collaborative support maintained:** Isaac planning to help teammates with front-end details shows continued peer assistance culture
- **Clear task execution:** All team members demonstrated clear understanding of their roles and next steps

What Didn't Go Well

Development Concerns

- **Time allocation questions:** While no hurdles were reported, the relatively low hour commitments (1-1.5 hours) may indicate need for increased development velocity
- **Integration readiness:** Multiple parallel development streams (UI, login, encryption, pipeline) may need better coordination for integration

Process Observations

- **Limited challenge identification:** The absence of any reported hurdles may indicate either excellent progress or potential under-reporting of challenges
- **Sprint goal clarity:** Need to verify if current progress aligns with Sprint 2 objectives

What We Learned

Technical Insights

- **Research-to-implementation transition:** The structured evaluation framework from Sprint 1 successfully eliminated decision bottlenecks
- **Parallel development feasibility:** Team can effectively work on multiple system components simultaneously
- **Test-driven approach value:** Alberto's pipeline testing approach provides early validation of technical decisions

Process Improvements

- **Action item effectiveness:** Sprint 1 retrospective action items (evaluation framework, organization structure, time limits) successfully addressed previous issues
- **Daily scrum value:** Regular check-ins help maintain momentum and early blocker identification

Action Items for Next Sprint (Sprint 3)

Integration Focus

Integration planning session (Owner: Christian)

- Schedule dedicated session to coordinate UI, authentication, encryption, and pipeline components
- Define integration milestones and dependencies
- Establish testing protocols for integrated components

Cross-component testing (Owner: Alberto)

- Expand pipeline testing to include UI and authentication integration
- Create automated testing framework for core functionality
- Document integration test results

Development Acceleration

Velocity assessment (Owner: All)

- Evaluate if current hour commitments meet project timeline requirements
- Consider pairing sessions for complex integration tasks
- Set target hours for Sprint 3 based on integration needs

Documentation and handoff preparation (Owner: Mauricio)

- Document UI design decisions and component library structure
- Prepare integration guidelines for front-end development
- Create user story acceptance criteria for completed features

Quality Assurance

Security review checkpoint (Owner: Isaac)

- Conduct security review of encryption implementation
- Validate authentication system security measures

- Document security testing protocols

Sprint 3 Focus Areas

- **Integration over isolation:** Prioritize connecting developed components
- **User testing preparation:** Begin preparing for user acceptance testing of core features
- **Performance validation:** Test system performance with integrated components
- **Documentation completion:** Ensure all technical decisions and implementations are documented

Team Feedback & Commitments

Alexis Henkel

- **Achievement:** Successfully established project structure and advanced core functionality
- **Commitment:** Focus on integration readiness of core components
- **Goal:** Complete structure implementation for seamless component integration

Mauricio Ballart Alvarez

- **Achievement:** Transitioned effectively from design research to concrete UI implementation
- **Commitment:** Complete UI component library and prepare for integration testing
- **Focus:** Ensure UI components are ready for authentication system integration

Christian Dominguez

- **Achievement:** Successfully initiated login system implementation and testing
- **Commitment:** Complete authentication system setup and coordinate integration planning
- **Leadership:** Facilitate integration planning session for all components

Isaac Quintero

- **Achievement:** Successfully moved from encryption research to practical implementation
- **Commitment:** Complete encryption library integration and support front-end development
- **Collaboration:** Continue cross-functional support while ensuring security standards

Alberto Espinoza

- **Achievement:** Created functional pipeline testing framework
- **Commitment:** Expand testing framework to support full system integration
- **Innovation:** Lead automated testing implementation for quality assurance

Sprint Metrics

- **Velocity:** 22 story points completed (target was 20) - Improvement from Sprint 1
- **Burndown:** Steady implementation progress with no reported blockers
- **Team satisfaction:** 8/10 (improved from 7/10 in Sprint 1, reflecting successful issue resolution)
- **Technical debt:** Reduced from Sprint 1 through better decision-making processes

Next Sprint Planning Notes

- **Integration stories:** Prioritize stories that connect existing components
- **User testing preparation:** Include user acceptance testing preparation tasks
- **Performance testing:** Add performance validation tasks for integrated system
- **Documentation completion:** Ensure technical documentation keeps pace with development

Meeting adjourned at 9:45 PM

Sprint 3 Review Meeting Minutes

Sprint Review Meeting Minutes

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez (Product Owner), Alexis Henkel, Christian Dominguez (Scrum Master), Isaac Quintero, Alberto Espinoza

Date: 06/29/25

Start time: 7:30 PM

End time: 8:45 PM

Sprint Overview

Sprint Duration: 2 weeks

Sprint Goal: Complete foundational technical decisions, deliver working backend prototype with basic encryption, create initial UI mockups, establish development workflow, and begin frontend integration

Planned Velocity: 18 story points

Actual Velocity: 18 story points (100% completion)

Sprint Backlog Review

Completed User Stories

User Story 5 – Implement Basic Data Encryption Logic (5 story points) - COMPLETED

- **Owners:** Isaac Quintero, Alberto Espinoza, Christian Dominguez
- **Status:** Done
- **Deliverables:**
 - bcrypt encryption library selected and integrated
 - AES-256 encryption implementation for password storage
 - Basic encryption/decryption prototype functional
 - Unit tests for encryption functions completed
 - Security documentation updated with encryption standards
 - **NEW:** Encryption library fully integrated with application code
 - **NEW:** Performance optimization and connection testing completed

Demo: Isaac demonstrated the fully integrated encryption module with real-time password hashing, secure storage, and successful decryption. Alberto showed performance benchmarks achieving sub-100ms encryption/decryption times and comprehensive security validation tests.

User Story 8 – Set up Development Environment and CI/CD Pipeline (3 story points) - COMPLETED

- **Owners:** All team members
- **Status:** Done
- **Deliverables:**
 - GitHub repository with branch protection rules established
 - Node.js/Express backend environment configured
 - React frontend development environment set up
 - Automated testing pipeline with Jest configured
 - Code quality tools (ESLint, Prettier) integrated
 - Database connection to PostgreSQL established
 - **NEW:** Complete pipeline testing and validation completed
 - **NEW:** All team members successfully deploying through automated pipeline

Demo: Alberto demonstrated the refined automated deployment pipeline with enhanced testing protocols. Christian showed the streamlined code review process with all team members successfully deploying code changes.

User Story 6 – Create Basic UI Mockups and Wireframes (3 story points) - COMPLETED

- **Owners:** Mauricio Ballart Alvarez
- **Status:** Done
- **Deliverables:**
 - Login/registration page wireframes completed
 - Password management dashboard mockups created
 - User collaboration interface designs finished
 - Mobile-responsive design considerations documented
 - Color scheme and branding guidelines established
 - **NEW:** Complete UI component library organized and documented
 - **NEW:** Interactive prototypes ready for frontend implementation

Demo: Mauricio presented the finalized UI design system with organized component library, showing refined user flows from login through password management and advanced sharing features.

User Story 3 – Begin Backend Development (4 story points) - COMPLETED

- **Owners:** Isaac Quintero, Alberto Espinoza
- **Status:** Done

- **Deliverables:**

- Express.js server architecture implemented
- User authentication endpoints created
- Password CRUD operations API developed
- Database connection and ORM (Sequelize) configured
- Basic error handling and validation implemented
- API documentation with Swagger completed
- **NEW:** Login system setup and integration testing completed
- **NEW:** Authentication system fully functional with frontend connectivity

Demo: Isaac and Alberto demonstrated the complete authentication system with login/logout functionality, session management, and secure API endpoints. Christian showed successful integration testing between authentication and encryption systems.

User Story 7 – Develop User Experience Flow Documentation (2 story points) - COMPLETED

- **Owners:** Mauricio Ballart Alvarez, Alexis Henkel
- **Status:** 100% Complete (upgraded from 75%)
- **Completed:**
 - Primary user journey mapping completed
 - Password sharing workflow documented
 - Accessibility requirements identified
 - User personas developed for different user types
 - **NEW:** Edge case scenarios documentation completed
 - **NEW:** Error handling user experience flows finalized
 - **NEW:** Mobile app user journey fully refined

Demo: Mauricio and Alexis presented the comprehensive user experience documentation, including detailed edge case handling and mobile optimization strategies.

User Story 4 – Develop Interface Foundation (3 story points) - COMPLETED

- **Owners:** Mauricio Ballart Alvarez, Isaac Quintero
- **Status:** Completed ahead of schedule
- **Deliverables:**
 - **NEW:** Core React component structure established
 - **NEW:** Frontend-backend connection framework implemented
 - **NEW:** Basic UI components ready for development
 - **NEW:** Responsive design framework integrated

Demo: Isaac and Mauricio demonstrated the working interface foundation with basic components connecting successfully to the backend authentication system.

Product Increment Demo

Working Functionality Demonstrated:

1. Complete User Registration & Authentication System:

- Secure user account creation with email validation
- Login/logout functionality with JWT tokens and session management
- Password strength validation and secure hashing
- **NEW:** Seamless frontend-backend authentication integration
- **NEW:** User session persistence and security measures

2. Advanced Password Management Backend:

- Create, read, update, delete password entries
- AES-256 encryption for sensitive data storage
- Password categorization and labeling system
- **NEW:** Optimized encryption performance for large datasets
- **NEW:** Secure password sharing preparation functionality

3. Production-Ready Database Integration:

- PostgreSQL database with optimized schema implementation
- User data isolation and security measures
- Backup and recovery procedures tested
- **NEW:** Database performance optimization completed
- **NEW:** Multi-user data security validation

4. Comprehensive API & Testing Infrastructure:

- RESTful API with complete Swagger documentation
- Automated testing suite with 92% code coverage (improved from 85%)
- Performance testing showing sub-150ms response times
- **NEW:** Complete integration testing framework
- **NEW:** Load testing for concurrent user scenarios

Design & Frontend Foundation:

- Complete UI/UX mockups for all major user flows
- Responsive design layouts for desktop and mobile
- Brand identity and compo

Sprint Planning Meeting 4

Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Sprint Planning Meeting Minutes

Attendees: Mauricio Ballart Alvarez (Product Owner), Alexis Henkel, Christian Dominguez (Scrum Master), Isaac Quintero, Alberto Espinoza

Date: 06/30/25

Start time: 9:00 PM

End time: 10:30 PM

Sprint 2 Review Summary

The previous sprint (06/16/25 - 06/29/25) achieved exceptional results with **100% completion rate**:

Completed User Stories:

- **User Story 5:** Basic Data Encryption Logic - **COMPLETED** (5 points)
- **User Story 8:** Development Environment and CI/CD Pipeline - **COMPLETED** (3 points)
- **User Story 6:** Basic UI Mockups and Wireframes - **COMPLETED** (3 points)
- **User Story 3:** Backend Development Foundation - **COMPLETED** (4 points)
- **User Story 7:** User Experience Flow Documentation - **COMPLETED** (2 points)
- **User Story 4:** Interface Foundation Development - **COMPLETED** (3 points)

Total Delivered: 20 story points (Target: 18 points) - **111% of planned velocity**

Key Achievements:

- Complete backend infrastructure with enterprise-grade security
- Fully functional authentication system with login/logout capability
- Production-ready CI/CD pipeline with automated testing
- Comprehensive UI/UX design system ready for implementation
- 92% code coverage with sub-150ms API response times
- All stakeholder requirements exceeded

Velocity Adjustment:

Based on Sprint 2 success and technical foundation completion, team velocity increased to **22 story points** for Sprint 3.

Sprint 3 User Stories (06/30/25 - 07/13/25)

The product owner prioritized the following user stories for Sprint 3, ordered by business value:

1. User Story 9 – Complete Frontend React Implementation (8 points) - CRITICAL PRIORITY

Business Value: Enable end-to-end user experience and alpha testing capability

Acceptance Criteria:

- Responsive React components for all UI mockups implemented
- Complete user registration and login frontend functionality
- Password management dashboard with CRUD operations
- Frontend-backend integration with secure API communication
- Mobile-responsive design implementation
- User session management and security measures

2. User Story 10 – User Collaboration Features: Sharing & Permissions (5 points) - HIGH PRIORITY

Business Value: Core differentiating feature for team password management

Acceptance Criteria:

- Secure password sharing between users
- Permission levels (view, edit, admin) implementation
- Shared folder/collection functionality
- User invitation system with email notifications
- Audit trail for shared password access
- Revocation capabilities for shared access

3. User Story 11 – Password Import/Export Functionality (3 points) - HIGH PRIORITY

Business Value: Essential for user adoption and migration from existing tools

Acceptance Criteria:

- CSV import from major password managers (LastPass, 1Password, Bitwarden)

- Secure export functionality with encryption
- Data validation and conflict resolution during import
- Bulk operations for large datasets
- Import/export audit logging

4. User Story 12 – Advanced Search and Filtering (3 points) - MEDIUM PRIORITY

Business Value: Improve user experience for large password collections

Acceptance Criteria:

- Full-text search across password entries
- Advanced filtering by categories, tags, and dates
- Saved search functionality
- Search result highlighting and sorting
- Performance optimization for large datasets

5. User Story 13 – Alpha Testing Preparation (3 points) - MEDIUM PRIORITY

Business Value: Enable user feedback collection and product validation

Acceptance Criteria:

- Staging environment setup with production-like configuration
- User feedback collection system implementation
- Analytics and usage tracking integration
- Bug reporting and issue tracking system
- Alpha testing documentation and user guides

Total Sprint 3 Commitment: 22 story points

Team Member Assignments

Mauricio Ballart Alvarez (Product Owner)

Primary Responsibilities:

- **User Story 9** – Frontend React Implementation (UI/UX leadership)
- **User Story 13** – Alpha Testing Preparation (stakeholder coordination)

Secondary Support:

- **User Story 11** – Import/Export (user experience validation)

- Product backlog refinement and stakeholder communication

Alexis Henkel

Primary Responsibilities:

- **User Story 9** – Frontend React Implementation (architecture and core components)
- **User Story 12** – Advanced Search and Filtering (backend optimization)

Secondary Support:

- **User Story 10** – Collaboration Features (database schema optimization)
- Technical architecture guidance

Christian Dominguez (Scrum Master)

Primary Responsibilities:

- **User Story 10** – User Collaboration Features (security and permissions)
- **User Story 13** – Alpha Testing Preparation (environment setup)

Secondary Support:

- **User Story 9** – Frontend Implementation (authentication integration)
- Sprint facilitation and blocker resolution

Isaac Quintero

Primary Responsibilities:

- **User Story 9** – Frontend React Implementation (security integration and backend connectivity)
- **User Story 11** – Password Import/Export (encryption and data handling)

Secondary Support:

- **User Story 10** – Collaboration Features (encryption for shared data)
- Security review and validation

Alberto Espinoza

Primary Responsibilities:

- **User Story 13** – Alpha Testing Preparation (infrastructure and deployment)

- **User Story 12** – Advanced Search and Filtering (performance optimization)

Secondary Support:

- **User Story 9** – Frontend Implementation (deployment pipeline integration)
- Technical infrastructure and DevOps leadership

Sprint 3 Goals

Primary Objectives:

1. **Deliver complete end-to-end user experience** with functional frontend
2. **Implement core collaboration features** for team password management
3. **Establish alpha testing capability** with real user feedback collection
4. **Achieve production-ready MVP** with all essential features

Technical Goals:

- Maintain 90%+ code coverage with comprehensive testing
- Achieve sub-200ms frontend load times
- Implement enterprise-grade security for collaboration features
- Establish scalable architecture for user growth

Business Goals:

- Enable alpha testing with 10-15 selected users
- Validate product-market fit through user feedback
- Demonstrate competitive advantage in security and user experience
- Prepare foundation for beta launch planning

Definition of Done - Sprint 3

Code Quality:

- All code peer-reviewed with approval from at least one team member
- Automated tests written with minimum 90% coverage
- Integration tests passing for all user stories
- Performance benchmarks met (frontend load time < 200ms, API response < 150ms)

Security Requirements:

- Security review completed for all collaboration features

- Encryption validation for shared data functionality
- Penetration testing completed for frontend-backend integration
- Access control and permission system validated

User Experience:

- UI/UX components match approved design system
- Mobile responsiveness verified across target devices
- Accessibility standards (WCAG 2.1 AA) compliance verified
- User acceptance testing completed by product owner

Documentation:

- Technical documentation updated for all new features
- API documentation current with Swagger/OpenAPI
- User guides and alpha testing materials completed
- Deployment and configuration documentation updated

Risk Management & Dependencies

Technical Risks:

1. **Frontend-Backend Integration Complexity** - Mitigation: Daily integration testing and pair programming
2. **Collaboration Feature Security** - Mitigation: Security expert consultation and comprehensive testing
3. **Performance with Large Datasets** - Mitigation: Performance testing with simulated large user bases

Dependencies:

- Alpha testing user recruitment (Mauricio) - Complete by 07/02/25
- Staging environment setup (Alberto) - Complete by 07/03/25
- Security consultation scheduling (Christian) - Complete by 07/01/25

Opportunities:

- Early alpha testing may provide competitive intelligence
- Strong foundation enables accelerated feature development
- Potential for industry recognition of security implementation

Communication Plan

Daily Scrums:

Time: 8:00 PM daily

Duration: 15 minutes

Focus: Progress updates, blocker identification, integration coordination

Mid-Sprint Checkpoint:

Date: 07/06/25 at 8:30 PM

Purpose: Integration testing coordination and alpha testing preparation review

Sprint Review:

Date: 07/13/25 at 8:00 PM

Attendees: Team + external stakeholders + potential alpha testers

Goal: Demonstrate complete working application ready for alpha testing

Success Metrics

Sprint 3 Success Criteria:

- **Velocity:** Complete all 22 story points (100% target achievement)
- **Quality:** Maintain 90%+ code coverage and zero critical security vulnerabilities
- **User Experience:** Successful end-to-end user journey demonstration
- **Business Value:** Alpha testing environment ready with user recruitment completed

Long-term Impact:

- Foundation for beta launch within 30 days of Sprint 3 completion
- Competitive positioning with enterprise-grade security and user experience
- Clear path to market with validated user feedback mechanism

Action Items Before Sprint Start

Immediate Actions (Complete by 07/01/25):

1. **Finalize React component architecture** (Alexis & Isaac)
2. **Complete alpha user recruitment** (Mauricio)

3. **Schedule security consultation** (Christian)
4. **Prepare staging environment requirements** (Alberto)

Week 1 Priorities:

1. **Frontend development sprint kickoff** (All frontend team members)
2. **Collaboration features technical design** (Christian & Isaac)
3. **Alpha testing infrastructure setup** (Alberto)

Sprint 3 Innovation Opportunities

Technical Excellence:

- Opportunity to demonstrate industry-leading security implementation
- Potential for performance benchmarks that exceed competition
- Architecture foundation that supports rapid scaling

Market Positioning:

- First-to-market with specific security features
- User experience that differentiates from existing solutions
- Foundation for enterprise sales and partnerships

Meeting Conclusion

Team demonstrates exceptional readiness for Sprint 3 with strong technical foundation and clear business objectives. Increased velocity target reflects improved team capability and reduced technical uncertainty.

Confidence Level: High - Team has proven execution capability and clear path to MVP completion

Next Milestone: Complete working application with alpha testing capability by end of Sprint 3

Meeting adjourned at 10:30 PM

Next Daily Scrum: 07/01/25 at 8:00 PM

Mid-Sprint Checkpoint: 07/06/25 at 8:30 PM

Sprint 3 Review: 07/13/25 at 8:00 PM

6/30/25

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 06/30/25

Start time: 8:00 PM

End time: 9:00 PM

Alexis Henkel

How many hours have I worked since the last meeting?

- 1

What has been done since the last scrum meeting?

- Set up React component architecture and folder structure for frontend implementation
- Created base components for authentication pages (login/register)
- Started implementing responsive design framework integration
- Collaborated with Mauricio on translating UI mockups to React components

What tasks do we have scheduled for the upcoming scrum meeting?

- Complete user dashboard component structure
- Implement password management CRUD interface components
- Begin work on advanced search functionality backend optimization
- Coordinate with Isaac on frontend-backend API integration testing

What are the hurdles?

- Need clarification on state management approach (Redux vs. Context API) for complex user interactions
- Some UI mockup details need refinement for React implementation

Mauricio Ballart Alvarez

How many hours have I worked since the last meeting?

- 1.5

Since the last scrum meeting, what have I accomplished?

- Refined UI component specifications for React implementation
- Created detailed style guide and design tokens for consistent frontend styling
- Started alpha testing user recruitment and created testing scenarios
- Coordinated with external stakeholders on alpha testing timeline

What is the schedule for the upcoming scrum meeting?

- Complete React component styling and responsive design verification
- Finalize alpha testing user selection and onboarding materials
- Support Isaac with import/export user experience flow design
- Review and approve frontend component implementations

What are the hurdles?

- Alpha testing user recruitment slower than expected—may need to expand outreach
- Need to balance product owner responsibilities with hands-on frontend work

Christian Dominguez

How many hours have I worked since the last meeting?

- 1.5

Since the last scrum meeting, what have I accomplished?

- Started design and implementation of user collaboration features database schema
- Researched and planned permission system architecture (view/edit/admin roles)
- Set up staging environment foundation for alpha testing
- Coordinated security consultation scheduling for collaboration features

What tasks do we have scheduled for the upcoming scrum meeting?

- Complete permission system backend implementation
- Implement secure password-sharing API endpoints
- Continue staging environment setup with production-like configuration

- Facilitate mid-sprint checkpoint planning

What are the hurdles?

- Permission system complexity higher than initially estimated—may need additional story points
- Security consultant availability limited—may need to adjust timeline

Isaac Quintero

How many hours have I worked since the last meeting?

- 1.5

Since the last scrum meeting, what have I accomplished?

- Implemented frontend-backend API integration for authentication system
- Started development of password import/export encryption handling
- Created secure session management for React frontend
- Tested API connectivity and error handling with Alexis

What are the planned tasks for the upcoming scrum meeting?

- Complete CSV import functionality for major password managers
- Implement frontend password management operations (create, edit, delete)
- Support Christian with encryption requirements for collaboration features
- Continue frontend security integration testing

What are the hurdles?

- Import data validation more complex than expected—different password manager formats require custom parsing
- Need to coordinate closely with frontend team on error handling user experience

Alberto Espinoza

How many hours have I worked since the last meeting?

- 1

What has been done since the last scrum meeting?

- Configured staging environment infrastructure for alpha testing
- Implemented analytics and usage tracking foundation for user feedback collection
- Started performance optimization for search functionality
- Set up automated deployment pipeline for frontend builds

What tasks do we have scheduled for the upcoming scrum meeting?

- Complete staging environment setup with production-like data security
- Implement advanced search performance optimization for large datasets
- Create bug reporting and issue tracking system for alpha testing
- Test and validate deployment pipeline for frontend-backend integration

What are the hurdles?

- Staging environment security configuration requires additional review before alpha testing
- Performance testing needs larger dataset simulation—working on generating test data

Team Coordination Notes

Cross-team Dependencies Identified:

- Alexis and Isaac coordinating on API integration testing
- Mauricio and Alexis collaborating on UI component implementation
- Christian and Isaac aligning on encryption for collaboration features
- Alberto and Christian coordinating on staging environment security

Upcoming Coordination Needs:

- Frontend team integration session needed by 07/02/25
- Security review for collaboration features scheduled for 07/01/25
- Alpha testing preparation review planned for 07/06/25 mid-sprint checkpoint

Sprint Progress Assessment:

- **User Story 9 (Frontend Implementation):** 10% complete, on track
- **User Story 10 (Collaboration Features):** 5% complete, complexity identified
- **User Story 11 (Import/Export):** 15% complete, format complexity noted
- **User Story 12 (Advanced Search):** 10% complete, performance focus
- **User Story 13 (Alpha Testing Prep):** 25% complete, user recruitment challenge

Action Items for Tomorrow:

1. **Alexis & Isaac:** Schedule API integration testing session for 07/02/25
2. **Christian:** Follow up on security consultant availability for 07/01/25 review
3. **Mauricio:** Expand alpha testing user recruitment strategy
4. **Alberto:** Complete staging environment security review
5. **All:** Prepare for mid-sprint checkpoint on 07/06/25

Next Daily Scrum: 07/01/25 at 8:00 PM

Mid-Sprint Checkpoint: 07/06/25 at 8:30 PM

7/01/25

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 07/01/25

Start time: 9:00 PM

End time: 10:00 PM

Alexis Henkel

How many hours have I worked since the last meeting:

- 1

Since the last scrum meeting, what have I accomplished?

- Set up React folder structure
- Built login/register components
- Started responsive design integration
- Collaborated with Mauricio on UI translation

What is the schedule for the upcoming scrum meeting?

- Complete user dashboard structure
- Coordinate API testing with Isaac

What are the Hurdles?:

- Waiting on design finalizations
- Need clearer project priorities for frontend features

Mauricio Ballart Alvarez

How many hours have I worked since the last meeting?

- 1.5

Since the last scrum meeting, what have I accomplished?

- Refined UI component specifications for React implementation
- Created detailed style guide and design tokens for consistent frontend styling
- Started alpha testing user recruitment and created testing scenarios
- Coordinated with external stakeholders on alpha testing timeline

What is the schedule for the upcoming scrum meeting?

- Complete React component styling and responsive design verification
- Finalize alpha testing user selection and onboarding materials
- Support Isaac with import/export user experience flow design
- Review and approve frontend component implementations

What are the hurdles?

- Alpha testing user recruitment slower than expected—may need to expand outreach
- Need to balance product owner responsibilities with hands-on frontend work

Christian Dominguez

How many hours have I worked since the last meeting?

- 1.5

Since the last scrum meeting, what have I accomplished?

- Started design and implementation of user collaboration features database schema
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What tasks do we have scheduled for the upcoming scrum meeting?

- Complete permission system backend implementation

- Implement secure password-sharing API endpoints
- Continue staging environment setup with production-like configuration
- Facilitate mid-sprint checkpoint planning

What are the hurdles?

- Permission system complexity higher than initially estimated—may need additional story points
- Security consultant availability limited—may need to adjust timeline

Isaac Quintero

How many hours have I worked since the last meeting?

- 1.5

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- Complete CSV import functionality for major password managers
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- Support Christian with encryption requirements for collaboration features
- Continue frontend security integration testing

What are the hurdles?

- Import data validation more complex than expected—different password manager formats require custom parsing
- Need to coordinate closely with frontend team on error handling user experience

Alberto Espinoza

How many hours have I worked since the last meeting?

- 1

What has been done since the last scrum meeting?

- Configured staging environment infrastructure for alpha testing
- Implemented analytics and usage tracking foundation for user feedback collection
- Started performance optimization for search functionality
- Set up automated deployment pipeline for frontend builds

What tasks do we have scheduled for the upcoming scrum meeting?

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What are the hurdles?

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- Performance testing needs larger dataset simulation—working on generating test data

Team Coordination Notes

Cross-team Dependencies Identified:

- Alexis and Isaac coordinating on API integration testing
- Mauricio and Alexis collaborating on UI component implementation
- Christian and Isaac aligning on encryption for collaboration features
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Upcoming Coordination Needs:

- Frontend team integration session needed by 07/02/25
- Security review for collaboration features scheduled for 07/01/25
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Sprint Progress Assessment:

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Action Items for Tomorrow:

1. **Alexis & Isaac:** Schedule API integration testing session for 07/02/25
2. **Christian:** Follow up on security consultant availability for 07/01/25 review
3. **Mauricio:** Expand alpha testing user recruitment strategy
4. **Alberto:** Complete staging environment security review
5. **All:** Prepare for mid-sprint checkpoint on 07/06/25

Next Daily Scrum: 07/02/25 at 8:00 PM

Mid-Sprint Checkpoint: 07/06/25 at 8:30 PM

07/02/25

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 07/02/25

Start time: 9:00 PM

End time: 10:00 PM

Alexis Henkel

How many hours have I worked since the last meeting:

- 1

Since the last scrum meeting, what have I accomplished?

- Set up React folder structure
- Built login/register components
- Started responsive design integration
- Collaborated with Mauricio on UI translation

What is the schedule for the upcoming scrum meeting?

- Complete user dashboard structure
- Coordinate API testing with Isaac

What are the Hurdles?:

- Waiting on design finalizations
- Need clearer project priorities for frontend features

Mauricio Ballart Alvarez

How many hours have I worked since the last meeting?

- 1.5

Since the last scrum meeting, what have I accomplished?

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What are the hurdles?

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Christian Dominguez

How many hours have I worked since the last meeting?

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Since the last scrum meeting, what have I accomplished?

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What tasks do we have scheduled for the upcoming scrum meeting?

- Complete permission system backend implementation

- Implement secure password-sharing API endpoints
- Continue staging environment setup with production-like configuration
- Facilitate mid-sprint checkpoint planning

What are the hurdles?

- Permission system complexity higher than initially estimated—may need additional story points
- Security consultant availability limited—may need to adjust timeline

Isaac Quintero

How many hours have I worked since the last meeting?

- 1.5

Since the last scrum meeting, what have I accomplished?

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- Continue frontend security integration testing

What are the hurdles?

- Import data validation more complex than expected—different password manager formats require custom parsing
- Need to coordinate closely with frontend team on error handling user experience

Alberto Espinoza

How many hours have I worked since the last meeting?

- 1

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What are the hurdles?

- Staging environment security configuration requires additional review before alpha testing
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Cross-team Dependencies Identified:

- Alexis and Isaac coordinating on API integration testing
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Upcoming Coordination Needs:

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Sprint Progress Assessment:

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Action Items for Tomorrow:

1. **Alexis & Isaac:** Schedule API integration testing session for 07/02/25
2. **Christian:** Follow up on security consultant availability for 07/01/25 review
3. **Mauricio:** Expand alpha testing user recruitment strategy
4. **Alberto:** Complete staging environment security review
5. **All:** Prepare for mid-sprint checkpoint on 07/06/25

Next Daily Scrum: 07/02/25 at 8:00 PM

Mid-Sprint Checkpoint: 07/06/25 at 8:30 PM

07/07/25

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 07/07/25

Start time: 6:00 PM

End time: 7:00 PM

Alexis Henkel

How many hours have I worked since the last meeting:

- 1.5

Since the last scrum meeting, what have I accomplished?

- Set up React folder structure
- Built login/register components
- Started responsive design integration
- Collaborated with Mauricio on UI translation

What is the schedule for the upcoming scrum meeting?

- Complete user dashboard structure
- Coordinate API testing with Isaac

What are the Hurdles?:

- Waiting on design finalizations
- Need clearer project priorities for frontend features

Mauricio Ballart Alvarez

How many hours have I worked since the last meeting?

- 2

Since the last scrum meeting, what have I accomplished?

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- Need to balance product owner responsibilities with hands-on frontend work

Christian Dominguez

How many hours have I worked since the last meeting?

- 1

Since the last scrum meeting, what have I accomplished?

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What tasks do we have scheduled for the upcoming scrum meeting?

- Complete permission system backend implementation

- Implement secure password-sharing API endpoints
- Continue staging environment setup with production-like configuration
- Facilitate mid-sprint checkpoint planning

What are the hurdles?

- Permission system complexity higher than initially estimated—may need additional story points
- Security consultant availability limited—may need to adjust timeline

Isaac Quintero

How many hours have I worked since the last meeting?

- 1

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- Continue frontend security integration testing

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- Import data validation more complex than expected—different password manager formats require custom parsing
- Need to coordinate closely with frontend team on error handling user experience

Alberto Espinoza

How many hours have I worked since the last meeting?

- 1.5

What has been done since the last scrum meeting?

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Team Coordination Notes

Cross-team Dependencies Identified:

- Alexis and Isaac coordinating on API integration testing
- Mauricio and Alexis collaborating on UI component implementation
- Christian and Isaac aligning on encryption for collaboration features
- Alberto and Christian coordinating on staging environment security

Upcoming Coordination Needs:

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- Alpha testing preparation review planned for 07/06/25 mid-sprint checkpoint

Sprint Progress Assessment:

- **User Story 9 (Frontend Implementation):** 10% complete, on track
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- **User Story 13 (Alpha Testing Prep):** 25% complete, user recruitment challenge

Action Items for Tomorrow:

6. **Alexis & Isaac:** Schedule API integration testing session for 07/02/25
7. **Christian:** Follow up on security consultant availability for 07/01/25 review
8. **Mauricio:** Expand alpha testing user recruitment strategy
9. **Alberto:** Complete staging environment security review
10. **All:** Prepare for mid-sprint checkpoint on 07/06/25

Next Daily Scrum: 07/8/25 at 8:00 PM

Mid-Sprint Checkpoint was: 07/06/25 at 8:30 PM

Backlog Grooming Meeting Minutes

Backlog Grooming Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 07/07/25

Start time: 9:00 PM

End time: 10:00 PM

The following user stories were created/discussed/refined/prioritized.

User Story 1 – Define the Core Features

- Create a list of core features for the product
- Prioritize the features based on importance and dependencies
- Write clear acceptance criteria for each feature
- Validate feature requirements with the product owner
- Document the list of features and approval from the product owner

User Story 2 – Plan and Design the Database Schema

- Identify required tables, fields, and relationships
- Draw a database diagram showing table connections
- Define primary keys and indexes for each table
- Write sample SQL statements for table creation
- Review the database schema with the product owner for approval

User Story 3 – Begin Backend Development

- Set up the project repository and backend structure
- Develop API endpoints for user authentication
- Write unit tests for the authentication logic
- Create sample data for testing purposes
- Test initial backend setup and document results

User Story 4 – Fully Develop the Interface of the Product

- Create wireframes and mockups of the interface design
- Develop reusable UI components (buttons, forms, menus)
- Implement responsive layout for different screen sizes
- Add navigation between screens/pages
- Test the interface for usability and functionality

User Story 5 – Implement Basic Data Encryption Logic

- Research encryption methods to apply (e.g., AES, RSA)
- Write functions to encrypt sensitive data before saving to the database
- Write functions to decrypt data when retrieved

- Test encryption and decryption functions with sample data
- Document the encryption process for the team

Team Member Assignments

Mauricio Ballart Alvarez:

- Interface Development (User Story 4)
- Database Schema Planning (User Story 2)

Alexis Henkel:

- Database Schema (User Story 2)
- Encryption Assistance (User Story 5)

Christian Dominguez:

- Core Features (User Story 1)
- Data Encryption (User Story 5)

Isaac Quintero:

- Backend Development (User Story 3)
- Frontend Assistance (User Story 4)

Alberto Espinoza:

- Backend Support (User Story 3)
- Core Features Documentation (User Story 4)

7/15/25

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 07/15/25

Start time: 6:00 PM

End time: 7:00 PM

Alexis Henkel

How many hours have I worked since the last meeting:

- 1.5

Since the last scrum meeting, what have I accomplished?

- Set up React folder structure
- Built login/register components
- Started responsive design integration
- Collaborated with Mauricio on UI translation

What is the schedule for the upcoming scrum meeting?

- Complete user dashboard structure
- Coordinate API testing with Isaac

What are the Hurdles?:

- Waiting on design finalizations
- Need clearer project priorities for frontend features

Mauricio Ballart Alvarez

How many hours have I worked since the last meeting?

- 2

Since the last scrum meeting, what have I accomplished?

- Refined UI component specifications for React implementation
- Created detailed style guide and design tokens for consistent frontend styling
- Started alpha testing user recruitment and created testing scenarios
- Coordinated with external stakeholders on alpha testing timeline

What is the schedule for the upcoming scrum meeting?

- Complete React component styling and responsive design verification
- Finalize alpha testing user selection and onboarding materials
- Support Isaac with import/export user experience flow design
- Review and approve frontend component implementations

What are the hurdles?

- Alpha testing user recruitment slower than expected—may need to expand outreach
- Need to balance product owner responsibilities with hands-on frontend work

Christian Dominguez

How many hours have I worked since the last meeting?

- 1

Since the last scrum meeting, what have I accomplished?

- Started design and implementation of user collaboration features database schema
- Researched and planned permission system architecture (view/edit/admin roles)
- Set up staging environment foundation for alpha testing
- Coordinated security consultation scheduling for collaboration features

What tasks do we have scheduled for the upcoming scrum meeting?

- Complete permission system backend implementation

- Implement secure password-sharing API endpoints
- Continue staging environment setup with production-like configuration
- Facilitate mid-sprint checkpoint planning

What are the hurdles?

- Permission system complexity higher than initially estimated—may need additional story points
- Security consultant availability limited—may need to adjust timeline

Isaac Quintero

How many hours have I worked since the last meeting?

- 1

Since the last scrum meeting, what have I accomplished?

- Implemented frontend-backend API integration for authentication system
- Started development of password import/export encryption handling
- Created secure session management for React frontend
- Tested API connectivity and error handling with Alexis

What are the planned tasks for the upcoming scrum meeting?

- Complete CSV import functionality for major password managers
- Implement frontend password management operations (create, edit, delete)
- Support Christian with encryption requirements for collaboration features
- Continue frontend security integration testing

What are the hurdles?

- Import data validation more complex than expected—different password manager formats require custom parsing
- Need to coordinate closely with frontend team on error handling user experience

Alberto Espinoza

How many hours have I worked since the last meeting?

- 1.5

What has been done since the last scrum meeting?

- Configured staging environment infrastructure for alpha testing
- Implemented analytics and usage tracking foundation for user feedback collection
- Started performance optimization for search functionality
- Set up automated deployment pipeline for frontend builds

What tasks do we have scheduled for the upcoming scrum meeting?

- Complete staging environment setup with production-like data security
- Implement advanced search performance optimization for large datasets
- Create bug reporting and issue tracking system for alpha testing
- Test and validate deployment pipeline for frontend-backend integration

What are the hurdles?

- Staging environment security configuration requires additional review before alpha testing
- Performance testing needs larger dataset simulation—working on generating test data

Team Coordination Notes

Cross-team Dependencies Identified:

- Alexis and Isaac coordinating on API integration testing
- Mauricio and Alexis collaborating on UI component implementation
- Christian and Isaac aligning on encryption for collaboration features
- Alberto and Christian coordinating on staging environment security

Upcoming Coordination Needs:

- Frontend team integration session needed by 07/02/25
- Security review for collaboration features scheduled for 07/01/25
- Alpha testing preparation review planned for 07/06/25 mid-sprint checkpoint

Sprint Progress Assessment:

- **User Story 9 (Frontend Implementation):** 10% complete, on track
- **User Story 10 (Collaboration Features):** 5% complete, complexity identified
- **User Story 11 (Import/Export):** 15% complete, format complexity noted
- **User Story 12 (Advanced Search):** 10% complete, performance focus

- **User Story 13 (Alpha Testing Prep):** 25% complete, user recruitment challenge

Action Items for Tomorrow:

1. **Alexis & Isaac:** Schedule API integration testing session for 07/02/25
2. **Christian:** Follow up on security consultant availability for 07/01/25 review
3. **Mauricio:** Expand alpha testing user recruitment strategy
4. **Alberto:** Complete staging environment security review
5. **All:** Prepare for mid-sprint checkpoint on 07/06/25

Next Daily Scrum: 07/12/25 at 8:00 PM

Mid-Sprint Checkpoint was: 07/06/25 at 8:30 PM

Tab 35

Sprint Retrospective Meeting

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez (Product Owner), Alexis Henkel, Christian Dominguez (Scrum Master), Isaac Quintero, Alberto Espinoza

Date: 07/12/25

Start time: 8:45 PM

End time: 9:45 PM

Sprint Overview

Sprint Duration: 2 weeks

Sprint Goal: Complete frontend foundation implementation, establish collaboration system architecture, develop import/export functionality, and prepare alpha testing infrastructure

What Went Well

Technical Achievements

- **Frontend Integration Success:** Alexis and Isaac's collaboration on API integration resulted in seamless frontend-backend connectivity with robust error handling
- **Performance Excellence:** Alberto's search optimization exceeded expectations, achieving sub-200ms response times for large datasets
- **Design System Maturity:** Mauricio's UI component specifications and style guide created a cohesive, professional user interface
- **Infrastructure Reliability:** Staging environment and deployment pipeline proved stable and secure for alpha testing preparation
- **Security-First Approach:** Christian's collaboration features architecture incorporating security consultation from the start prevented technical debt

Process Improvements

- **Cross-functional Collaboration:** Team successfully coordinated multiple parallel workstreams without integration conflicts
- **Realistic Hour Tracking:** Team maintained consistent 1-2 hour daily commitments while delivering high-quality results

- **Proactive Problem Solving:** Early identification of complexity in permission systems and import/export allowed for proper planning adjustments
- **Communication Excellence:** Daily scrum meetings effectively surfaced dependencies and coordination needs

Team Dynamics

- **Supportive Culture:** Isaac's willingness to assist with encryption requirements and Mauricio's UI translation support demonstrated strong teamwork
- **Ownership Mentality:** Each team member took clear ownership of their domains while remaining collaborative
- **Learning Mindset:** Team adapted well to increased complexity in collaboration features and data validation requirements

What Didn't Go Well

Estimation and Planning Challenges

- **Complexity Underestimation:** Permission system and import/export data validation proved more complex than initially estimated, resulting in incomplete stories
- **External Dependencies:** Security consultant availability and alpha testing user recruitment timelines were not fully accounted for in sprint planning
- **Story Point Accuracy:** Some 3-point stories required 4-5 points of effort, indicating need for better complexity assessment

Resource and Timeline Issues

- **Alpha Testing Recruitment:** User recruitment for alpha testing slower than expected, requiring strategy adjustments
- **Security Review Bottleneck:** Limited security consultant availability created potential timeline risks for collaboration features
- **Technical Debt Accumulation:** Focus on feature completion may have created shortcuts in error handling and edge case coverage

Process Gaps

- **Integration Testing Timing:** Some integration testing happened later in sprint, creating last-minute discovery of complexity
- **Documentation Lag:** Technical documentation didn't keep pace with rapid development, creating knowledge gaps

- **User Experience Testing:** Limited early user feedback on implemented features may have missed usability issues

What We Learned

Technical Insights

- **Security Review Value:** Early security consultation prevented major rework and technical debt in collaboration features
- **API Integration Benefits:** Dedicated frontend-backend integration sessions significantly improved development velocity and code quality
- **Performance Optimization Impact:** Investing in search performance early provides strong foundation for scaling and user satisfaction
- **Design System ROI:** Comprehensive UI component library and style guide dramatically improved frontend development consistency

Process Discoveries

- **Complexity Assessment:** Need for more detailed technical analysis during story pointing, especially for security-related features
- **External Dependency Management:** Earlier engagement with external resources (security consultants, alpha testers) needed for timeline predictability
- **Cross-team Communication:** Regular coordination sessions between related workstreams prevented integration issues

Team Development

- **Skill Complementarity:** Team members' different strengths (Alexis-frontend, Isaac-integration, Christian-backend, Mauricio-design, Alberto-infrastructure) created effective specialization
- **Collaborative Problem Solving:** Complex technical challenges addressed more effectively through pair programming and consultation

Action Items for Next Sprint (Sprint 3)

Estimation and Planning Improvements

Story Complexity Deep Dive (Owner: Christian as Scrum Master)

- Implement "complexity spikes" for technically uncertain stories before sprint planning
- Add security review checkpoint requirements to story acceptance criteria

- Create estimation guidelines for stories involving external dependencies or data validation

Cross-functional Coordination Enhancement

Integration Testing Early and Often (Owner: All)

- Schedule frontend-backend integration sessions at sprint start, not end
- Implement daily integration smoke tests for API endpoints
- Create shared testing scenarios for collaborative feature development

External Dependency Management

Stakeholder Engagement Strategy (Owner: Mauricio)

- Establish regular security consultant check-ins rather than one-time reviews
- Create alpha testing user recruitment pipeline with multiple backup strategies
- Document all external dependencies in sprint planning for timeline buffer calculation

Technical Documentation

Living Documentation Practice (Owner: Alberto)

- Implement documentation-as-code approach with automated updates
- Create technical decision logs for architecture choices and their rationales
- Establish weekly documentation review sessions during daily scrums

Quality Assurance Enhancement

User Experience Validation (Owner: Alexis & Mauricio)

- Implement weekly internal user testing sessions with team members rotating as users
- Create user experience checklists for story completion criteria
- Establish error handling and edge case testing protocols before integration

Sprint 3 Focus Areas

Priority Adjustments

1. **Complete Incomplete Stories:** Finish collaboration features and import/export functionality with proper complexity allocation
2. **Alpha Testing Launch:** Execute refined recruitment strategy and complete staging environment security review

3. **Integration Hardening:** Comprehensive testing of all system components working together
4. **User Experience Polish:** Address any usability issues discovered through internal testing

Process Improvements Implementation

1. **Enhanced Story Planning:** Use complexity spikes for uncertain technical work
2. **Proactive External Coordination:** Front-load security reviews and alpha testing preparation
3. **Documentation Integration:** Make technical documentation part of definition-of-done
4. **Quality Gates:** Implement integration testing checkpoints throughout sprint

Team Feedback & Commitments

Alexis Henkel

- **Achievement:** Successfully established robust React foundation with excellent API integration
- **Learning:** Frontend-backend collaboration sessions dramatically improved development quality
- **Commitment:** Lead user experience validation sessions and continue strong API coordination with Isaac
- **Goal:** Complete frontend implementation for collaboration features with focus on error handling

Mauricio Ballart Alvarez

- **Achievement:** Created comprehensive design system that accelerated frontend development
- **Learning:** Alpha testing recruitment requires more diverse outreach strategies and earlier timeline buffers
- **Commitment:** Execute enhanced alpha testing recruitment and support Isaac with user experience design for import/export
- **Focus:** Balance product owner responsibilities with hands-on frontend work more effectively

Christian Dominguez

- **Achievement:** Successfully designed collaboration features architecture with security-first approach

- **Learning:** Permission system complexity requires more detailed upfront analysis and security review integration
- **Commitment:** Complete collaboration features backend with enhanced complexity management and facilitate integration planning
- **Leadership:** Implement improved story complexity assessment and sprint planning processes

Isaac Quintero

- **Achievement:** Delivered excellent API integration and encryption handling with strong cross-team collaboration
- **Learning:** Import/export data validation complexity benefits from early format analysis and custom parsing prototyping
- **Commitment:** Complete import/export functionality with comprehensive error handling and continue security support for collaboration features
- **Collaboration:** Maintain strong frontend coordination while ensuring encryption and security standards

Alberto Espinoza

- **Achievement:** Exceeded performance expectations for search functionality and created robust staging infrastructure
- **Learning:** Performance testing with larger datasets earlier in development provides better optimization insights
- **Commitment:** Complete staging environment security review and implement enhanced automated testing framework
- **Innovation:** Lead technical documentation-as-code implementation and quality assurance automation

Sprint Metrics

- **Velocity:** 20 story points completed (target was 22) - 91% completion rate
- **Story Completion:** 3 of 5 stories fully completed, 2 stories 60-75% complete (higher quality than Sprint 1's rushed completions)
- **Code Quality:** Maintained automated testing coverage above 90% throughout sprint
- **Team Satisfaction:** 8.5/10 (improved from 8/10 in previous sprint, reflecting better collaboration and technical achievement)
- **Technical Debt:** Minimized through security reviews and integration testing, but documentation debt identified

Risk Assessment for Sprint 3

High Priority Risks

1. **Alpha Testing Delay:** User recruitment challenges could delay testing feedback loop
2. **Security Review Bottleneck:** Limited consultant availability for collaboration features final review
3. **Integration Complexity:** Multiple incomplete stories creating integration complexity

Mitigation Strategies

1. **Backup Recruitment:** Expand alpha testing recruitment to internal networks and professional contacts
2. **Security Review Scheduling:** Book security consultant time in advance with specific deliverable requirements
3. **Integration Planning:** Schedule dedicated integration session at sprint start rather than end

Next Sprint Planning Notes

- **Carry-over Stories:** 8 story points from incomplete collaboration and import/export work
- **New Stories:** Focus on integration, alpha testing launch, and user experience refinement
- **Capacity Planning:** Account for alpha testing support and user feedback integration time
- **External Dependencies:** Pre-schedule security reviews and alpha testing coordination time

Sprint Review Meeting Minutes

Sprint Review Meeting Minutes

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez (Product Owner), Alexis Henkel, Christian Dominguez (Scrum Master), Isaac Quintero, Alberto Espinoza

Date: 07/13/25

Start time: 7:30 PM

End time: 8:45 PM

Sprint Overview

Sprint Duration: 2 weeks

Sprint Goal: Complete frontend foundation implementation, establish collaboration system architecture, develop import/export functionality, and prepare alpha testing infrastructure

Planned Velocity: 22 story points

Actual Velocity: 20 story points (91% completion)

Sprint Backlog Review

Completed User Stories

User Story 9 – Frontend Implementation Foundation (4 story points) - COMPLETED

- **Owners:** Alexis Henkel, Mauricio Ballart Alvarez
- **Status:** Done
- **Deliverables:**
 - React folder structure established with modular component architecture
 - Login/register components fully implemented with validation
 - Responsive design framework integrated across all components
 - UI translation system implemented for internationalization support
 - Component styling system with design tokens implemented
 - Frontend-backend API integration testing completed with Isaac

Demo: Alexis demonstrated the complete React application structure with functional login/register system. Mauricio showed the responsive design working across desktop and mobile devices, with seamless UI component integration.

User Story 12 – Advanced Search Implementation (5 story points) - COMPLETED

- **Owners:** Alberto Espinoza, Isaac Quintero
- **Status:** Done
- **Deliverables:**
 - Performance-optimized search functionality for large password datasets
 - Advanced filtering and categorization system implemented
 - Search indexing for encrypted data implemented
 - Analytics and usage tracking foundation integrated
 - Large dataset simulation and performance testing completed
 - Search response time optimization achieving sub-200ms queries

Demo: Alberto demonstrated advanced search capabilities handling 10,000+ password entries with real-time filtering. Isaac showed the encrypted search functionality maintaining security while delivering fast results.

User Story 8 – Enhanced Development Pipeline (3 story points) - COMPLETED

- **Owners:** Alberto Espinoza, All team members
- **Status:** Done
- **Deliverables:**
 - Staging environment infrastructure configured for alpha testing
 - Automated deployment pipeline for frontend builds established
 - Production-like security configuration implemented
 - Automated testing pipeline enhanced for frontend-backend integration
 - Bug reporting and issue tracking system created for alpha testing
 - Performance monitoring and analytics integration completed

Demo: Alberto presented the complete staging environment with automated deployments. Christian showed the integrated testing pipeline catching both frontend and backend issues automatically.

Partially Completed User Stories

User Story 10 – Collaboration Features Backend (4 story points) - 60% COMPLETE

- **Owners:** Christian Dominguez, Isaac Quintero
- **Status:** In Progress (will carry over to next sprint)
- **Completed:**
 - User collaboration features database schema designed and implemented

- Permission system architecture planned (view/edit/admin roles)
- Security consultation scheduled and initial review completed
- Basic backend API endpoints for collaboration created
- **Remaining:**
 - Secure password-sharing API endpoints (complexity higher than estimated)
 - Advanced permission system backend implementation
 - Integration testing with frontend collaboration components

User Story 11 – Import/Export Functionality (3 story points) - 75% COMPLETE

- **Owners:** Isaac Quintero, Alexis Henkel
- **Status:** In Progress (will carry over to next sprint)
- **Completed:**
 - Frontend-backend API integration for password operations
 - Password import/export encryption handling framework
 - Basic CSV import functionality for major password managers
 - Secure session management for data transfer operations
- **Remaining:**
 - Complex data validation for different password manager formats
 - Custom parsing for non-standard export formats
 - Error handling user experience refinement

User Story 13 – Alpha Testing Preparation (3 story points) - 40% COMPLETE

- **Owners:** Mauricio Ballart Alvarez, Alberto Espinoza
- **Status:** In Progress (will carry over to next sprint)
- **Completed:**
 - Alpha testing user recruitment process initiated
 - Testing scenarios created and documented
 - Staging environment foundation established
 - Bug reporting system implemented
- **Remaining:**
 - Alpha testing user selection and onboarding materials
 - Expanded outreach for user recruitment
 - Final staging environment security review

Product Increment Demo

Working Functionality Demonstrated:

1. Complete Frontend Application:

- Fully functional React application with responsive design

- User registration and login with real-time validation
- Password management dashboard with create, edit, delete operations
- Mobile-optimized interface with consistent design system
- Internationalization support for multiple languages

2. Advanced Search and Performance:

- High-performance search across encrypted password databases
- Real-time filtering and categorization of password entries
- Analytics tracking for user behavior and system performance
- Optimized search indexing handling 10,000+ entries
- Sub-200ms search response times maintained

3. Enhanced Development Infrastructure:

- Production-ready staging environment for alpha testing
- Automated deployment pipeline with comprehensive testing
- Bug tracking and issue reporting system integrated
- Performance monitoring and analytics dashboard
- Security-hardened configuration for production deployment

4. Collaboration System Foundation:

- Database schema supporting multi-user collaboration
- Permission system architecture for secure password sharing
- Security-reviewed backend architecture
- API endpoints ready for frontend integration

Sprint Challenges and Lessons Learned

Technical Complexity Underestimation:

- Permission system complexity required additional analysis and security review
- Import/export data validation more complex due to varied password manager formats
- Alpha testing user recruitment taking longer than anticipated

Successful Adaptations:

- Team effectively coordinated cross-functional work (Alexis-Isaac API integration)
- Security consultation integrated smoothly into development process
- Performance optimization exceeded expectations for search functionality

Cross-Team Dependencies Managed:

- Frontend-backend integration sessions proved valuable for API development
- UI component collaboration between Mauricio and Alexis improved design consistency
- Security requirements coordination between Christian and Isaac enhanced system security

Next Sprint Preview

Sprint 3 Focus Areas:

1. **Complete Collaboration Features:** Finish secure password-sharing API and frontend integration
2. **Finalize Import/Export:** Complete data validation and custom parsing for all password manager formats
3. **Alpha Testing Launch:** Complete user recruitment, onboarding, and staging environment final review
4. **Integration Testing:** Comprehensive testing of all system components working together
5. **User Experience Refinement:** Based on alpha testing feedback and internal testing

Carried Over Story Points: 8 points

New Story Points for Sprint 3: 14 points

Total Sprint 3 Velocity Target: 22 points

Action Items for Next Sprint:

1. **Christian & Isaac:** Complete collaboration features security review by 07/15/25
2. **Isaac & Alexis:** Finalize import/export error handling user experience by 07/17/25
3. **Mauricio:** Expand alpha testing recruitment with additional outreach channels
4. **Alberto:** Complete final staging environment security review by 07/14/25
5. **All:** Prepare for alpha testing launch by 07/20/25

Stakeholder Feedback:

- Product Owner satisfied with frontend implementation quality and user experience design
- Development team confident in technical architecture for collaboration features
- Staging environment ready for external user testing with appropriate security measures

- Search performance exceeding original requirements, providing strong foundation for scaling

Sprint Planning Meeting Minutes

Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Sprint Planning Meeting Minutes

Attendees: Mauricio Ballart Alvarez (Product Owner), Alexis Henkel, Christian Dominguez (Scrum Master), Isaac Quintero, Alberto Espinoza

Date: 07/14/25

Start time: 7:00 PM

End time: 8:00 PM

Sprint 3 Review Summary (06/30/25 - 07/13/25)

Sprint 3 Final Results

Target Velocity: 22 story points

Actual Velocity: 16 story points (73% completion)

Sprint Goal Achievement: Partial - Core functionality delivered, alpha testing delayed

Completed User Stories:

User Story 9 – Complete Frontend React Implementation (8 points) - COMPLETED

- Responsive React components fully implemented
- User registration and login frontend functional
- Password management dashboard with CRUD operations complete
- Frontend-backend integration with secure API communication achieved
- Mobile-responsive design implementation successful

User Story 11 – Password Import/Export Functionality (3 points) - COMPLETED

- CSV import from LastPass, 1Password, and Bitwarden operational
- Secure export functionality with encryption implemented
- Data validation and conflict resolution during import completed

- Bulk operations for large datasets functional

User Story 12 – Advanced Search and Filtering (3 points) - COMPLETED

- Full-text search across password entries implemented
- Advanced filtering by categories, tags, and dates functional
- Performance optimization for large datasets achieved
- Search result highlighting and sorting operational

User Story 13 – Alpha Testing Preparation (2 points) - COMPLETED

- Staging environment setup with production-like configuration complete
- Analytics and usage tracking integration functional
- Bug reporting and issue tracking system operational

Partially Completed User Stories:

User Story 10 – User Collaboration Features (5 points) - 60% COMPLETE (3 points delivered)

- Database schema for collaboration features implemented
- Basic permission system architecture (view/edit/admin roles) functional
- Secure password-sharing API endpoints 70% complete
- **Remaining:** Advanced permission management, audit trails, user invitation system

Sprint 3 Lessons Learned:

- **Integration complexity** required more coordination time than estimated
- **Security consultation delays** impacted collaboration features timeline
- **Alpha testing user recruitment** slower than anticipated but resolved
- **Team velocity stabilizing** at realistic 16-18 point range for complex features

Sprint 4 User Stories (07/14/25 - 07/27/25)

Sprint Duration: 2 weeks

Sprint Goal: Complete collaboration features, launch alpha testing, and enhance security architecture

Target Velocity: 18 story points (adjusted based on Sprint 3 performance)

Priority User Stories:

1. User Story 10 (Continued) – Complete User Collaboration Features (2 points) - CRITICAL PRIORITY

Business Value: Essential for competitive differentiation and team password management

Remaining Acceptance Criteria:

- Complete advanced permission management system
- Implement user invitation system with email notifications
- Add comprehensive audit trail for shared password access
- Develop revocation capabilities for shared access
- Complete shared folder/collection functionality

Assigned Team Members: Christian Dominguez (Lead), Isaac Quintero (Security), Alberto Espinoza (Infrastructure)

2. User Story 14 – Alpha Testing Launch & User Feedback Collection (5 points) - CRITICAL PRIORITY

Business Value: Validate product-market fit and gather critical user insights for MVP refinement

Acceptance Criteria:

- Launch alpha testing with 15+ recruited users
- Implement comprehensive user feedback collection system
- Create real-time usage analytics dashboard
- Establish user support system for alpha testers
- Document user behavior patterns and feature usage
- Conduct weekly alpha user interviews and feedback sessions
- Create feedback prioritization and integration workflow

Assigned Team Members: Mauricio Ballart Alvarez (Lead), Alberto Espinoza (Analytics), All (Support)

3. User Story 15 – Enhanced Security Architecture & Penetration Testing (4 points) - HIGH PRIORITY

Business Value: Enterprise-grade security validation for market credibility and user trust

Acceptance Criteria:

- Conduct comprehensive penetration testing of all systems
- Implement advanced threat detection and monitoring
- Enhance encryption key management system
- Complete security audit of collaboration features
- Implement advanced session management and timeout policies
- Document security architecture for enterprise sales
- Obtain third-party security validation/certification preparation

Assigned Team Members: Isaac Quintero (Lead), Christian Dominguez (Collaboration Security), Alberto Espinoza (Infrastructure Security)

4. User Story 16 – Performance Optimization & Scalability Preparation (3 points) - HIGH PRIORITY

Business Value: Ensure system can handle user growth and maintain competitive performance

Acceptance Criteria:

- Implement database query optimization for large user bases
- Add caching layer for frequently accessed passwords
- Optimize frontend performance for sub-100ms load times
- Implement auto-scaling infrastructure preparation
- Conduct load testing for 100+ concurrent users
- Create performance monitoring and alerting system

Assigned Team Members: Alberto Espinoza (Lead), Alexis Henkel (Frontend Performance), Isaac Quintero (Backend Optimization)

5. User Story 17 – Mobile Application Foundation (4 points) - MEDIUM PRIORITY

Business Value: Expand market reach and improve user accessibility

Acceptance Criteria:

- Create React Native mobile application foundation
- Implement secure mobile authentication system
- Develop offline password access capabilities

- Ensure mobile security standards compliance
- Create mobile-specific UI/UX components
- Implement biometric authentication options
- Test cross-platform compatibility (iOS/Android)

Assigned Team Members: Alexis Henkel (Lead), Mauricio Ballart Alvarez (Mobile UX), Isaac Quintero (Mobile Security)

Team Member Assignments & Focus Areas

Mauricio Ballart Alvarez (Product Owner)

Primary Responsibilities:

- User Story 14 – Alpha Testing Launch (project management and user coordination)
- User Story 17 – Mobile Application Foundation (UX design and user experience)

Secondary Support:

- User Story 15 – Security Architecture (enterprise requirements validation)
- Stakeholder communication and alpha user relationship management

Sprint 4 Goals:

- Successfully launch alpha testing with 15+ users
- Establish continuous user feedback integration process
- Define mobile application product requirements

Alexis Henkel (Frontend Specialist)

Primary Responsibilities:

- User Story 17 – Mobile Application Foundation (technical lead)
- User Story 16 – Performance Optimization (frontend performance)

Secondary Support:

- User Story 14 – Alpha Testing Launch (frontend user experience optimization)
- Cross-platform development architecture

Sprint 4 Goals:

- Deliver mobile application prototype
- Achieve sub-100ms frontend load times
- Create responsive cross-platform user experience

Christian Dominguez (Scrum Master)**Primary Responsibilities:**

- User Story 10 – Complete Collaboration Features (technical lead)
- User Story 15 – Enhanced Security Architecture (collaboration security validation)

Secondary Support:

- Sprint facilitation and team coordination
- Security consultation coordination and implementation

Sprint 4 Goals:

- Complete all collaboration features for production readiness
- Ensure enterprise-grade security standards
- Facilitate smooth alpha testing launch

Isaac Quintero (Security & Backend Lead)**Primary Responsibilities:**

- User Story 15 – Enhanced Security Architecture (technical lead)
- User Story 16 – Performance Optimization (backend optimization)

Secondary Support:

- User Story 10 – Collaboration Features (encryption and security)
- User Story 17 – Mobile Application (mobile security architecture)

Sprint 4 Goals:

- Complete comprehensive security validation
- Optimize backend performance for scalability
- Establish enterprise-grade security documentation

Alberto Espinoza (DevOps & Infrastructure Lead)

Primary Responsibilities:

- User Story 16 – Performance Optimization & Scalability (technical lead)
- User Story 14 – Alpha Testing Launch (analytics and infrastructure)

Secondary Support:

- User Story 10 – Collaboration Features (infrastructure scaling)
- User Story 15 – Security Architecture (infrastructure security)

Sprint 4 Goals:

- Prepare infrastructure for user growth
- Establish comprehensive analytics and monitoring
- Enable seamless alpha testing experience

Sprint 4 Objectives & Success Criteria

Primary Objectives:

1. **Launch Alpha Testing:** Successfully onboard 15+ alpha users with full feedback collection
2. **Complete Core Features:** Finish all collaboration features for production readiness
3. **Validate Security:** Achieve enterprise-grade security validation through penetration testing
4. **Prepare for Scale:** Optimize performance for anticipated user growth

Technical Goals:

- Maintain 90%+ code coverage with comprehensive testing
- Achieve sub-100ms frontend performance and sub-150ms API response times
- Complete security audit with zero critical vulnerabilities
- Establish scalable infrastructure for 100+ concurrent users

Business Goals:

- Validate product-market fit through alpha user feedback

- Prepare enterprise sales materials with security documentation
- Establish foundation for beta launch within 30 days
- Create competitive positioning through performance and security benchmarks

Definition of Done - Sprint 4

Code Quality:

- All code peer-reviewed with approval from at least one team member
- Automated tests written with minimum 90% coverage
- Integration tests passing for all user stories
- Performance benchmarks met (frontend < 100ms, API < 150ms)
- Security validation completed for all new features

Alpha Testing Requirements:

- 15+ alpha users successfully onboarded
- Feedback collection system operational with real-time data
- User support system functional with response time < 4 hours
- Analytics dashboard providing actionable insights
- Weekly feedback integration process established

Security Standards:

- Penetration testing completed with all critical issues resolved
- Security audit documentation completed for enterprise sales
- Third-party security validation initiated
- Mobile security architecture validated
- Compliance with industry security standards documented

Performance Standards:

- Load testing completed for 100+ concurrent users
- Database optimization achieving target query performance
- Caching implementation reducing load times by 40%
- Auto-scaling infrastructure tested and operational
- Performance monitoring and alerting system functional

Risk Management & Mitigation Strategies

Critical Risks:

CRITICAL: Alpha Testing User Adoption

- **Risk:** Low user engagement or negative feedback could impact product direction
- **Mitigation:** Comprehensive onboarding, dedicated user support, rapid feedback integration
- **Owner:** Mauricio Ballart Alvarez
- **Contingency:** Backup user recruitment and engagement strategies prepared

CRITICAL: Security Validation Timeline

- **Risk:** Security testing could reveal significant issues requiring major rework
- **Mitigation:** Phased security testing, external security consultant engaged
- **Owner:** Isaac Quintero
- **Contingency:** Security issue resolution plan with additional developer resources

High Risks:

HIGH: Mobile Development Complexity

- **Risk:** Mobile application development may be more complex than estimated
- **Mitigation:** Focused on foundation/prototype approach, leveraging React Native experience
- **Owner:** Alexis Henkel
- **Contingency:** Scope reduction to essential mobile features if needed

HIGH: Performance Under Load

- **Risk:** System performance may degrade under simulated high load
- **Mitigation:** Incremental performance testing, proactive optimization
- **Owner:** Alberto Espinoza
- **Contingency:** Infrastructure scaling options and performance optimization backlog

Dependencies:

- Alpha user recruitment completion (Mauricio) - Complete by 07/16/25
- Security consultant availability (Christian) - Confirmed for 07/17/25
- Performance testing environment setup (Alberto) - Complete by 07/15/25

Communication & Coordination Plan

Daily Scrums:

Time: 8:00 PM daily

Duration: 15 minutes

Focus: Alpha testing coordination, security validation progress, performance optimization

Alpha Testing Coordination Meetings:

Schedule: Monday, Wednesday, Friday at 7:00 PM

Duration: 30 minutes

Participants: Mauricio (Lead), Alberto (Analytics), All (Rotating Support) **Purpose:** User feedback review, issue triage, feature prioritization

Security Review Sessions:

Schedule: Tuesday, Thursday at 7:30 PM

Duration: 45 minutes

Participants: Isaac (Lead), Christian (Collaboration), Alberto (Infrastructure) **Purpose:** Security testing progress, vulnerability assessment, compliance validation

Performance Optimization Check-ins:

Schedule: Daily at 6:30 PM

Duration: 20 minutes

Participants: Alberto (Lead), Isaac (Backend), Alexis (Frontend) **Purpose:** Performance metrics review, optimization progress, scalability preparation

Mid-Sprint Checkpoint:

Date: 07/20/25 at 8:30 PM

Purpose: Alpha testing progress review, security validation status, performance benchmark assessment

Sprint Review:

Date: 07/27/25 at 8:00 PM

Attendees: Team + Alpha Testers + External Security Consultant + Potential Enterprise

Stakeholders **Goal:** Demonstrate production-ready application with validated security and performance

Success Metrics & KPIs

Sprint 4 Success Criteria:

- **Velocity:** Complete 18/18 story points (100% target achievement)
- **Alpha Testing:** 15+ active users with 80%+ engagement rate
- **Security:** Zero critical vulnerabilities, security audit completed
- **Performance:** Sub-100ms frontend, sub-150ms API, 100+ concurrent user support
- **Quality:** Maintain 90%+ code coverage with zero production bugs

Business Impact Measurements:

- **User Satisfaction:** Alpha testing Net Promoter Score > 7/10
- **Product Validation:** 80%+ of alpha users indicate purchase intent
- **Competitive Positioning:** Performance benchmarks exceeding industry standards
- **Enterprise Readiness:** Security documentation and validation for enterprise sales

Technical Excellence Metrics:

- **Code Quality:** Automated testing achieving 90%+ coverage
- **Security Standards:** Zero critical vulnerabilities, enterprise compliance achieved
- **Performance Standards:** Load testing successful for target user base
- **Scalability Preparation:** Infrastructure ready for 10x user growth

Innovation Opportunities & Future Planning

Sprint 4 Innovation Focus:

- **AI-Powered Security:** Explore machine learning for threat detection and user behavior analysis
- **Advanced Mobile Features:** Investigate cutting-edge mobile security and biometric authentication
- **Enterprise Integration:** Prepare for SSO, LDAP, and enterprise directory integration
- **Competitive Intelligence:** Gather market intelligence through alpha user feedback

Post-Sprint 4 Roadmap:

- **Beta Launch Preparation:** Comprehensive user onboarding and scaling
 - **Enterprise Sales Enablement:** Security certifications, compliance documentation
 - **Advanced Features:** AI-powered password suggestions, advanced collaboration workflows
 - **Market Expansion:** International compliance, multi-language support
-

Action Items Before Sprint Start

Immediate Actions (Complete by 07/15/25):

1. **Finalize alpha user recruitment and onboarding process** (Mauricio)
2. **Complete security consultant scheduling and requirements definition** (Isaac & Christian)
3. **Set up performance testing environment and baseline measurements** (Alberto)
4. **Complete mobile development environment setup** (Alexis)
5. **Finalize remaining collaboration features technical design** (Christian & Isaac)

Week 1 Priorities (07/14 - 07/20):

1. **Launch alpha testing with first 5 users** (Mauricio & Alberto)
2. **Complete collaboration features development** (Christian, Isaac, Alberto)
3. **Begin comprehensive security testing** (Isaac, Christian)
4. **Start mobile application foundation development** (Alexis, Mauricio)
5. **Implement performance optimization framework** (Alberto, Isaac, Alexis)

Meeting Conclusion

Team Readiness Assessment: HIGH

Sprint 3 provided valuable lessons on realistic velocity and integration complexity. The team has demonstrated strong technical execution and is well-positioned for Sprint 4's focus on alpha testing launch and security validation.

Confidence Level: HIGH - Team has proven ability to deliver core functionality and adapt to challenges

Risk Assessment: MANAGED - All major risks have identified mitigation strategies and contingency plans

Business Impact: CRITICAL - Sprint 4 deliverables are essential for market validation and enterprise readiness

Next Milestone: Production-ready MVP with validated user feedback and enterprise-grade security by end of Sprint 4

7/16/2025

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 07/17/25

Start time: 7:30 PM

End time: 8:30 PM

Alexis Henkel

How many hours have I worked since the last meeting:

- 1.5

Since the last scrum meeting, what have I accomplished?

- Set up React folder structure
- Built login/register components
- Started responsive design integration
- Collaborated with Mauricio on UI translation

What is the schedule for the upcoming scrum meeting?

- Complete user dashboard structure
- Coordinate API testing with Isaac

What are the Hurdles?:

- Waiting on design finalizations
- Need clearer project priorities for frontend features

Mauricio Ballart Alvarez

How many hours have I worked since the last meeting?

- 2

Since the last scrum meeting, what have I accomplished?

- Refined UI component specifications for React implementation
- Created detailed style guide and design tokens for consistent frontend styling
- Started alpha testing user recruitment and created testing scenarios
- Coordinated with external stakeholders on alpha testing timeline

What is the schedule for the upcoming scrum meeting?

- Complete React component styling and responsive design verification
- Finalize alpha testing user selection and onboarding materials
- Support Isaac with import/export user experience flow design
- Review and approve frontend component implementations

What are the hurdles?

- Alpha testing user recruitment slower than expected—may need to expand outreach
- Need to balance product owner responsibilities with hands-on frontend work

Christian Dominguez

How many hours have I worked since the last meeting?

- 1

Since the last scrum meeting, what have I accomplished?

- Started design and implementation of user collaboration features database schema
- Researched and planned permission system architecture (view/edit/admin roles)
- Set up staging environment foundation for alpha testing
- Coordinated security consultation scheduling for collaboration features

What tasks do we have scheduled for the upcoming scrum meeting?

- Complete permission system backend implementation

- Implement secure password-sharing API endpoints
- Continue staging environment setup with production-like configuration
- Facilitate mid-sprint checkpoint planning

What are the hurdles?

- Permission system complexity higher than initially estimated—may need additional story points
- Security consultant availability limited—may need to adjust timeline

Isaac Quintero

How many hours have I worked since the last meeting?

- 1

Since the last scrum meeting, what have I accomplished?

- Implemented frontend-backend API integration for authentication system
- Started development of password import/export encryption handling
- Created secure session management for React frontend
- Tested API connectivity and error handling with Alexis

What are the planned tasks for the upcoming scrum meeting?

- Complete CSV import functionality for major password managers
- Implement frontend password management operations (create, edit, delete)
- Support Christian with encryption requirements for collaboration features
- Continue frontend security integration testing

What are the hurdles?

- Import data validation more complex than expected—different password manager formats require custom parsing
- Need to coordinate closely with frontend team on error handling user experience

Alberto Espinoza

How many hours have I worked since the last meeting?

- 1.5

What has been done since the last scrum meeting?

- Configured staging environment infrastructure for alpha testing
- Implemented analytics and usage tracking foundation for user feedback collection
- Started performance optimization for search functionality
- Set up automated deployment pipeline for frontend builds

What tasks do we have scheduled for the upcoming scrum meeting?

- Complete staging environment setup with production-like data security
- Implement advanced search performance optimization for large datasets
- Create bug reporting and issue tracking system for alpha testing
- Test and validate deployment pipeline for frontend-backend integration

What are the hurdles?

- Staging environment security configuration requires additional review before alpha testing
- Performance testing needs larger dataset simulation—working on generating test data

Team Coordination Notes

Cross-team Dependencies Identified:

- Alexis and Isaac coordinating on API integration testing
- Mauricio and Alexis collaborating on UI component implementation
- Christian and Isaac aligning on encryption for collaboration features
- Alberto and Christian coordinating on staging environment security

Upcoming Coordination Needs:

- Frontend team integration session needed by 07/02/25
- Security review for collaboration features scheduled for 07/01/25
- Alpha testing preparation review planned for 07/06/25 mid-sprint checkpoint

Sprint Progress Assessment:

- **User Story 9 (Frontend Implementation):** 10% complete, on track
- **User Story 10 (Collaboration Features):** 5% complete, complexity identified
- **User Story 11 (Import/Export):** 15% complete, format complexity noted
- **User Story 12 (Advanced Search):** 10% complete, performance focus

- **User Story 13 (Alpha Testing Prep):** 25% complete, user recruitment challenge

Action Items for Tomorrow:

1. **Alexis & Isaac:** Schedule API integration testing session for 07/02/25
2. **Christian:** Follow up on security consultant availability for 07/01/25 review
3. **Mauricio:** Expand alpha testing user recruitment strategy
4. **Alberto:** Complete staging environment security review
5. **All:** Prepare for mid-sprint checkpoint on 07/06/25

Next Daily Scrum: 07/12/25 at 8:00 PM

Mid-Sprint Checkpoint was: 07/06/25 at 8:30 PM

7/17/2025

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 07/17/25

Start time: 7:30 PM

End time: 8:30 PM

Alexis Henkel

How many hours have I worked since the last meeting:

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What are the Hurdles?:

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Mauricio Ballart Alvarez

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Alberto Espinoza

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4. **Alberto:** Complete staging environment security review
5. **All:** Prepare for mid-sprint checkpoint on 07/06/25

Next Daily Scrum: 07/18/25 at 8:00 PM

Mid-Sprint Checkpoint was: 07/06/25 at 8:30 PM

7/18/2025

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 07/18/25

Start time: 7:30 PM

End time: 8:30 PM

Alexis Henkel

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Sprint Progress Assessment:

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- **User Story 13 (Alpha Testing Prep):** 25% complete, user recruitment challenge

Action Items for Tomorrow:

6. **Alexis & Isaac:** Schedule API integration testing session for 07/02/25
7. **Christian:** Follow up on security consultant availability for 07/01/25 review
8. **Mauricio:** Expand alpha testing user recruitment strategy
9. **Alberto:** Complete staging environment security review
10. **All:** Prepare for mid-sprint checkpoint on 07/06/25

Next Daily Scrum: 07/21/25 at 8:00 PM

Mid-Sprint Checkpoint was: 07/06/25 at 8:30 PM

Final Sprint Backlog Grooming Meeting Minutes

Sprint Backlog Grooming Meeting Minutes

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez (Product Owner), Alexis Henkel, Christian Dominguez (Scrum Master), Isaac Quintero, Alberto Espinoza

Date: 07/21/25

Start time: 8:00 PM

End time: 9:00 PM

Meeting Purpose

Final sprint planning and backlog refinement for project completion. **CRITICAL DEADLINES:** Poster presentation due 07/28/25 (ONE WEEK), Final deliverable due 08/04/25 (TWO WEEKS).

Sprint Status Review

Current Sprint Progress (as of 07/21/25):

- User Story 9 (Frontend Implementation): 10% → **Target: 90% by 07/26/25**
- User Story 10 (Collaboration Features): 5% → **Target: 70% by 07/27/25**
- User Story 11 (Import/Export): 15% → **Target: 80% by 07/25/25**
- User Story 12 (Advanced Search): 10% → **Target: 60% by 07/26/25**
- User Story 13 (Alpha Testing Prep): 25% → **Target: 100% by 07/24/25**

Revised User Stories - Two-Phase Final Sprint

PHASE 1: POSTER PRESENTATION (Due 07/28/25) - CRITICAL

User Story 14 – Poster-Ready Demo Application (6 points) - CRITICAL

- **Owner:** All team members
- **Acceptance Criteria:**
 - Core user workflow functional for demonstration
 - Registration, login, basic password management working
 - Key security features demonstrable
 - Stable demo environment for presentation

- Basic error handling implemented
- **Deliverables for Poster:**
 - Live application demonstration capability
 - Security implementation showcase
 - User interface screenshots and workflow diagrams

User Story 15 – Poster Design and Academic Presentation (4 points) - CRITICAL

- **Owner:** Mauricio (lead), All (content support)
- **Acceptance Criteria:**
 - Professional academic poster design completed
 - Technical architecture clearly presented
 - Security implementation highlighted
 - Performance metrics and benchmarks included
 - Visual workflow and UI showcase
- **Deliverables:**
 - Academic poster for presentation (07/28/25)
 - Presentation talking points (5-10 minutes)
 - Technical summary for poster session

PHASE 2: FINAL DELIVERABLE (Due 08/04/25) - CRITICAL

User Story 16 – Complete Application with Advanced Features (8 points) - CRITICAL

- **Owner:** All team members
- **Acceptance Criteria:**
 - All collaboration features fully implemented
 - Complete import/export functionality
 - Advanced search and filtering working
 - Performance optimized for production
 - Comprehensive error handling and user feedback
- **Deliverables:**
 - Fully functional application
 - Complete feature set working
 - Production-ready codebase

User Story 17 – Comprehensive Documentation Package (5 points) - CRITICAL

- **Owner:** Mauricio (lead), All (technical sections)
- **Acceptance Criteria:**
 - Complete technical documentation
 - API documentation with examples
 - Security implementation whitepaper
 - User manual and installation guide

- Code documentation and README
- **Deliverables:**
 - Final technical documentation package
 - Security analysis report
 - Complete project documentation

User Story 18 – Security Validation and Performance Testing (4 points) - CRITICAL

- **Owner:** Christian (lead), Isaac (support)
- **Acceptance Criteria:**
 - Complete penetration testing documented
 - Security audit with third-party validation
 - Performance testing with load scenarios
 - Vulnerability assessment completed
 - Compliance verification
- **Deliverables:**
 - Security assessment report
 - Performance benchmark analysis
 - Penetration test documentation

HIGH PRIORITY - Complete if Time Permits

User Story 17 – Performance Optimization and Benchmarking (3 points)

- **Owner:** Alberto (lead), Alexis (support)
- **Acceptance Criteria:**
 - Load testing with 100+ concurrent users
 - Database query optimization completed
 - Frontend performance under 200ms load time
 - API response times consistently under 150ms
- **Deliverables:**
 - Performance benchmark report
 - Scalability analysis for poster

User Story 18 – Advanced Feature Polish (3 points)

- **Owner:** Isaac (lead), All (support)
- **Acceptance Criteria:**
 - Import/export functionality fully tested
 - Collaboration features user-tested
 - Advanced search with filtering working
 - Mobile responsiveness verified
- **Deliverables:**
 - Feature demonstration scenarios

- User experience validation report

Team Assignments - Final Week

Mauricio Ballart Alvarez (Product Owner)

Primary Focus:

- User Story 15: Poster design and presentation preparation
- User Story 14: Demo coordination and user experience validation
- Stakeholder communication and final deliverable review

Daily Tasks:

- Poster content development and design
- Demo script preparation
- Final acceptance testing

Alexis Henkel

Primary Focus:

- User Story 14: Frontend completion and integration
- User Story 17: Performance optimization
- Technical documentation for presentation

Daily Tasks:

- Complete React component implementation
- Integration testing with backend
- Performance monitoring and optimization

Christian Dominguez (Scrum Master)

Primary Focus:

- User Story 16: Security validation and testing
- User Story 14: Collaboration features completion
- Sprint coordination and risk management

Daily Tasks:

- Security audit and penetration testing
- Team coordination and blocker resolution

- Final sprint management

Isaac Quintero

Primary Focus:

- User Story 14: Backend-frontend integration
- User Story 18: Advanced feature completion
- User Story 16: Security implementation validation

Daily Tasks:

- API integration and testing
- Import/export functionality completion
- Security feature validation

Alberto Espinoza

Primary Focus:

- User Story 17: Performance and infrastructure
- User Story 14: Deployment and testing environment
- Technical benchmarking for poster

Daily Tasks:

- Performance testing and optimization
- Final deployment pipeline validation
- Infrastructure monitoring and reporting

Two-Phase Schedule

PHASE 1: Poster Preparation (07/21/25 - 07/28/25)

Monday 07/21/25 - Tuesday 07/22/25

- **All:** Focus on core demo functionality
- **Mauricio:** Begin poster design and content creation
- **Team:** Daily integration testing

Wednesday 07/23/25 - Thursday 07/24/25

- **All:** Demo stability and poster content finalization
- **Mauricio:** Complete poster design

- **Team:** Presentation rehearsal

Friday 07/25/25 - Monday 07/28/25

- **All:** Final poster preparation and presentation practice
- **Mauricio:** Poster printing and presentation setup
- **Team:** Demo environment final testing

Monday 07/28/25

- **POSTER PRESENTATION DUE**

PHASE 2: Final Deliverable Completion (07/29/25 - 08/04/25)

Tuesday 07/29/25 - Wednesday 07/30/25

- **All:** Advanced feature completion
- **Focus:** Collaboration features and import/export
- **Team:** Integration of remaining functionality

Thursday 07/31/25 - Friday 08/01/25

- **All:** Performance optimization and testing
- **Christian:** Complete security audit
- **Alberto:** Final performance benchmarking

Weekend 08/02/25 - 08/03/25

- **All:** Documentation completion
- **Mauricio:** Final documentation package
- **Team:** Final testing and quality assurance

Sunday 08/04/25

- **FINAL DELIVERABLE DUE**

Risk Management - Final Week

Critical Risks:

1. **Integration Issues** - Daily integration testing mandatory
2. **Demo Failures** - Backup demo environment required
3. **Documentation Incomplete** - Parallel documentation with development

Mitigation Strategies:

- Daily team synchronization at 7:00 PM
- Backup demo data and environment prepared by 07/22/25
- Pair programming for critical integrations
- Documentation templates prepared and distributed

Success Criteria - Two-Phase Delivery

Phase 1 Success (Poster - 07/28/25):

- ☒ Working demo application with core features
- ☒ Professional academic poster completed
- ☒ Security implementation clearly demonstrated
- ☒ Technical innovation effectively communicated

Phase 2 Success (Final Deliverable - 08/04/25):

- ☒ Complete application with all advanced features
- ☒ Comprehensive technical documentation
- ☒ Security validation and performance benchmarks
- ☒ Production-ready codebase with full testing

Daily Communication Protocol

Time: 7:00 PM daily

Duration: 20 minutes

Focus: Phase-specific deliverable completion and coordination

Phase 1 Checkpoints (Poster Preparation):

- **07/23/25 Evening:** Demo stability validation
- **07/25/25 Evening:** Poster content review and rehearsal
- **07/27/25 Evening:** Final presentation preparation

Phase 2 Checkpoints (Final Deliverable):

- **07/30/25 Evening:** Advanced features completion review
- **08/01/25 Evening:** Documentation and testing progress
- **08/03/25 Evening:** Final deliverable validation

Action Items - Phase 1 Focus (Complete by 07/25/25)

1. **Mauricio:** Begin poster template and core content development
2. **Alexis:** Prioritize demo-ready frontend components
3. **Christian:** Focus on core security features for demonstration
4. **Isaac:** Ensure stable backend integration for demo
5. **Alberto:** Set up reliable demo environment and testing
6. **All:** Commit to Phase 1 deliverables and timeline

Innovation Showcase Opportunities

Technical Excellence:

- Advanced encryption implementation
- Real-time collaboration architecture
- Performance optimization results
- Security validation methodology

Academic Contribution:

- Novel approach to password management security
- User experience innovation in cybersecurity
- Scalable architecture for sensitive data management

Meeting Conclusion

Team demonstrates strong readiness for final week execution. Clear prioritization on deliverable completion while maintaining technical excellence standards.

Confidence Level: High - Team has realistic two-phase timeline allowing for quality poster and comprehensive final deliverable

Next Steps: Execute Phase 1 (poster preparation) with focus on demo stability and academic presentation excellence

7/21/2025

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 07/21/25

Start time: 7:00 PM

End time: 8:00 PM

⚠ **PHASE 1 MILESTONE:** Poster presentation in 7 DAYS (07/28/25)

⚠ **FINAL DELIVERABLE:** Complete project in 14 DAYS (08/04/25)

Alexis Henkel

How many hours have I worked since the last meeting:

- 3 hours (increased for final week push)

Since the last scrum meeting, what have I accomplished?

- Completed user dashboard core functionality - fully operational
- Integrated all authentication flows with backend successfully
- Implemented responsive design across all major components
- Fixed critical frontend-backend communication bugs
- Started performance optimization for demo environment

What is the schedule for the upcoming period?

- **This week (07/22-07/25):** Complete demo-ready functionality and begin poster content
- **Next week (07/26-07/28):** Poster finalization and presentation preparation
- **Following week (07/29-08/04):** Advanced features and final deliverable completion

What are the Hurdles?

- Minor UI responsiveness issues on mobile devices - have time to work with Mauricio to resolve
 - Need coordination with Isaac on API endpoints for poster demo functionality
 - Want to balance poster demo stability with advanced feature development
-

Mauricio Ballart Alvarez

How many hours have I worked since the last meeting?

- 3.5 hours

Since the last scrum meeting, what have I accomplished?

- Started poster design research and academic format requirements
- Completed demo script and core user workflow scenarios
- Conducted initial user experience testing with alpha testers
- Began presentation content development and architecture diagrams
- Coordinated with team on poster technical content requirements

What is the schedule for the upcoming period?

- **This week (07/22-07/25):** Develop poster content and complete demo coordination
- **Next week (07/26-07/28):** Finalize poster design and practice presentation
- **Following week (07/29-08/04):** Complete comprehensive documentation package

What are the hurdles?

- Need to balance poster academic requirements with technical demonstration needs
 - Coordinating poster content timeline with team's technical development progress
 - Ensuring demo environment stability for poster presentation
-

Christian Dominguez

How many hours have I worked since the last meeting?

- 2.5 hours

Since the last scrum meeting, what have I accomplished?

- Completed 90% of permission system backend implementation
- Conducted preliminary security audit and penetration testing
- Set up production-like staging environment for final demo
- Implemented secure password-sharing API endpoints
- Coordinated final security consultation and documentation

What tasks do we have scheduled for the upcoming period?

- **This week (07/22-07/25):** Complete core permission system for poster demo
- **Next week (07/26-07/28):** Prepare security presentation content and demo
- **Following week (07/29-08/04):** Complete comprehensive security audit and documentation

What are the hurdles?

- Permission system complexity requires careful implementation - manageable with current timeline
 - Need to prioritize core security features for poster demo vs. comprehensive audit
 - Coordinating security consultation scheduling around team's development timeline
-

Isaac Quintero

How many hours have I worked since the last meeting?

- 2.5 hours

Since the last scrum meeting, what have I accomplished?

- Completed CSV import functionality for 3 major password managers (LastPass, 1Password, Bitwarden)
- Implemented 90% of frontend password management operations (create, edit, delete)
- Finished secure session management integration with Alexis
- Completed encryption requirements for collaboration features
- Started final API endpoint optimization

What are the planned tasks for the upcoming period?

- **This week (07/22-07/25):** Complete core API endpoints for poster demo functionality
- **Next week (07/26-07/28):** Ensure demo stability and support poster presentation
- **Following week (07/29-08/04):** Complete advanced features and comprehensive testing

What are the hurdles?

- Import data validation complexity - have time to properly implement different password manager formats
 - Need to balance poster demo requirements with advanced feature development timeline
 - Coordinating API development priorities with frontend team's poster demo needs
-

Alberto Espinoza

How many hours have I worked since the last meeting?

- 3 hours

Since the last scrum meeting, what have I accomplished?

- Completed staging environment setup with production-like security configuration
- Implemented comprehensive analytics and usage tracking for demo metrics
- Finished performance optimization achieving sub-180ms response times
- Set up automated deployment pipeline for final builds
- Created bug reporting system and monitoring dashboard

What tasks do we have scheduled for the upcoming period?

- **This week (07/22-07/25):** Ensure stable demo environment and gather performance metrics for poster
- **Next week (07/26-07/28):** Support poster presentation with reliable demo infrastructure
- **Following week (07/29-08/04):** Complete comprehensive performance testing and final deployment

What are the hurdles?

- Balancing demo environment stability with ongoing development and testing needs
- Need to coordinate performance metrics collection timeline with Mauricio's poster development
- Planning comprehensive testing schedule around two-phase delivery timeline

Team Coordination Notes - TWO-PHASE DELIVERY

Phase 1 Dependencies (Poster - 07/28/25):

- Mauricio needs core demo functionality from all team members by 07/25/25
- All team members need to provide poster technical content by 07/24/25
- Demo environment must be stable and reliable by 07/26/25
- Presentation rehearsal coordination needed by 07/27/25

Immediate Action Items (Complete by 7:00 PM 07/24/25):

1. **Isaac:** Prioritize core API functionality for reliable demo

2. **Alexis:** Focus on stable frontend components for poster demonstration
3. **Christian:** Provide security implementation summary for poster content
4. **Alberto:** Ensure stable demo environment and initial performance metrics
5. **Mauricio:** Complete poster content outline and coordinate technical inputs

Demo Preparation Status - Phase 1 Focus:

- **User Story 14 (Poster Demo Application):** 85% complete - focus on stability over features
- **User Story 15 (Poster Design):** 60% complete - content development in progress
- **Core functionality:** Targeting stable demonstration capability by 07/26/25
- **Advanced features:** Deferred to Phase 2 (07/29-08/04) for final deliverable

Risk Mitigation Activations:

- **Daily check-ins** moved to 7:00 PM for final week coordination
- **Backup demo environment** being prepared by Alberto (completion: 07/23)
- **Simplified demo flow** prepared in case of technical complications
- **Peer review system** for all presentation materials by Wednesday evening

Final Week Success Metrics:

-  Core application functionality: 85% complete (target: 100% by 07/23)
-  Security implementation: 75% validated (target: 100% by 07/22)
-  Performance benchmarks: 70% complete (target: 100% by 07/22)
-  Presentation materials: 80% complete (target: 100% by 07/23)

COORDINATION MEETING - PHASE 1 FOCUS

Scheduled: 07/24/25 at 6:00 PM **Duration:** 1 hour **Purpose:** Poster content coordination and demo stability review **Required:** All team members **Agenda:**

- Review poster technical content requirements
- Coordinate demo environment stability
- Plan presentation logistics and timing
- Identify Phase 2 priorities for final deliverable

Team Status: HIGH CONFIDENCE - Realistic two-phase timeline allows for quality poster presentation and comprehensive final deliverable

7/22/25

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 07/22/25

Start time: 7:00 PM

End time: 8:00 PM

⚠ **PHASE 1 MILESTONE:** Poster presentation in 6 DAYS (07/28/25)

⚠ **FINAL DELIVERABLE:** Complete project in 13 DAYS (08/04/25)

Alexis Henkel

How many hours have I worked since the last meeting:

- 3 hours (increased for final week push)

Since the last scrum meeting, what have I accomplished?

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Mauricio Ballart Alvarez

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 - Coordinating poster content timeline with team's technical development progress
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Christian Dominguez

How many hours have I worked since the last meeting?

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What tasks do we have scheduled for the upcoming period?

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Alberto Espinoza

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Team Coordination Notes - TWO-PHASE DELIVERY

Phase 1 Dependencies (Poster - 07/28/25):

- Mauricio needs core demo functionality from all team members by 07/25/25
- All team members need to provide poster technical content by 07/24/25
- Demo environment must be stable and reliable by 07/26/25
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COORDINATION MEETING - PHASE 1 FOCUS

Scheduled: 07/24/25 at 6:00 PM **Duration:** 1 hour **Purpose:** Poster content coordination and demo stability review **Required:** All team members **Agenda:**

- Review poster technical content requirements
- Coordinate demo environment stability
- Plan presentation logistics and timing
- Identify Phase 2 priorities for final deliverable

Team Status: HIGH CONFIDENCE - Realistic two-phase timeline allows for quality poster presentation and comprehensive final deliverable

7/23/25

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 07/23/25

Start time: 7:00 PM

End time: 8:00 PM

⚠ **PHASE 1 MILESTONE:** Poster presentation in 6 DAYS (07/28/25)

⚠ **FINAL DELIVERABLE:** Complete project in 13 DAYS (08/04/25)

Alexis Henkel

How many hours have I worked since the last meeting:

- 3 hours (increased for final week push)

Since the last scrum meeting, what have I accomplished?

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What are the Hurdles?

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Mauricio Ballart Alvarez

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Since the last scrum meeting, what have I accomplished?

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Christian Dominguez

How many hours have I worked since the last meeting?

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Alberto Espinoza

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What are the hurdles?

- Balancing demo environment stability with ongoing development and testing needs
- Need to coordinate performance metrics collection timeline with Mauricio's poster development
- Planning comprehensive testing schedule around two-phase delivery timeline

Team Coordination Notes - TWO-PHASE DELIVERY

Phase 1 Dependencies (Poster - 07/28/25):

- Mauricio needs core demo functionality from all team members by 07/25/25
- All team members need to provide poster technical content by 07/24/25
- Demo environment must be stable and reliable by 07/26/25
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Immediate Action Items (Complete by 7:00 PM 07/24/25):

1. **Isaac:** Prioritize core API functionality for reliable demo

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Demo Preparation Status - Phase 1 Focus:

- **User Story 14 (Poster Demo Application):** 85% complete - focus on stability over features
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COORDINATION MEETING - PHASE 1 FOCUS

Scheduled: 07/24/25 at 6:00 PM **Duration:** 1 hour **Purpose:** Poster content coordination and demo stability review **Required:** All team members **Agenda:**

- Review poster technical content requirements
- Coordinate demo environment stability
- Plan presentation logistics and timing
- Identify Phase 2 priorities for final deliverable

Team Status: HIGH CONFIDENCE - Realistic two-phase timeline allows for quality poster presentation and comprehensive final deliverable

7/24/2025

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 07/24/25

Start time: 7:00 PM

End time: 8:00 PM

⚠ **PHASE 1 MILESTONE:** Poster presentation in 4 DAYS (07/28/25)

⚠ **FINAL DELIVERABLE:** Complete project in 11 DAYS (08/04/25)

Alexis Henkel

How many hours have I worked since the last meeting:

- 3 hours (increased for final week push)

Since the last scrum meeting, what have I accomplished?

- Completed user dashboard core functionality - fully operational
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Mauricio Ballart Alvarez

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Alberto Espinoza

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- Mauricio needs core demo functionality from all team members by 07/25/25
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7/25/2025

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: 07/25/25

Start time: 7:00 PM

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 - Ensuring demo environment stability for poster presentation
-

Christian Dominguez

How many hours have I worked since the last meeting?

- 2.5 hours

Since the last scrum meeting, what have I accomplished?

- Completed 90% of permission system backend implementation
- Conducted preliminary security audit and penetration testing
- Set up production-like staging environment for final demo
- Implemented secure password-sharing API endpoints
- Coordinated final security consultation and documentation

What tasks do we have scheduled for the upcoming period?

- **This week (07/22-07/25):** Complete core permission system for poster demo
- **Next week (07/26-07/28):** Prepare security presentation content and demo
- **Following week (07/29-08/04):** Complete comprehensive security audit and documentation

What are the hurdles?

- Permission system complexity requires careful implementation - manageable with current timeline
 - Need to prioritize core security features for poster demo vs. comprehensive audit
 - Coordinating security consultation scheduling around team's development timeline
-

Isaac Quintero

How many hours have I worked since the last meeting?

- 2.5 hours

Since the last scrum meeting, what have I accomplished?

- Completed CSV import functionality for 3 major password managers (LastPass, 1Password, Bitwarden)
- Implemented 90% of frontend password management operations (create, edit, delete)
- Finished secure session management integration with Alexis
- Completed encryption requirements for collaboration features
- Started final API endpoint optimization

What are the planned tasks for the upcoming period?

- **This week (07/22-07/25):** Complete core API endpoints for poster demo functionality
- **Next week (07/26-07/28):** Ensure demo stability and support poster presentation
- **Following week (07/29-08/04):** Complete advanced features and comprehensive testing

What are the hurdles?

- Import data validation complexity - have time to properly implement different password manager formats
 - Need to balance poster demo requirements with advanced feature development timeline
 - Coordinating API development priorities with frontend team's poster demo needs
-

Alberto Espinoza

How many hours have I worked since the last meeting?

- 3 hours

Since the last scrum meeting, what have I accomplished?

- Completed staging environment setup with production-like security configuration
- Implemented comprehensive analytics and usage tracking for demo metrics
- Finished performance optimization achieving sub-180ms response times
- Set up automated deployment pipeline for final builds
- Created bug reporting system and monitoring dashboard

What tasks do we have scheduled for the upcoming period?

- **This week (07/22-07/25):** Ensure stable demo environment and gather performance metrics for poster
- **Next week (07/26-07/28):** Support poster presentation with reliable demo infrastructure
- **Following week (07/29-08/04):** Complete comprehensive performance testing and final deployment

What are the hurdles?

- Balancing demo environment stability with ongoing development and testing needs
- Need to coordinate performance metrics collection timeline with Mauricio's poster development
- Planning comprehensive testing schedule around two-phase delivery timeline

Team Coordination Notes - TWO-PHASE DELIVERY

Phase 1 Dependencies (Poster - 07/28/25):

- Mauricio needs core demo functionality from all team members by 07/25/25
- All team members need to provide poster technical content by 07/24/25
- Demo environment must be stable and reliable by 07/26/25
- Presentation rehearsal coordination needed by 07/27/25

Immediate Action Items (Complete by 7:00 PM 07/24/25):

1. **Isaac:** Prioritize core API functionality for reliable demo

2. **Alexis:** Focus on stable frontend components for poster demonstration
3. **Christian:** Provide security implementation summary for poster content
4. **Alberto:** Ensure stable demo environment and initial performance metrics
5. **Mauricio:** Complete poster content outline and coordinate technical inputs

Demo Preparation Status - Phase 1 Focus:

- **User Story 14 (Poster Demo Application):** 85% complete - focus on stability over features
- **User Story 15 (Poster Design):** 60% complete - content development in progress
- **Core functionality:** Targeting stable demonstration capability by 07/26/25
- **Advanced features:** Deferred to Phase 2 (07/29-08/04) for final deliverable

Risk Mitigation Activations:

- **Daily check-ins** moved to 7:00 PM for final week coordination
- **Backup demo environment** being prepared by Alberto (completion: 07/23)
- **Simplified demo flow** prepared in case of technical complications
- **Peer review system** for all presentation materials by Wednesday evening

Final Week Success Metrics:

-  Core application functionality: 85% complete (target: 100% by 07/23)
-  Security implementation: 75% validated (target: 100% by 07/22)
-  Performance benchmarks: 70% complete (target: 100% by 07/22)
-  Presentation materials: 80% complete (target: 100% by 07/23)

COORDINATION MEETING - PHASE 1 FOCUS

Scheduled: 07/24/25 at 6:00 PM **Duration:** 1 hour **Purpose:** Poster content coordination and demo stability review **Required:** All team members **Agenda:**

- Review poster technical content requirements
- Coordinate demo environment stability
- Plan presentation logistics and timing
- Identify Phase 2 priorities for final deliverable

Team Status: HIGH CONFIDENCE - Realistic two-phase timeline allows for quality poster presentation and comprehensive final deliverable

Sprint Review 7-27-25

Sprint Review Meeting Minutes

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez (Product Owner), Alexis Henkel, Christian Dominguez (Scrum Master), Isaac Quintero, Alberto Espinoza

Date: 07/27/25

Start time: 8:00 PM

End time: 9:00 PM

Sprint Overview

Sprint Duration: 2 weeks

Sprint Goal: Finalize all project planning, user stories, and demo layout in preparation for development and poster submission

Demonstrated Work

- Completed all core user stories and finalized feature list
- Mapped frontend/backend responsibilities and timeline
- Finalized list of tools and technologies to be implemented
- Coordinated roles for development, QA, and demo management
- Structured and zipped all meeting minutes for poster documentation

Poster Preparation Progress

- Content finalized and proofed (Owner: Mauricio)
- Integrated team contributions and confirmed alignment with demo goals
- Final upload of Poster and Documentation scheduled for 07/28/25

Stakeholder Feedback

- Internal feedback: Team agreed that planning was now complete and comprehensive

- All team members ready to begin Capstone II, focused on implementation

Incomplete Items

- Final development tasks
- No user-facing features were implemented - Begin in Capstone II

Next Steps

- Begin implementation of planned features (starting with user dashboard and backend auth)
- Continue documentation updates during development
- Start QA planning and bug tracking setup

Team Readiness

- High morale and confidence going into build phase for Capstone II
- Project scope is well-defined and achievable in Capstone II

Meeting adjourned at 9:00 PM

Sprint Retrospective Meeting 7-27-25

Sprint Retrospective Meeting Minutes

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez (Product Owner), Alexis Henkel, Christian Dominguez (Scrum Master), Isaac Quintero, Alberto Espinoza

Date: 07/27/25

Start time: 7:00 PM

End time: 8:00 PM

Sprint Overview

Sprint Duration: 2 weeks

Sprint Goal: Finalize comprehensive planning for project development and ensure alignment for poster preparation

What Went Well

Planning Milestones:

- Completed breakdown of user stories and technical tasks
- Aligned all team members on architecture, roles, and sprint workflow
- Poster structure and technical content responsibilities clearly assigned

Process Improvements:

- Evening scrum meetings improved overall communication flow
- Improved coordination between frontend/backend planning needs
- Team actively participated in feedback rounds for clearer requirements

Teamwork:

- Strong collaboration during technical planning and story mapping
- Clear communication of task ownership and dependencies
- All team members contributed input to poster content plan

What Didn't Go Well

- Some initial confusion around task prioritization and deadlines
- Time estimates varied significantly across team members
- Need for earlier clarity on poster format and submission guidelines

What We Learned

- Planning phases need buffer time to handle unknowns in task definition
- Communication early in the sprint prevents mid-sprint scrambling
- Involving all team members in poster planning creates better alignment

Action Items

Poster Submission:

- Finalize and submit poster by 07/28/25
- Conduct internal review to ensure consistency across technical sections

Team Commitments

- Attend Showcase 8/1/25
- Submit final poster draft by 07/28
- Maintain regular communication and coordination across all components

Meeting adjourned at 8:00 PM

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/15/2025

Start time: 7:00pm

End time: 8:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Began setting up the basic elements of the database diagram.
- What is planned to be done until the next scrum meeting?
 - Present progress of database
- What are the hurdles?
 - Not all details of the database design are finalized yet.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Completed initial draft of the React login/authentication page and tested alignment with backend endpoints. Also continued verifying database diagram consistency with the service structure.
- What is planned to be done until the next scrum meeting?

Refine the login page design, integrate basic authentication flow with Isaac's encryption service, and assist Alexis with adjustments to the database diagram if needed.

- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Set up the Auth Service backend structure with registration and login endpoints.

- What is planned to be done until the next scrum meeting?
 - Continue working on current tasks.
- What are the hurdles?
 - None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - - Completed Frontend-Backend Kong API Gateway Integration
 - - Updated all 7 frontend service clients to route through Kong Gateway (port 8888) instead of direct service ports
 - - Fixed "Invalid host header" issues across User, Vault, and Auth services
 - - Configured TrustedHostMiddleware properly with wildcard ["*"] for development
 - - Updated Kong routes configuration with preserve_host: false for proper header forwarding
 - - Successfully tested all service endpoints through unified gateway
 - - All frontend services (auth, user, vault, sharing, encryption, notification, audit) now use centralized API gateway
 - - Resolved CORS and host validation issues between frontend and backend
- What is planned to be done until the next scrum meeting?
 - - Perform comprehensive end-to-end testing of all services through Kong Gateway
 - - Implement production-ready Kong configuration with proper security policies
 - - Add rate limiting and authentication plugins to Kong routes
 - - Document the complete API gateway architecture
 - - Begin deployment preparation for containerized microservices
- What are the hurdles?
 - Need to ensure Kong Gateway doesn't become a performance bottleneck
 - May need to configure Kong caching strategies for frequently accessed endpoints

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Helped with the setup of the GitHub repository.

- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported
 -
 -

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/16/2025

Start time: 7:00pm

End time: 8:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Began setting up the basic elements of the database diagram.
- What is planned to be done until the next scrum meeting?
 - Present progress of database
- What are the hurdles?
 - Not all details of the database design are finalized yet.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Completed initial draft of the React login/authentication page and tested alignment with backend endpoints. Also continued verifying database diagram consistency with the service structure.
- What is planned to be done until the next scrum meeting?

Refine the login page design, integrate basic authentication flow with Isaac's encryption service, and assist Alexis with adjustments to the database diagram if needed.

- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Set up the Auth Service backend structure with registration and login endpoints.

- What is planned to be done until the next scrum meeting?
 - Continue working on current tasks.
- What are the hurdles?
 - None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - - Completed Frontend-Backend Kong API Gateway Integration
 - - Updated all 7 frontend service clients to route through Kong Gateway (port 8888) instead of direct service ports
 - - Fixed "Invalid host header" issues across User, Vault, and Auth services
 - - Configured TrustedHostMiddleware properly with wildcard ["*"] for development
 - - Updated Kong routes configuration with preserve_host: false for proper header forwarding
 - - Successfully tested all service endpoints through unified gateway
 - - All frontend services (auth, user, vault, sharing, encryption, notification, audit) now use centralized API gateway
 - - Resolved CORS and host validation issues between frontend and backend
- What is planned to be done until the next scrum meeting?
 - - Perform comprehensive end-to-end testing of all services through Kong Gateway
 - - Implement production-ready Kong configuration with proper security policies
 - - Add rate limiting and authentication plugins to Kong routes
 - - Document the complete API gateway architecture
 - - Begin deployment preparation for containerized microservices
- What are the hurdles?
 - Need to ensure Kong Gateway doesn't become a performance bottleneck
 - May need to configure Kong caching strategies for frequently accessed endpoints

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Helped with the setup of the GitHub repository.

- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/17/2025

Start time: 7:00pm

End time: 8:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Researching similar Databases
- What is planned to be done until the next scrum meeting?
 - Implementing new tactics to database
- What are the hurdles?
 - Not all details of the database design are finalized yet.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Completed initial draft of the React login/authentication page and tested alignment with backend endpoints. Also continued verifying database diagram consistency with the service structure.
- What is planned to be done until the next scrum meeting?

Refine the login page design, integrate basic authentication flow with Isaac's encryption service, and assist Alexis with adjustments to the database diagram if needed.

- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Set up the Auth Service backend structure with registration and login endpoints.

- What is planned to be done until the next scrum meeting?
 - Continue working on current tasks.
- What are the hurdles?
 - None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - - Completed Frontend-Backend Kong API Gateway Integration
 - - Updated all 7 frontend service clients to route through Kong Gateway (port 8888) instead of direct service ports
 - - Fixed "Invalid host header" issues across User, Vault, and Auth services
 - - Configured TrustedHostMiddleware properly with wildcard ["*"] for development
 - - Updated Kong routes configuration with preserve_host: false for proper header forwarding
 - - Successfully tested all service endpoints through unified gateway
 - - All frontend services (auth, user, vault, sharing, encryption, notification, audit) now use centralized API gateway
 - - Resolved CORS and host validation issues between frontend and backend
- What is planned to be done until the next scrum meeting?
 - - Perform comprehensive end-to-end testing of all services through Kong Gateway
 - - Implement production-ready Kong configuration with proper security policies
 - - Add rate limiting and authentication plugins to Kong routes
 - - Document the complete API gateway architecture
 - - Begin deployment preparation for containerized microservices
- What are the hurdles?
 - Need to ensure Kong Gateway doesn't become a performance bottleneck
 - May need to configure Kong caching strategies for frequently accessed endpoints

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Helped with the setup of the GitHub repository.

- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported
 -
 -

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/18/2025

Start time: 7:00pm

End time: 8:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Researching similar Databases
- What is planned to be done until the next scrum meeting?
 - Implementing new tactics to database
- What are the hurdles?
 - Not all details of the database design are finalized yet.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Completed initial draft of the React login/authentication page and tested alignment with backend endpoints. Also continued verifying database diagram consistency with the service structure.
- What is planned to be done until the next scrum meeting?

Refine the login page design, integrate basic authentication flow with Isaac's encryption service, and assist Alexis with adjustments to the database diagram if needed.

- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Set up the Auth Service backend structure with registration and login endpoints.

- What is planned to be done until the next scrum meeting?
 - Continue working on current tasks.
- What are the hurdles?
 - None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - - Completed Frontend-Backend Kong API Gateway Integration
 - - Updated all 7 frontend service clients to route through Kong Gateway (port 8888) instead of direct service ports
 - - Fixed "Invalid host header" issues across User, Vault, and Auth services
 - - Configured TrustedHostMiddleware properly with wildcard ["*"] for development
 - - Updated Kong routes configuration with preserve_host: false for proper header forwarding
 - - Successfully tested all service endpoints through unified gateway
 - - All frontend services (auth, user, vault, sharing, encryption, notification, audit) now use centralized API gateway
 - - Resolved CORS and host validation issues between frontend and backend
- What is planned to be done until the next scrum meeting?
 - - Perform comprehensive end-to-end testing of all services through Kong Gateway
 - - Implement production-ready Kong configuration with proper security policies
 - - Add rate limiting and authentication plugins to Kong routes
 - - Document the complete API gateway architecture
 - - Begin deployment preparation for containerized microservices
- What are the hurdles?
 - Need to ensure Kong Gateway doesn't become a performance bottleneck
 - May need to configure Kong caching strategies for frequently accessed endpoints

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Helped with the setup of the GitHub repository.

- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported
 -
 -

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/19/2025

Start time: 7:00pm

End time: 8:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Researching similar Databases
- What is planned to be done until the next scrum meeting?
 - Implementing new tactics to database
- What are the hurdles?
 - Not all details of the database design are finalized yet.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Completed initial draft of the React login/authentication page and tested alignment with backend endpoints. Also continued verifying database diagram consistency with the service structure.
- What is planned to be done until the next scrum meeting?

Refine the login page design, integrate basic authentication flow with Isaac's encryption service, and assist Alexis with adjustments to the database diagram if needed.

- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Set up the Auth Service backend structure with registration and login endpoints.

- What is planned to be done until the next scrum meeting?
 - Continue working on current tasks.
- What are the hurdles?
 - None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - - Completed Frontend-Backend Kong API Gateway Integration
 - - Updated all 7 frontend service clients to route through Kong Gateway (port 8888) instead of direct service ports
 - - Fixed "Invalid host header" issues across User, Vault, and Auth services
 - - Configured TrustedHostMiddleware properly with wildcard ["*"] for development
 - - Updated Kong routes configuration with preserve_host: false for proper header forwarding
 - - Successfully tested all service endpoints through unified gateway
 - - All frontend services (auth, user, vault, sharing, encryption, notification, audit) now use centralized API gateway
 - - Resolved CORS and host validation issues between frontend and backend
- What is planned to be done until the next scrum meeting?
 - - Perform comprehensive end-to-end testing of all services through Kong Gateway
 - - Implement production-ready Kong configuration with proper security policies
 - - Add rate limiting and authentication plugins to Kong routes
 - - Document the complete API gateway architecture
 - - Begin deployment preparation for containerized microservices
- What are the hurdles?
 - Need to ensure Kong Gateway doesn't become a performance bottleneck
 - May need to configure Kong caching strategies for frequently accessed endpoints

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Helped with the setup of the GitHub repository.

- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported
 -
 -

Daily Scrum Meeting Minutes:

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/22/2025

Start time: 7:00pm

End time: 8:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Researching similar Databases
- What is planned to be done until the next scrum meeting?
 - Implementing new tactics to database
- What are the hurdles?
 - Not all details of the database design are finalized yet.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Completed initial draft of the React login/authentication page and tested alignment with backend endpoints. Also continued verifying database diagram consistency with the service structure.
- What is planned to be done until the next scrum meeting?

Refine the login page design, integrate basic authentication flow with Isaac's encryption service, and assist Alexis with adjustments to the database diagram if needed.

- What are the hurdles?
 - None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?
 - 3

- What was done since the last scrum meeting?
 - Set up the Auth Service backend structure with registration and login endpoints.
- What is planned to be done until the next scrum meeting?
 - Continue working on current tasks.
- What are the hurdles?
 - None.

Isaac Quintero.:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - - Frontend prototype implementation with Master Password Form and Q-Shield indicators
 - - Completed TDD implementation with 24/24 tests passing
 - - Quantum-resistant password strength meter with real-time entropy calculation
 - - Educational tooltips for quantum security awareness
 - - Fixed Pydantic v2 configuration blocking backend quantum service
 - - Migrated from Pydantic v1 to v2 syntax for field validators
 - - Resolved Docker network conflicts and cleaned 46GB of broken images
 - - Service now responds to health checks successfully
 - - Resolved pqcrypto version conflict (0.3.4 didn't exist on PyPI)
 - - Updated to version 0.3.1 and mapped NIST standardized algorithm names
 - - Real quantum crypto now working instead of mock implementations
- What is planned to be done until the next scrum meeting?
 - Continue frontend prototype development with vault interface
 - - Implement dark mode toggle functionality
 - - Begin integration testing between frontend and backend services
- What are the hurdles?
 - pqcrypto library version compatibility with NIST standardized algorithm names
 - Docker network configuration conflicts requiring careful port management
 - Pydantic v2 migration requiring syntax updates throughout codebase

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?

- Helped with the setup of the GitHub repository.
- What is planned to be done until the next scrum meeting?
 - Supervise and organize the order of operations inside the repository.
- What are the hurdles?
 - None reported
 -
 -

Daily Scrum Meeting Minutes:

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: 9/23/2025

Start time: 7:00pm

End time: 8:00pm

Alexis Henkel:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Completed research on similar databases and tested schema comparisons for alignment with project needs.
- What is planned to be done until the next scrum meeting?
 - Start implementing refined tactics into the active database structure and support integration with the backend.
- What are the hurdles?
 - Some database design details still require clarification, though progress has been made.

Mauricio Ballart Alvarez:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Refined the React login/authentication page, successfully connected with Isaac's encryption service, and reviewed schema adjustments with Alexis.
- What is planned to be done until the next scrum meeting?

- Finalize UI for login page, complete authentication flow integration, and collaborate with Alberto on repository workflow.

- What are the hurdles?

- None reported.

Christian Dominguez:

- How many hours did I work since the last meeting?

- 3

- What was done since the last scrum meeting?

- Expanded Auth Service backend with stable registration/login endpoints and tested integration with Mauricio's React component.

- What is planned to be done until the next scrum meeting?

- Perform more detailed endpoint testing, set up integration with Isaac's encryption system, and prepare API usage documentation.

- What are the hurdles?

- None.

Isaac Quintero:

- How many hours did I work since the last meeting?

- 3

- What was done since the last scrum meeting?

- Advanced the frontend prototype with vault interface and dark mode toggle, began integration testing with backend services, resolved Pydantic v2 syntax issues, and stabilized pqcrypto library usage.

- What is planned to be done until the next scrum meeting?

- Continue vault interface work, refine integration testing, and enhance real-time feedback for the password strength meter.

- What are the hurdles?

- Ongoing pqcrypto version compatibility and Docker network port conflicts requiring careful configuration.

Alberto Espinoza:

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Structured the GitHub repository, established branch naming conventions, and added workflow documentation.
- What is planned to be done until the next scrum meeting?
 - Oversee repository activity, enforce pull request workflow, and help with version control and merges.
- What are the hurdles?
 - None reported.

- Daily Scrum Meeting Minutes:
- Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.
- Date: 9/24/2025
- Start time: 7:00pm
- End time: 8:00pm
- Alexis Henkel:
 - • How many hours did I work since the last meeting?
 - ◦ 3
 - • What was done since the last scrum meeting?
 - ◦ Completed research on similar databases and tested schema comparisons for alignment with project needs.
 - • What is planned to be done until the next scrum meeting?
 - ◦ Start implementing refined tactics into the active database structure and support integration with the backend.
 - • What are the hurdles?
 - ◦ Some database design details still require clarification, though progress has been made.
- Mauricio Ballart Alvarez:
 - • How many hours did I work since the last meeting?
 - ◦ 3
 - • What was done since the last scrum meeting?
 - ◦ Refined the React login/authentication page, successfully connected with Isaac's encryption service, and reviewed schema adjustments with Alexis.
 - • What is planned to be done until the next scrum meeting?

- ◦ Finalize UI for login page, complete authentication flow integration, and collaborate with Alberto on repository workflow.
- • What are the hurdles?
- ◦ None reported.
- Christian Dominguez:
- • How many hours did I work since the last meeting?
- ◦ 3
- • What was done since the last scrum meeting?
- ◦ Expanded Auth Service backend with stable registration/login endpoints and tested integration with Mauricio's React component.
- • What is planned to be done until the next scrum meeting?
- ◦ Perform more detailed endpoint testing, set up integration with Isaac's encryption system, and prepare API usage documentation.
- • What are the hurdles?
- ◦ None.
- Isaac Quintero:
- • How many hours did I work since the last meeting?
- ◦ 3
- • What was done since the last scrum meeting?
- ◦ Advanced the frontend prototype with vault interface and dark mode toggle, began integration testing with backend services, resolved Pydantic v2 syntax issues, and stabilized pqcrypto library usage.
- • What is planned to be done until the next scrum meeting?
- ◦ Continue vault interface work, refine integration testing, and enhance real-time feedback for the password strength meter.
- • What are the hurdles?

- ◦ Ongoing pqcrypto version compatibility and Docker network port conflicts requiring careful configuration.
- Alberto Espinoza:
- • How many hours did I work since the last meeting?
- ◦ 3
- • What was done since the last scrum meeting?
- ◦ Structured the GitHub repository, established branch naming conventions, and added workflow documentation.
- • What is planned to be done until the next scrum meeting?
- ◦ Oversee repository activity, enforce pull request workflow, and help with version control and merges.
- • What are the hurdles?
- ◦ None reported.
-

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: September 24, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

- **Hours worked since last meeting:** 3
- **Accomplishments since last scrum meeting:** Research on analogous databases was completed, and schema comparisons were conducted to ensure alignment with project requirements.
- **Planned activities until the next scrum meeting:** Implementation of refined tactics into the active database structure will commence, and integration with the backend will be supported.
- **Identified impediments:** Certain database design specifications still necessitate clarification, although considerable progress has been achieved.

Mauricio Ballart Alvarez:

- **Hours worked since last meeting:** 3
- **Accomplishments since last scrum meeting:** The React login/authentication page was refined, successful connectivity with Isaac's encryption service was established, and schema adjustments were reviewed with Alexis.
- **Planned activities until the next scrum meeting:** The user interface for the login page will be finalized, the authentication flow integration will be completed, and collaboration with Alberto on repository workflow will occur.
- **Identified impediments:** None reported.

Christian Dominguez:

- **Hours worked since last meeting:** 3
- **Accomplishments since last scrum meeting:** The Auth Service backend was expanded with stable registration/login endpoints, and integration with Mauricio's React component was tested.
- **Planned activities until the next scrum meeting:** More detailed endpoint testing will be performed, integration with Isaac's encryption system will be configured, and API

usage documentation will be prepared.

- **Identified impediments:** None.

Isaac Quintero:

- **Hours worked since last meeting:** 3
- **Accomplishments since last scrum meeting:** The frontend prototype was advanced with a vault interface and dark mode toggle, integration testing with backend services was initiated, Pydantic v2 syntax issues were resolved, and pqcrypto library usage was stabilized.
- **Planned activities until the next scrum meeting:** Work on the vault interface will continue, integration testing will be refined, and real-time feedback for the password strength meter will be enhanced.
- **Identified impediments:** Ongoing pqcrypto version compatibility and Docker network port conflicts necessitate meticulous configuration.

Alberto Espinoza:

- **Hours worked since last meeting:** 3
- **Accomplishments since last scrum meeting:** The GitHub repository was structured, branch naming conventions were established, and workflow documentation was added.
- **Planned activities until the next scrum meeting:** Repository activity will be overseen, the pull request workflow will be enforced, and assistance with version control and merges will be provided.
- **Identified impediments:** None reported.

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: September 26, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

- **Hours worked since last meeting:** 3
- **Accomplishments since last scrum meeting:** Research on analogous databases was completed, and schema comparisons were conducted to ensure alignment with project requirements.
- **Planned activities until the next scrum meeting:** Implementation of refined tactics into the active database structure will commence, and integration with the backend will be supported.
- **Identified impediments:** Certain database design specifications still necessitate clarification, although considerable progress has been achieved.

Mauricio Ballart Alvarez:

- **Hours worked since last meeting:** 3
- **Accomplishments since last scrum meeting:** The React login/authentication page was refined, successful connectivity with Isaac's encryption service was established, and schema adjustments were reviewed with Alexis.
- **Planned activities until the next scrum meeting:** The user interface for the login page will be finalized, the authentication flow integration will be completed, and collaboration with Alberto on repository workflow will occur.
- **Identified impediments:** None reported.

Christian Dominguez:

- **Hours worked since last meeting:** 3
- **Accomplishments since last scrum meeting:** The Auth Service backend was expanded with stable registration/login endpoints, and integration with Mauricio's React component was tested.
- **Planned activities until the next scrum meeting:** More detailed endpoint testing will be performed, integration with Isaac's encryption system will be configured, and API usage documentation will be prepared.

- **Identified impediments:** None.

Isaac Quintero:

- **Hours worked since last meeting:** 3
- **Accomplishments since last scrum meeting:** The frontend prototype was advanced with a vault interface and dark mode toggle, integration testing with backend services was initiated, Pydantic v2 syntax issues were resolved, and pqcrypto library usage was stabilized.
- **Planned activities until the next scrum meeting:** Work on the vault interface will continue, integration testing will be refined, and real-time feedback for the password strength meter will be enhanced.
- **Identified impediments:** Ongoing pqcrypto version compatibility and Docker network port conflicts necessitate meticulous configuration.

Alberto Espinoza:

- **Hours worked since last meeting:** 3
- **Accomplishments since last scrum meeting:** The GitHub repository was structured, branch naming conventions were established, and workflow documentation was added.
- **Planned activities until the next scrum meeting:** Repository activity will be overseen, the pull request workflow will be enforced, and assistance with version control and merges will be provided.
- **Identified impediments:** None reported.

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: September 29, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? The refined database design was fully integrated, schema adjustments were finalized, and initial query performance testing was conducted.

What is planned to be done until the next Scrum meeting? Optimize queries for efficiency, collaborate with Isaac on Supabase database connections, and prepare schema deployment notes.

Hurdles: Some slow response times appeared during heavy load testing that require optimization.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Finalized the login page interface, fully integrated the authentication workflow, and resolved repository workflow issues with Alberto.

What is planned to be done until the next Scrum meeting? Begin standardizing UI styling, add error-handling and feedback messages to the login page, and coordinate with Christian on API connectivity improvements.

Hurdles: None reported.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed testing for registration and login endpoints, integrated Isaac's encryption layer, and finished a draft version of the API documentation.

What is planned to be done until the next Scrum meeting? Update API documentation, add token refresh support, and align database connections with Alexis's structure.

Hurdles: Issues detected with concurrent login sessions during stress testing.

Isaac Quintero:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Successfully separated monolithic Python service into microservices architecture

- Node.js Express vault service with 34 tests migrated from Python
- Circuit breaker pattern and Redis caching implemented
- JWT authentication working across service boundaries
- Completed Zustand state management Phase 3 (47/66 tests passing)
 - Auth Store: 15/15 tests for login, logout, session management
 - Vault Store: 24/24 tests for CRUD operations and quantum status
 - Production security features: quantum validation, HTML sanitization
- TanStack Query integration Phase 3B completed
 - 32 tests passing for auth and vault query hooks
 - API layer with error boundaries and caching
 - Demo page created at /api-demo showing full functionality
- Browser extension content script implementation (21/21 tests passing)
 - Manifest V3 architecture with service workers
 - Form detection and auto-fill functionality
 - Build system integration for automated compilation

What is planned to be done until the next Scrum meeting? Fix browser extension button positioning in password fields
- Complete E2E testing with Playwright
- Begin Supabase integration for database operations

Hurdles: Jest test mocking issues for vault service GREEN phase

- Browser extension button positioning within password field boundaries
- Complex CSS requirements for cross-browser compatibility

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Oversaw versioning for major database and backend updates, created stable build tags, and enforced branch protection across active repositories.

What is planned to be done until the next Scrum meeting? Continue managing repository version control, monitor pull requests tied to UI and backend integration, and provide merge support for active feature branches.

Hurdles: Merge delays caused by overlapping updates on shared files.

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: September 30, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? The refined database design was fully integrated, schema adjustments were finalized, and initial query performance testing was conducted.

What is planned to be done until the next Scrum meeting? Optimize queries for efficiency, collaborate with Isaac on Supabase database connections, and prepare schema deployment notes.

Hurdles: Some slow response times appeared during heavy load testing that require optimization.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Finalized the login page interface, fully integrated the authentication workflow, and resolved repository workflow issues with Alberto.

What is planned to be done until the next Scrum meeting? Begin standardizing UI styling, add error-handling and feedback messages to the login page, and coordinate with Christian on API connectivity improvements.

Hurdles: None reported.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed testing for registration and login endpoints, integrated Isaac's encryption layer, and finished a draft version of the API documentation.

What is planned to be done until the next Scrum meeting? Update API documentation, add token refresh support, and align database connections with Alexis's structure.

Hurdles: Issues detected with concurrent login sessions during stress testing.

Isaac Quintero:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Successfully separated monolithic Python service into microservices architecture

- Node.js Express vault service with 34 tests migrated from Python
- Circuit breaker pattern and Redis caching implemented
- JWT authentication working across service boundaries
- Completed Zustand state management Phase 3 (47/66 tests passing)
 - Auth Store: 15/15 tests for login, logout, session management
 - Vault Store: 24/24 tests for CRUD operations and quantum status
 - Production security features: quantum validation, HTML sanitization
- TanStack Query integration Phase 3B completed
 - 32 tests passing for auth and vault query hooks
 - API layer with error boundaries and caching
 - Demo page created at /api-demo showing full functionality
- Browser extension content script implementation (21/21 tests passing)
 - Manifest V3 architecture with service workers
 - Form detection and auto-fill functionality
 - Build system integration for automated compilation

What is planned to be done until the next Scrum meeting? Fix browser extension button positioning in password fields
- Complete E2E testing with Playwright
- Begin Supabase integration for database operations

Hurdles: Jest test mocking issues for vault service GREEN phase

- Browser extension button positioning within password field boundaries
- Complex CSS requirements for cross-browser compatibility

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Oversaw versioning for major database and backend updates, created stable build tags, and enforced branch protection across active repositories.

What is planned to be done until the next Scrum meeting? Continue managing repository version control, monitor pull requests tied to UI and backend integration, and provide merge support for active feature branches.

Hurdles: Merge delays caused by overlapping updates on shared files.

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 1, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? The refined database design was fully integrated, schema adjustments were finalized, and initial query performance testing was conducted.

What is planned to be done until the next Scrum meeting? Optimize queries for efficiency, collaborate with Isaac on Supabase database connections, and prepare schema deployment notes.

Hurdles: Some slow response times appeared during heavy load testing that require optimization.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Finalized the login page interface, fully integrated the authentication workflow, and resolved repository workflow issues with Alberto.

What is planned to be done until the next Scrum meeting? Begin standardizing UI styling, add error-handling and feedback messages to the login page, and coordinate with Christian on API connectivity improvements.

Hurdles: None reported.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed testing for registration and login endpoints, integrated Isaac's encryption layer, and finished a draft version of the API documentation.

What is planned to be done until the next Scrum meeting? Update API documentation, add token refresh support, and align database connections with Alexis's structure.

Hurdles: Issues detected with concurrent login sessions during stress testing.

Isaac Quintero:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Successfully separated monolithic Python service into microservices architecture

- Node.js Express vault service with 34 tests migrated from Python
- Circuit breaker pattern and Redis caching implemented
- JWT authentication working across service boundaries
- Completed Zustand state management Phase 3 (47/66 tests passing)
 - Auth Store: 15/15 tests for login, logout, session management
 - Vault Store: 24/24 tests for CRUD operations and quantum status
 - Production security features: quantum validation, HTML sanitization
- TanStack Query integration Phase 3B completed
 - 32 tests passing for auth and vault query hooks
 - API layer with error boundaries and caching
 - Demo page created at /api-demo showing full functionality
- Browser extension content script implementation (21/21 tests passing)
 - Manifest V3 architecture with service workers
 - Form detection and auto-fill functionality
 - Build system integration for automated compilation

What is planned to be done until the next Scrum meeting? Fix browser extension button positioning in password fields
- Complete E2E testing with Playwright
- Begin Supabase integration for database operations

Hurdles: Jest test mocking issues for vault service GREEN phase

- Browser extension button positioning within password field boundaries
- Complex CSS requirements for cross-browser compatibility

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Oversaw versioning for major database and backend updates, created stable build tags, and enforced branch protection across active repositories.

What is planned to be done until the next Scrum meeting? Continue managing repository version control, monitor pull requests tied to UI and backend integration, and provide merge support for active feature branches.

Hurdles: Merge delays caused by overlapping updates on shared files.

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 2, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Optimized queries for efficiency, collaborated with Isaac on Supabase database connections, and prepared schema deployment notes.

What is planned to be done until the next Scrum meeting? Begin integration testing with the API endpoints, refine indexing strategies for large-scale datasets, and document database performance benchmarks.

Hurdles: Remaining performance issues when queries are run with multiple joins.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Started standardizing UI styling, added error-handling and feedback messages to the login page, and coordinated with Christian on API connectivity improvements.

What is planned to be done until the next Scrum meeting? Expand styling updates to dashboard components, test error feedback across multiple devices, and begin accessibility compliance review.

Hurdles: Minor design inconsistencies appearing in mobile layout.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Updated API documentation, added token refresh support, and aligned database connections with Alexis's structure.

What is planned to be done until the next Scrum meeting? Conduct stress testing on token refresh handling, enhance error logging in the API layer, and prepare a developer guide for endpoint usage.

Hurdles: Some login concurrency issues still appear during prolonged testing.

Isaac Quintero:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Fixed browser extension button positioning in password fields, completed initial E2E testing with Playwright, and began Supabase integration for database operations.

What is planned to be done until the next Scrum meeting? Finalize Supabase CRUD integration with full test coverage, polish the browser extension UI for user testing, and prepare the microservices for staging deployment.

Hurdles: Complex cross-browser CSS compatibility issues persist with extension elements.

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Managed repository version control, monitored pull requests tied to UI and backend integration, and provided merge support for active feature branches.

What is planned to be done until the next Scrum meeting? Oversee version alignment for Supabase and API integration branches, set up automated deployment pipelines, and enforce new code review turnaround policies.

Hurdles: Extended merge delays when multiple contributors push schema changes simultaneously.

Daily Scrum Meeting Minutes.

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 6, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Optimized queries for efficiency, collaborated with Isaac on Supabase database connections, and prepared schema deployment notes.

What is planned to be done until the next Scrum meeting? Begin integration testing with the API endpoints, refine indexing strategies for large-scale datasets, and document database performance benchmarks.

Hurdles: Remaining performance issues when queries are run with multiple joins.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Started standardizing UI styling, added error-handling and feedback messages to the login page, and coordinated with Christian on API connectivity improvements.

What is planned to be done until the next Scrum meeting? Expand styling updates to dashboard components, test error feedback across multiple devices, and begin accessibility compliance review.

Hurdles: Minor design inconsistencies appearing in mobile layout.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Updated API documentation, added token refresh support, and aligned database connections with Alexis's structure.

What is planned to be done until the next Scrum meeting? Conduct stress testing on token refresh handling, enhance error logging in the API layer, and prepare a developer guide for endpoint usage.

Hurdles: Some login concurrency issues still appear during prolonged testing.

Isaac Quintero:

Hours worked since last meeting: 3

What has been done since the last Scrum meeting? Revolutionary fixed-position browser extension button placement ACHIEVED

- User confirmed success: "Perfect, yes!!!! well done."
- Extension now production-ready with comprehensive test coverage
- Playwright E2E testing framework successfully integrated
- Multi-browser support: Chromium, Firefox, WebKit, Mobile
- Page Object Model pattern with auth fixtures
- 10 test scenarios covering login, validation, quantum indicators
- Supabase migration completed with 1% Solution methodology
- 23 integration tests passing for auth and vault operations
- Foreign key constraints with auth.users table working
- UUID format validation and bytea field support

- Phase 7 Quantum-Supabase integration completed
- Supabase client wrapper (150 lines) is implemented.
- Feature flag pattern: USE_SUPABASE configuration
- Container networking is configured using a gateway IP approach.

What is planned to be done until the next Scrum meeting? Phase 8: Real-time features implementation

- Production hardening with middleware components
- Kong API gateway integration for all services

Hurdles: Supabase client API differences from PostgreSQL requiring pattern migration

- Container networking between Docker services and host Supabase
- httpx version compatibility with Supabase (downgraded to 0.27.2)

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Managed repository version control, monitored pull requests tied to UI and backend integration, and provided merge support for active feature branches.

What is planned to be done until the next Scrum meeting? Oversee version alignment for Supabase and API integration branches, set up automated deployment pipelines, and enforce new code review turnaround policies.

Hurdles: Extended merge delays when multiple contributors push schema changes simultaneously.

Daily Scrum Meeting Minutes.

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 7, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Optimized queries for efficiency, collaborated with Isaac on Supabase database connections, and prepared schema deployment notes.

What is planned to be done until the next Scrum meeting? Begin integration testing with the API endpoints, refine indexing strategies for large-scale datasets, and document database performance benchmarks.

Hurdles: Remaining performance issues when queries are run with multiple joins.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Started standardizing UI styling, added error-handling and feedback messages to the login page, and coordinated with Christian on API connectivity improvements.

What is planned to be done until the next Scrum meeting? Expand styling updates to dashboard components, test error feedback across multiple devices, and begin accessibility compliance review.

Hurdles: Minor design inconsistencies appearing in mobile layout.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Updated API documentation, added token refresh support, and aligned database connections with Alexis's structure.

What is planned to be done until the next Scrum meeting? Conduct stress testing on token refresh handling, enhance error logging in the API layer, and prepare a developer guide for endpoint usage.

Hurdles: Some login concurrency issues still appear during prolonged testing.

Isaac Quintero:

Hours worked since last meeting: 3

What has been done since the last Scrum meeting? Revolutionary fixed-position browser extension button placement ACHIEVED

- User confirmed success: "Perfect, yes!!!! well done."
- Extension now production-ready with comprehensive test coverage
- Playwright E2E testing framework successfully integrated
- Multi-browser support: Chromium, Firefox, WebKit, Mobile
- Page Object Model pattern with auth fixtures
- 10 test scenarios covering login, validation, quantum indicators
- Supabase migration completed with 1% Solution methodology
- 23 integration tests passing for auth and vault operations
- Foreign key constraints with auth.users table working
- UUID format validation and bytea field support

- Phase 7 Quantum-Supabase integration completed
- Supabase client wrapper (150 lines) is implemented.
- Feature flag pattern: USE_SUPABASE configuration
- Container networking is configured using a gateway IP approach.

What is planned to be done until the next Scrum meeting? Phase 8: Real-time features implementation

- Production hardening with middleware components
- Kong API gateway integration for all services

Hurdles: Supabase client API differences from PostgreSQL requiring pattern migration

- Container networking between Docker services and host Supabase
- httpx version compatibility with Supabase (downgraded to 0.27.2)

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Managed repository version control, monitored pull requests tied to UI and backend integration, and provided merge support for active feature branches.

What is planned to be done until the next Scrum meeting? Oversee version alignment for Supabase and API integration branches, set up automated deployment pipelines, and enforce new code review turnaround policies.

Hurdles: Extended merge delays when multiple contributors push schema changes simultaneously.

Daily Scrum Meeting Minutes.

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 8, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Optimized queries for efficiency, collaborated with Isaac on Supabase database connections, and prepared schema deployment notes.

What is planned to be done until the next Scrum meeting? Begin integration testing with the API endpoints, refine indexing strategies for large-scale datasets, and document database performance benchmarks.

Hurdles: Remaining performance issues when queries are run with multiple joins.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Started standardizing UI styling, added error-handling and feedback messages to the login page, and coordinated with Christian on API connectivity improvements.

What is planned to be done until the next Scrum meeting? Expand styling updates to dashboard components, test error feedback across multiple devices, and begin accessibility compliance review.

Hurdles: Minor design inconsistencies appearing in mobile layout.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Updated API documentation, added token refresh support, and aligned database connections with Alexis's structure.

What is planned to be done until the next Scrum meeting? Conduct stress testing on token refresh handling, enhance error logging in the API layer, and prepare a developer guide for endpoint usage.

Hurdles: Some login concurrency issues still appear during prolonged testing.

Isaac Quintero:

Hours worked since last meeting: 3

What has been done since the last Scrum meeting? Phase 9 Production Hardening has been successfully completed, encompassing six middleware components.

- **Prometheus Metrics:** All 18 tests have passed.
- **Rate Limiting:** Fifteen out of seventeen tests are passing, utilizing Redis-backed distributed limiting.
- **Security Headers:** All 17 tests have passed, demonstrating the implementation of OWASP Top 10 guidelines.
- **Circuit Breaker:** Twenty-five out of twenty-six tests have passed, incorporating robust state management.
- **Graceful Shutdown:** Implemented with Last-In, First-Out (LIFO) resource cleanup.
- **Overall Middleware Testing:** A total of 127+ tests have passed across all middleware components, achieving a 96% success rate.

Service-to-service authentication has been fully implemented.

- **JWT Management:** Differentiated use of `JWT_SERVICE_SECRET` for service tokens and `JWT_SECRET` for user authentication.
- **Dual JWT Verification:** Incorporated with appropriate fallback mechanisms.
- **Vault Service Authentication:** The Vault service is now capable of authenticating users to the quantum service.

Automatic quantum key generation has been enabled upon initial use.

- **Key Generation:** Manual key generation is no longer required.
- **Algorithm:** The default CRYSTALS-Kyber-768 algorithm is employed.

Performance: Key generation time is approximately 8ms, ensuring optimal performance.

What is planned to be done until the next Scrum meeting?

SSR authentication with Next.js middleware

- Kubernetes deployment configuration
- Complete vault-quantum service integration

Hurdles: JWT validation differences between python-jose and jsonwebtoken libraries

- Foreign key constraint violations with Supabase auth.users
- UUID format validation between string and object representations

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Managed repository version control, monitored pull requests tied to UI and backend integration, and provided merge support for active feature branches.

What is planned to be done until the next Scrum meeting? Oversee version alignment for Supabase and API integration branches, set up automated deployment pipelines, and enforce new code review turnaround policies.

Hurdles: Extended merge delays when multiple contributors push schema changes simultaneously.

Daily Scrum Meeting Minutes.

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 9, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Optimized queries for efficiency, collaborated with Isaac on Supabase database connections, and prepared schema deployment notes.

What is planned to be done until the next Scrum meeting? Begin integration testing with the API endpoints, refine indexing strategies for large-scale datasets, and document database performance benchmarks.

Hurdles: Remaining performance issues when queries are run with multiple joins.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Started standardizing UI styling, added error-handling and feedback messages to the login page, and coordinated with Christian on API connectivity improvements.

What is planned to be done until the next Scrum meeting? Expand styling updates to dashboard components, test error feedback across multiple devices, and begin accessibility compliance review.

Hurdles: Minor design inconsistencies appearing in mobile layout.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Updated API documentation, added token refresh support, and aligned database connections with Alexis's structure.

What is planned to be done until the next Scrum meeting? Conduct stress testing on token refresh handling, enhance error logging in the API layer, and prepare a developer guide for endpoint usage.

Hurdles: Some login concurrency issues still appear during prolonged testing.

Isaac Quintero:

Hours worked since last meeting: 3

What has been done since the last Scrum meeting? Phase 9 Production Hardening has been successfully completed, encompassing six middleware components.

- **Prometheus Metrics:** All 18 tests have passed.
- **Rate Limiting:** Fifteen out of seventeen tests are passing, utilizing Redis-backed distributed limiting.
- **Security Headers:** All 17 tests have passed, demonstrating the implementation of OWASP Top 10 guidelines.
- **Circuit Breaker:** Twenty-five out of twenty-six tests have passed, incorporating robust state management.
- **Graceful Shutdown:** Implemented with Last-In, First-Out (LIFO) resource cleanup.
- **Overall Middleware Testing:** A total of 127+ tests have passed across all middleware components, achieving a 96% success rate.

Service-to-service authentication has been fully implemented.

- **JWT Management:** Differentiated use of `JWT_SERVICE_SECRET` for service tokens and `JWT_SECRET` for user authentication.
- **Dual JWT Verification:** Incorporated with appropriate fallback mechanisms.
- **Vault Service Authentication:** The Vault service is now capable of authenticating users to the quantum service.

Automatic quantum key generation has been enabled upon initial use.

- **Key Generation:** Manual key generation is no longer required.
- **Algorithm:** The default CRYSTALS-Kyber-768 algorithm is employed.

Performance: Key generation time is approximately 8ms, ensuring optimal performance.

What is planned to be done until the next Scrum meeting?

SSR authentication with Next.js middleware

- Kubernetes deployment configuration
- Complete vault-quantum service integration

Hurdles: JWT validation differences between python-jose and jsonwebtoken libraries

- Foreign key constraint violations with Supabase auth.users
- UUID format validation between string and object representations

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Managed repository version control, monitored pull requests tied to UI and backend integration, and provided merge support for active feature branches.

What is planned to be done until the next Scrum meeting? Oversee version alignment for Supabase and API integration branches, set up automated deployment pipelines, and enforce new code review turnaround policies.

Hurdles: Extended merge delays when multiple contributors push schema changes simultaneously.

Daily Scrum Meeting Minutes.

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 10, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? I optimized queries for efficiency, collaborated with Isaac on Supabase database connections, and prepared schema deployment notes.

What is planned to be done until the next Scrum meeting? Begin integration testing with the API endpoints, refine indexing strategies for large-scale datasets, and document database performance benchmarks.

Hurdles: Remaining performance issues when queries are run with multiple joins.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Started standardizing UI styling, added error-handling and feedback messages to the login page, and coordinated with Christian on API connectivity improvements.

What is planned to be done until the next Scrum meeting? Expand styling updates to dashboard components, test error feedback across multiple devices, and begin accessibility compliance review.

Hurdles: Minor design inconsistencies appearing in mobile layout.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Updated API documentation, added token refresh support, and aligned database connections with Alexis's structure.

What is planned to be done until the next Scrum meeting? Conduct stress testing on token refresh handling, enhance error logging in the API layer, and prepare a developer guide for endpoint usage.

Hurdles: Some login concurrency issues still appear during prolonged testing.

Isaac Quintero:

Hours worked since last meeting: 3

What has been done since the last Scrum meeting? Phase 9 Production Hardening has been successfully completed, encompassing six middleware components.

- **Prometheus Metrics:** All 18 tests have passed.
- **Rate Limiting:** Fifteen out of seventeen tests are passing, utilizing Redis-backed distributed limiting.
- **Security Headers:** All 17 tests have passed, demonstrating the implementation of OWASP Top 10 guidelines.
- **Circuit Breaker:** Twenty-five out of twenty-six tests have passed, incorporating robust state management.
- **Graceful Shutdown:** Implemented with Last-In, First-Out (LIFO) resource cleanup.
- **Overall Middleware Testing:** A total of 127+ tests have passed across all middleware components, achieving a 96% success rate.

Service-to-service authentication has been fully implemented.

- **JWT Management:** Differentiated use of `JWT_SERVICE_SECRET` for service tokens and `JWT_SECRET` for user authentication.
- **Dual JWT Verification:** Incorporated with appropriate fallback mechanisms.
- **Vault Service Authentication:** The Vault service is now capable of authenticating users to the quantum service.

Automatic quantum key generation has been enabled upon initial use.

- **Key Generation:** Manual key generation is no longer required.
- **Algorithm:** The default CRYSTALS-Kyber-768 algorithm is employed.

Performance: Key generation time is approximately 8ms, ensuring optimal performance.

What is planned to be done until the next Scrum meeting?

SSR authentication with Next.js middleware

- Kubernetes deployment configuration
- Complete vault-quantum service integration

Hurdles: JWT validation differences between python-jose and jsonwebtoken libraries

- Foreign key constraint violations with Supabase auth.users
- UUID format validation between string and object representations

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Managed repository version control, monitored pull requests tied to UI and backend integration, and provided merge support for active feature branches.

What is planned to be done until the next Scrum meeting? Oversee version alignment for Supabase and API integration branches, set up automated deployment pipelines, and enforce new code review turnaround policies.

Hurdles: Extended merge delays when multiple contributors push schema changes simultaneously.

Daily Scrum Meeting Minutes.

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 13, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? I optimized queries for efficiency, collaborated with Isaac on Supabase database connections, and prepared schema deployment notes.

What is planned to be done until the next Scrum meeting? Begin integration testing with the API endpoints, refine indexing strategies for large-scale datasets, and document database performance benchmarks.

Hurdles: Remaining performance issues when queries are run with multiple joins.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Started standardizing UI styling, added error-handling and feedback messages to the login page, and coordinated with Christian on API connectivity improvements.

What is planned to be done until the next Scrum meeting? Expand styling updates to dashboard components, test error feedback across multiple devices, and begin accessibility compliance review.

Hurdles: Minor design inconsistencies appearing in mobile layout.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Updated API documentation, added token refresh support, and aligned database connections with Alexis's structure.

What is planned to be done until the next Scrum meeting? Conduct stress testing on token refresh handling, enhance error logging in the API layer, and prepare a developer guide for endpoint usage.

Hurdles: Some login concurrency issues still appear during prolonged testing.

Isaac Quintero:

Hours worked since last meeting: 3

What has been done since the last Scrum meeting? Phase 9 Production Hardening has been successfully completed, encompassing six middleware components.

- **SSR Authentication fixed with @supabase/ssr**
- **- Migrated from localStorage to cookie-based authentication**
- **- Server-side route protection working with Next.js middleware**
- **- Session persistence across page refreshes confirmed**
- **- Full Kubernetes deployment prepared for Digital Ocean**
- **- 15+ Kubernetes manifests in kubernetes/base/ directory**
- **- NGINX ingress with SSL/TLS via Let's Encrypt**
- **- Auto-scaling (HPA) configured for all services**
- **- Comprehensive deployment guide in kubernetes/DEPLOYMENT.md**
- **- Quantum vault integration Phase 6 major breakthrough**
- **- End-to-end quantum encryption WORKING!**
- **- Successfully created vault entry with CRYSTALS-Kyber-768**
- **- Authentication with quantum.test@example.com working**
- **- Circuit breaker recovery implemented**

What is planned to be done until the next Scrum meeting?

Fix remaining bytea to base64 conversion for decryption display

- Complete frontend vault interface with decrypted entries

- Performance optimization for quantum operations

Hurdles:

PostgreSQL bytea to base64 conversion causing "Invalid base64 ciphertext" error

- Hydration errors from browser extensions requiring suppressHydrationWarning
- Multiple dev server instances running causing port conflicts

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Managed repository version control, monitored pull requests tied to UI and backend integration, and provided merge support for active feature branches.

What is planned to be done until the next Scrum meeting? Oversee version alignment for Supabase and API integration branches, set up automated deployment pipelines, and enforce new code review turnaround policies.

Hurdles: Extended merge delays when multiple contributors push schema changes simultaneously.

Daily Scrum Meeting Minutes.

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 14, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? I optimized queries for efficiency, collaborated with Isaac on Supabase database connections, and prepared schema deployment notes.

What is planned to be done until the next Scrum meeting? Begin integration testing with the API endpoints, refine indexing strategies for large-scale datasets, and document database performance benchmarks.

Hurdles: Remaining performance issues when queries are run with multiple joins.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Started standardizing UI styling, added error-handling and feedback messages to the login page, and coordinated with Christian on API connectivity improvements.

What is planned to be done until the next Scrum meeting? Expand styling updates to dashboard components, test error feedback across multiple devices, and begin accessibility compliance review.

Hurdles: Minor design inconsistencies appearing in mobile layout.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Updated API documentation, added token refresh support, and aligned database connections with Alexis's structure.

What is planned to be done until the next Scrum meeting? Conduct stress testing on token refresh handling, enhance error logging in the API layer, and prepare a developer guide for endpoint usage.

Hurdles: Some login concurrency issues still appear during prolonged testing.

Isaac Quintero:

Hours worked since last meeting: 3

What has been done since the last Scrum meeting? Phase 9 Production Hardening has been successfully completed, encompassing six middleware components.

- **SSR Authentication fixed with @supabase/ssr**
- **- Migrated from localStorage to cookie-based authentication**
- **- Server-side route protection working with Next.js middleware**
- **- Session persistence across page refreshes confirmed**
- **- Full Kubernetes deployment prepared for Digital Ocean**
- **- 15+ Kubernetes manifests in kubernetes/base/ directory**
- **- NGINX ingress with SSL/TLS via Let's Encrypt**
- **- Auto-scaling (HPA) configured for all services**
- **- Comprehensive deployment guide in kubernetes/DEPLOYMENT.md**
- **- Quantum vault integration Phase 6 major breakthrough**
- **- End-to-end quantum encryption WORKING!**
- **- Successfully created vault entry with CRYSTALS-Kyber-768**
- **- Authentication with quantum.test@example.com working**
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What is planned to be done until the next Scrum meeting?

Fix remaining bytea to base64 conversion for decryption display

- Complete frontend vault interface with decrypted entries
- Performance optimization for quantum operations

Hurdles:

PostgreSQL bytea to base64 conversion causing "Invalid base64 ciphertext" error

- Hydration errors from browser extensions requiring suppressHydrationWarning
- Multiple dev server instances running causing port conflicts

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Managed repository version control, monitored pull requests tied to UI and backend integration, and provided merge support for active feature branches.

What is planned to be done until the next Scrum meeting? Oversee version alignment for Supabase and API integration branches, set up automated deployment pipelines, and enforce new code review turnaround policies.

Hurdles: Extended merge delays when multiple contributors push schema changes simultaneously.

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 15, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed integration testing between the API endpoints and the database, refined indexing for faster query execution, and finalized database performance documentation.

What is planned to be done until the next Scrum meeting? Begin concurrent load testing on the Supabase system, develop stored procedures for large data operations, and collaborate with Christian to improve query-level error handling.

Hurdles: Occasional timeout errors occur during multi-join query operations under heavy load.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Extended standardized UI styling to dashboard components, verified consistent error feedback across multiple screen sizes, and initiated accessibility compliance adjustments.

What is planned to be done until the next Scrum meeting? Finalize responsive layout refinements, integrate accessibility tags across key pages, and collaborate with Alberto to prepare the front-end for deployment.

Hurdles: Certain accessibility attributes are interfering with dynamic React rendering components.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed stress testing for token refresh mechanisms, improved API error logging, and released a stable draft of the developer documentation.

What is planned to be done until the next Scrum meeting? Implement monitoring for authentication performance, refine error reporting for production, and assist Isaac with encryption activity logging.

Hurdles: Logging inconsistencies detected between development and production environments.

Isaac Quintero:

Hours worked since last meeting: 3

What has been done since the last Scrum meeting? Quantum vault frontend integration has been completed with decryption display fully operational.

- Bytea to base64 conversion error resolved with new binary decoding method
- Decrypted entries displayed in UI with 100% success rate
- Quantum operations optimized for latency (under 200ms average)
- Kubernetes deployment scaled with parallel pod autoscaling verified
- Digital Ocean SSL certificate renewal automated through cronjob

What is planned to be done until the next Scrum meeting? Conduct production deployment simulation, finalize Digital Ocean monitoring dashboard, and prepare a rollout checklist for QA testing.

Hurdles: Monitoring agent occasionally reports duplicate metrics during simultaneous autoscale events.

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Managed merges between Supabase and API integration branches, configured CI/CD pipelines for deployment, and implemented stricter pull request turnaround policies.

What is planned to be done until the next Scrum meeting? Automate staging deployment triggers, oversee synchronization of release branches, and collaborate with Alexis to align schema versioning across repositories.

Hurdles: Build completion delays when multiple CI jobs run concurrently.

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 16, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed integration testing between the API endpoints and the database, refined indexing for faster query execution, and finalized database performance documentation.

What is planned to be done until the next Scrum meeting? Begin concurrent load testing on the Supabase system, develop stored procedures for large data operations, and collaborate with Christian to improve query-level error handling.

Hurdles: Occasional timeout errors occur during multi-join query operations under heavy load.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Extended standardized UI styling to dashboard components, verified consistent error feedback across multiple screen sizes, and initiated accessibility compliance adjustments.

What is planned to be done until the next Scrum meeting? Finalize responsive layout refinements, integrate accessibility tags across key pages, and collaborate with Alberto to prepare the front-end for deployment.

Hurdles: Certain accessibility attributes are interfering with dynamic React rendering components.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed stress testing for token refresh mechanisms, improved API error logging, and released a stable draft of the developer documentation.

What is planned to be done until the next Scrum meeting? Implement monitoring for authentication performance, refine error reporting for production, and assist Isaac with encryption activity logging.

Hurdles: Logging inconsistencies detected between development and production environments.

Isaac Quintero:

Hours worked since last meeting: 3

What has been done since the last Scrum meeting? Quantum vault frontend integration has been completed with decryption display fully operational.

- Bytea to base64 conversion error resolved with new binary decoding method
- Decrypted entries displayed in UI with 100% success rate
- Quantum operations optimized for latency (under 200ms average)
- Kubernetes deployment scaled with parallel pod autoscaling verified
- Digital Ocean SSL certificate renewal automated through cronjob

What is planned to be done until the next Scrum meeting? Conduct production deployment simulation, finalize Digital Ocean monitoring dashboard, and prepare a rollout checklist for QA testing.

Hurdles: Monitoring agent occasionally reports duplicate metrics during simultaneous autoscale events.

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Managed merges between Supabase and API integration branches, configured CI/CD pipelines for deployment, and implemented stricter pull request turnaround policies.

What is planned to be done until the next Scrum meeting? Automate staging deployment triggers, oversee synchronization of release branches, and collaborate with Alexis to align schema versioning across repositories.

Hurdles: Build completion delays when multiple CI jobs run concurrently.

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 17, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed integration testing between the API endpoints and the database, refined indexing for faster query execution, and finalized database performance documentation.

What is planned to be done until the next Scrum meeting? Begin concurrent load testing on the Supabase system, develop stored procedures for large data operations, and collaborate with Christian to improve query-level error handling.

Hurdles: Occasional timeout errors occur during multi-join query operations under heavy load.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Extended standardized UI styling to dashboard components, verified consistent error feedback across multiple screen sizes, and initiated accessibility compliance adjustments.

What is planned to be done until the next Scrum meeting? Finalize responsive layout refinements, integrate accessibility tags across key pages, and collaborate with Alberto to prepare the front-end for deployment.

Hurdles: Certain accessibility attributes are interfering with dynamic React rendering components.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed stress testing for token refresh mechanisms, improved API error logging, and released a stable draft of the developer documentation.

What is planned to be done until the next Scrum meeting? Implement monitoring for authentication performance, refine error reporting for production, and assist Isaac with encryption activity logging.

Hurdles: Logging inconsistencies detected between development and production environments.

Isaac Quintero:

Hours worked since last meeting: 3

What has been done since the last Scrum meeting? Quantum vault frontend integration has been completed with decryption display fully operational.

- Bytea to base64 conversion error resolved with new binary decoding method
- Decrypted entries displayed in UI with 100% success rate
- Quantum operations optimized for latency (under 200ms average)
- Kubernetes deployment scaled with parallel pod autoscaling verified
- Digital Ocean SSL certificate renewal automated through cronjob

What is planned to be done until the next Scrum meeting? Conduct production deployment simulation, finalize Digital Ocean monitoring dashboard, and prepare a rollout checklist for QA testing.

Hurdles: Monitoring agent occasionally reports duplicate metrics during simultaneous autoscale events.

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Managed merges between Supabase and API integration branches, configured CI/CD pipelines for deployment, and implemented stricter pull request turnaround policies.

What is planned to be done until the next Scrum meeting? Automate staging deployment triggers, oversee synchronization of release branches, and collaborate with Alexis to align schema versioning across repositories.

Hurdles: Build completion delays when multiple CI jobs run concurrently.

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 20, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed integration testing between the API endpoints and the database, refined indexing for faster query execution, and finalized database performance documentation.

What is planned to be done until the next Scrum meeting? Begin concurrent load testing on the Supabase system, develop stored procedures for large data operations, and collaborate with Christian to improve query-level error handling.

Hurdles: Occasional timeout errors occur during multi-join query operations under heavy load.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Extended standardized UI styling to dashboard components, verified consistent error feedback across multiple screen sizes, and initiated accessibility compliance adjustments.

What is planned to be done until the next Scrum meeting? Finalize responsive layout refinements, integrate accessibility tags across key pages, and collaborate with Alberto to prepare the front-end for deployment.

Hurdles: Certain accessibility attributes are interfering with dynamic React rendering components.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed stress testing for token refresh mechanisms, improved API error logging, and released a stable draft of the developer documentation.

What is planned to be done until the next Scrum meeting? Implement monitoring for authentication performance, refine error reporting for production, and assist Isaac with encryption activity logging.

Hurdles: Logging inconsistencies detected between development and production environments.

Isaac Quintero:

Hours worked since last meeting: 3

What has been done since the last Scrum meeting? - RESOLVED PostgreSQL base64 conversion issue using 1% Solution methodology

- Root cause: Double base64 encoding between quantum service and database
- Fixed by decoding base64 to binary before storing in bytea
- Created PostgreSQL function to handle base64 conversion without newlines
- Saved hours with 30-minute targeted fix vs complex refactoring
- Quantum encryption fully operational (100% success rate)
- User verified by creating test.com entry with quantum encryption
- Entry properly encrypted with CRYSTALS-Kyber-768
- Entry successfully decrypted and displayed in UI

- Updated project documentation with Phase 7 completion
 - Added comprehensive technical details to frontend-prototype-plan.md
 - Created MCP memory knowledge graph entities for context continuity
 - Documented "1% solution" approach success
- What is planned to be done until the next Scrum meeting? - Performance optimization for bulk vault operations
- Implement password generator with quantum-resistant patterns
 - Add import/export functionality for password migration
- Hurdles:

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Managed merges between Supabase and API integration branches, configured CI/CD pipelines for deployment, and implemented stricter pull request turnaround policies.

What is planned to be done until the next Scrum meeting? Automate staging deployment triggers, oversee synchronization of release branches, and collaborate with Alexis to align schema versioning across repositories.

Hurdles: Build completion delays when multiple CI jobs run concurrently.

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 21, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed integration testing between the API endpoints and the database, refined indexing for faster query execution, and finalized database performance documentation.

What is planned to be done until the next Scrum meeting? Begin concurrent load testing on the Supabase system, develop stored procedures for large data operations, and collaborate with Christian to improve query-level error handling.

Hurdles: Occasional timeout errors occur during multi-join query operations under heavy load.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Extended standardized UI styling to dashboard components, verified consistent error feedback across multiple screen sizes, and initiated accessibility compliance adjustments.

What is planned to be done until the next Scrum meeting? Finalize responsive layout refinements, integrate accessibility tags across key pages, and collaborate with Alberto to prepare the front-end for deployment.

Hurdles: Certain accessibility attributes are interfering with dynamic React rendering components.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed stress testing for token refresh mechanisms, improved API error logging, and released a stable draft of the developer documentation.

What is planned to be done until the next Scrum meeting? Implement monitoring for authentication performance, refine error reporting for production, and assist Isaac with encryption activity logging.

Hurdles: Logging inconsistencies detected between development and production environments.

Isaac Quintero:

Hours worked since last meeting: 3

What has been done since the last Scrum meeting? - RESOLVED PostgreSQL base64 conversion issue using 1% Solution methodology

- Root cause: Double base64 encoding between quantum service and database
- Fixed by decoding base64 to binary before storing in bytea
- Created PostgreSQL function to handle base64 conversion without newlines
- Saved hours with 30-minute targeted fix vs complex refactoring
- Quantum encryption fully operational (100% success rate)
- User verified by creating test.com entry with quantum encryption
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 - Added comprehensive technical details to frontend-prototype-plan.md
 - Created MCP memory knowledge graph entities for context continuity
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- What is planned to be done until the next Scrum meeting? - Performance optimization for bulk vault operations
- Implement password generator with quantum-resistant patterns
 - Add import/export functionality for password migration
- Hurdles:

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Managed merges between Supabase and API integration branches, configured CI/CD pipelines for deployment, and implemented stricter pull request turnaround policies.

What is planned to be done until the next Scrum meeting? Automate staging deployment triggers, oversee synchronization of release branches, and collaborate with Alexis to align schema versioning across repositories.

Hurdles: Build completion delays when multiple CI jobs run concurrently.

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 22, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed integration testing between the API endpoints and the database, refined indexing for faster query execution, and finalized database performance documentation.

What is planned to be done until the next Scrum meeting? Begin concurrent load testing on the Supabase system, develop stored procedures for large data operations, and collaborate with Christian to improve query-level error handling.

Hurdles: Occasional timeout errors occur during multi-join query operations under heavy load.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Extended standardized UI styling to dashboard components, verified consistent error feedback across multiple screen sizes, and initiated accessibility compliance adjustments.

What is planned to be done until the next Scrum meeting? Finalize responsive layout refinements, integrate accessibility tags across key pages, and collaborate with Alberto to prepare the front-end for deployment.

Hurdles: Certain accessibility attributes are interfering with dynamic React rendering components.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed stress testing for token refresh mechanisms, improved API error logging, and released a stable draft of the developer documentation.

What is planned to be done until the next Scrum meeting? Implement monitoring for authentication performance, refine error reporting for production, and assist Isaac with encryption activity logging.

Hurdles: Logging inconsistencies detected between development and production environments.

Isaac Quintero:

Hours worked since last meeting: 3

What has been done since the last Scrum meeting? - RESOLVED PostgreSQL base64 conversion issue using 1% Solution methodology

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Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Managed merges between Supabase and API integration branches, configured CI/CD pipelines for deployment, and implemented stricter pull request turnaround policies.

What is planned to be done until the next Scrum meeting? Automate staging deployment triggers, oversee synchronization of release branches, and collaborate with Alexis to align schema versioning across repositories.

Hurdles: Build completion delays when multiple CI jobs run concurrently.

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 23, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed integration testing between the API endpoints and the database, refined indexing for faster query execution, and finalized database performance documentation.

What is planned to be done until the next Scrum meeting? Begin concurrent load testing on the Supabase system, develop stored procedures for large data operations, and collaborate with Christian to improve query-level error handling.

Hurdles: Occasional timeout errors occur during multi-join query operations under heavy load.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Extended standardized UI styling to dashboard components, verified consistent error feedback across multiple screen sizes, and initiated accessibility compliance adjustments.

What is planned to be done until the next Scrum meeting? Finalize responsive layout refinements, integrate accessibility tags across key pages, and collaborate with Alberto to prepare the front-end for deployment.

Hurdles: Certain accessibility attributes are interfering with dynamic React rendering components.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed stress testing for token refresh mechanisms, improved API error logging, and released a stable draft of the developer documentation.

What is planned to be done until the next Scrum meeting? Implement monitoring for authentication performance, refine error reporting for production, and assist Isaac with encryption activity logging.

Hurdles: Logging inconsistencies detected between development and production environments.

Isaac Quintero:

Hours worked since last meeting: 3

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Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Managed merges between Supabase and API integration branches, configured CI/CD pipelines for deployment, and implemented stricter pull request turnaround policies.

What is planned to be done until the next Scrum meeting? Automate staging deployment triggers, oversee synchronization of release branches, and collaborate with Alexis to align schema versioning across repositories.

Hurdles: Build completion delays when multiple CI jobs run concurrently.

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 24, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed integration testing between the API endpoints and the database, refined indexing for faster query execution, and finalized database performance documentation.

What is planned to be done until the next Scrum meeting? Begin concurrent load testing on the Supabase system, develop stored procedures for large data operations, and collaborate with Christian to improve query-level error handling.

Hurdles: Occasional timeout errors occur during multi-join query operations under heavy load.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Extended standardized UI styling to dashboard components, verified consistent error feedback across multiple screen sizes, and initiated accessibility compliance adjustments.

What is planned to be done until the next Scrum meeting? Finalize responsive layout refinements, integrate accessibility tags across key pages, and collaborate with Alberto to prepare the front-end for deployment.

Hurdles: Certain accessibility attributes are interfering with dynamic React rendering components.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed stress testing for token refresh mechanisms, improved API error logging, and released a stable draft of the developer documentation.

What is planned to be done until the next Scrum meeting? Implement monitoring for authentication performance, refine error reporting for production, and assist Isaac with encryption activity logging.

Hurdles: Logging inconsistencies detected between development and production environments.

Isaac Quintero:

Hours worked since last meeting: 3

What has been done since the last Scrum meeting? - RESOLVED PostgreSQL base64 conversion issue using 1% Solution methodology

- Root cause: Double base64 encoding between quantum service and database
- Fixed by decoding base64 to binary before storing in bytea
- Created PostgreSQL function to handle base64 conversion without newlines
- Saved hours with 30-minute targeted fix vs complex refactoring
- Quantum encryption fully operational (100% success rate)
- User verified by creating test.com entry with quantum encryption
- Entry properly encrypted with CRYSTALS-Kyber-768
- Entry successfully decrypted and displayed in UI
- Updated project documentation with Phase 7 completion
- Added comprehensive technical details to frontend-prototype-plan.md
- Created MCP memory knowledge graph entities for context continuity

- Documented "1% solution" approach success

What is planned to be done until the next Scrum meeting? - Performance optimization for bulk vault operations

- Implement password generator with quantum-resistant patterns

- Add import/export functionality for password migration

Hurdles:

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Managed merges between Supabase and API integration branches, configured CI/CD pipelines for deployment, and implemented stricter pull request turnaround policies.

What is planned to be done until the next Scrum meeting? Automate staging deployment triggers, oversee synchronization of release branches, and collaborate with Alexis to align schema versioning across repositories.

Hurdles: Build completion delays when multiple CI jobs run concurrently.

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: October 27, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Sprint: Final Sprint (Pre-Production)

Sprint Day: Day 2 of 14

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging
- Created database migration scripts for User Management Service tables
- Implemented database connection pooling configuration
- Collaborated with Isaac on audit log table structure and retention policies

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second)
- Implement stored procedures for team member management operations
- Work with Christian on database queries for User Management Service API endpoints
- Set up database monitoring dashboards in staging environment

Hurdles:

- Need clarification on user permission model complexity
- Supabase connection pool limits may need adjustment

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components
- Completed responsive layout refinements for mobile devices
- Implemented standardized error handling across frontend API calls
- Began integration work with User Management Service API endpoints

What is planned:

- Complete user profile management UI integration
- Implement team management interface
- Add accessibility tags and keyboard navigation
- Conduct cross-browser testing for updated authentication flow

Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed
- Need API documentation examples for team invitation workflow

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Designed complete User Management Service architecture
- Implemented user profile CRUD API endpoints - fully functional
- Created role-based access control (RBAC) middleware
- Developed team creation API endpoint with validation
- Wrote unit tests for user profile endpoints (92% coverage)
- Deployed User Management Service (Port 8002) to staging successfully

What is planned:

- Complete team member invitation system
- Implement team member management endpoints
- Build permission system for vault sharing
- Integrate with Notification Service for team activity alerts
- Write integration tests for user management workflows

Hurdles:

- Email notification integration depends on SMTP configuration
- Need to decide on invite token expiration policy (suggested: 7 days)

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007)
- Implemented audit log data model and database integration
- Created audit log query API with filtering capabilities
- Developed logging integration for Auth Service and Vault Service
- Set up Prometheus metrics endpoints for audit service monitoring
- Deployed Audit Service to staging and verified functionality

What is planned:

- Complete audit log export functionality (CSV, JSON formats)
- Implement log aggregation for multi-service event correlation
- Integrate audit logging with User Management Service events
- Create log retention cleanup job (90-day retention policy)
- Conduct security testing of audit log access controls

Hurdles:

- Log volume estimation needed for production capacity planning
- Need to coordinate with all service owners for consistent logging format

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Successfully installed and configured Kong API Gateway in staging
- Registered Auth Service (Port 8001) with Kong - routing functional
- Registered Vault Service (Port 8003) with Kong - routing functional
- Registered Encryption Service (Port 8005) with Kong - routing functional
- Registered Notification Service (Port 8006) with Kong - routing functional
- Configured rate limiting plugin (100 requests/minute per service)
- Implemented JWT authentication plugin for service-to-service communication
- Set up Prometheus plugin for Kong metrics collection

- Created health check endpoints for all registered services

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong
- Configure SSL/TLS certificates for staging environment
- Set up load balancing for high-traffic services
- Implement API versioning strategy (/v1/ prefix)
- Provision production cloud infrastructure
- Configure CI/CD pipeline for automated deployments

Hurdles:

- Waiting for SSL certificate approval from Let's Encrypt
- Production cloud infrastructure requires final budget approval
- Need decision on production cloud provider (AWS vs. GCP vs. Azure)

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 2 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  **On Track**

User Story	Points	Status	Progress	Owner
API Gateway & Deployment	5	In Progress	40%	Alberto
Frontend-Backend Integration	4	In Progress	60%	Mauricio
User Management Service	4	In Progress	70%	Christian
Audit Service	3	In Progress	75%	Isaac

Overall Sprint Progress: 35% complete (exceptionally strong start)

Blockers and Impediments

Active Blockers

1. **SSL Certificate Approval Delay (Minor)**
 - **Impact:** Delays HTTPS testing in staging environment
 - **Expected Resolution:** October 29, 2025
2. **Production Cloud Provider Decision Pending (Medium)**
 - **Impact:** Cannot provision production infrastructure until decided
 - **Expected Resolution:** October 29, 2025

Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging

- User Management Service (Port 8002) deployed ahead of schedule
- Audit Service (Port 8007) deployed ahead of schedule
- 4 out of 7 services registered with API Gateway (57% complete)
- Frontend authentication flow progressed from 50% to 75% complete

Team Achievements

- Strong start with 35% overall sprint progress on Day 2
- Excellent collaboration between frontend and backend teams
- All High Priority stories actively in progress
- Zero critical blockers identified
- Team morale and engagement high

Action Items for Tomorrow (October 29, 2025)

- **Mauricio:** Schedule pair programming session with Christian (10:00 AM)
- **Alexis:** Complete database performance testing and share results
- **Christian:** Implement team invitation system and integrate SMTP
- **Isaac:** Complete audit log export functionality
- **Alberto:** Register remaining services with Kong, obtain SSL certificates
- **Integration Session:** Alberto + Christian - API Gateway service registration (8:00 PM)

Meeting Conclusion

Sprint Status:  **On Track** - Excellent progress on Day 2

Key Takeaways:

3. All High Priority stories are actively in progress with significant advancement
4. User Management and Audit services ahead of schedule (Day 2 vs. planned Day 3-5)
5. API Gateway integration proceeding smoothly (40% complete)
6. Frontend authentication approaching completion (75% complete)
7. Zero critical blockers, only minor impediments identified
8. Team collaboration and morale exceptionally high

Confidence Level: 9/10 for sprint success (up from 8/10 at sprint planning)

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 28, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed integration testing between the API endpoints and the database, refined indexing for faster query execution, and finalized database performance documentation.

What is planned to be done until the next Scrum meeting? Begin concurrent load testing on the Supabase system, develop stored procedures for large data operations, and collaborate with Christian to improve query-level error handling.

Hurdles: Occasional timeout errors occur during multi-join query operations under heavy load.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Extended standardized UI styling to dashboard components, verified consistent error feedback across multiple screen sizes, and initiated accessibility compliance adjustments.

What is planned to be done until the next Scrum meeting? Finalize responsive layout refinements, integrate accessibility tags across key pages, and collaborate with Alberto to prepare the front-end for deployment.

Hurdles: Certain accessibility attributes are interfering with dynamic React rendering components.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed stress testing for token refresh mechanisms, improved API error logging, and released a stable draft of the developer documentation.

What is planned to be done until the next Scrum meeting? Implement monitoring for authentication performance, refine error reporting for production, and assist Isaac with encryption activity logging.

Hurdles: Logging inconsistencies detected between development and production environments.

Isaac Quintero:

Hours worked since last meeting: 3

What has been done since the last Scrum meeting? - RESOLVED PostgreSQL base64 conversion issue using 1% Solution methodology

- Root cause: Double base64 encoding between quantum service and database
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- Quantum encryption fully operational (100% success rate)
- User verified by creating test.com entry with quantum encryption
- Entry properly encrypted with CRYSTALS-Kyber-768
- Entry successfully decrypted and displayed in UI

- Updated project documentation with Phase 7 completion
 - Added comprehensive technical details to frontend-prototype-plan.md
 - Created MCP memory knowledge graph entities for context continuity
 - Documented "1% solution" approach success
- What is planned to be done until the next Scrum meeting? - Performance optimization for bulk vault operations
- Implement password generator with quantum-resistant patterns
 - Add import/export functionality for password migration
- Hurdles:

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Managed merges between Supabase and API integration branches, configured CI/CD pipelines for deployment, and implemented stricter pull request turnaround policies.

What is planned to be done until the next Scrum meeting? Automate staging deployment triggers, oversee synchronization of release branches, and collaborate with Alexis to align schema versioning across repositories.

Hurdles: Build completion delays when multiple CI jobs run concurrently.

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: October 29, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Sprint: Final Sprint (Pre-Production)

Sprint Day: Day 2 of 14

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging
- Created database migration scripts for User Management Service tables
- Implemented database connection pooling configuration
- Collaborated with Isaac on audit log table structure and retention policies

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second)
- Implement stored procedures for team member management operations
- Work with Christian on database queries for User Management Service API endpoints
- Set up database monitoring dashboards in staging environment

Hurdles:

- Need clarification on user permission model complexity
- Supabase connection pool limits may need adjustment

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components
- Completed responsive layout refinements for mobile devices
- Implemented standardized error handling across frontend API calls
- Began integration work with User Management Service API endpoints

What is planned:

- Complete user profile management UI integration
- Implement team management interface
- Add accessibility tags and keyboard navigation
- Conduct cross-browser testing for updated authentication flow

Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed

- Need API documentation examples for team invitation workflow

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Designed complete User Management Service architecture
- Implemented user profile CRUD API endpoints - fully functional
- Created role-based access control (RBAC) middleware
- Developed team creation API endpoint with validation
- Wrote unit tests for user profile endpoints (92% coverage)
- Deployed User Management Service (Port 8002) to staging successfully

What is planned:

- Complete team member invitation system
- Implement team member management endpoints
- Build permission system for vault sharing
- Integrate with Notification Service for team activity alerts
- Write integration tests for user management workflows

Hurdles:

- Email notification integration depends on SMTP configuration
- Need to decide on invite token expiration policy (suggested: 7 days)

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007)
- Implemented audit log data model and database integration
- Created audit log query API with filtering capabilities
- Developed logging integration for Auth Service and Vault Service
- Set up Prometheus metrics endpoints for audit service monitoring
- Deployed Audit Service to staging and verified functionality

What is planned:

- Complete audit log export functionality (CSV, JSON formats)
- Implement log aggregation for multi-service event correlation
- Integrate audit logging with User Management Service events
- Create log retention cleanup job (90-day retention policy)
- Conduct security testing of audit log access controls

Hurdles:

- Log volume estimation needed for production capacity planning
- Need to coordinate with all service owners for consistent logging format

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Successfully installed and configured Kong API Gateway in staging
- Registered Auth Service (Port 8001) with Kong - routing functional
- Registered Vault Service (Port 8003) with Kong - routing functional

- Registered Encryption Service (Port 8005) with Kong - routing functional
- Registered Notification Service (Port 8006) with Kong - routing functional
- Configured rate limiting plugin (100 requests/minute per service)
- Implemented JWT authentication plugin for service-to-service communication
- Set up Prometheus plugin for Kong metrics collection
- Created health check endpoints for all registered services

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong
- Configure SSL/TLS certificates for staging environment
- Set up load balancing for high-traffic services
- Implement API versioning strategy (/v1/ prefix)
- Provision production cloud infrastructure
- Configure CI/CD pipeline for automated deployments

Hurdles:

- Waiting for SSL certificate approval from Let's Encrypt
- Production cloud infrastructure requires final budget approval
- Need decision on production cloud provider (AWS vs. GCP vs. Azure)

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 2 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  **On Track**

User Story	Points	Status	Progress	Owner
API Gateway & Deployment	5	In Progress	40%	Alberto
Frontend-Backend Integration	4	In Progress	60%	Mauricio
User Management Service	4	In Progress	70%	Christian
Audit Service	3	In Progress	75%	Isaac

Overall Sprint Progress: 35% complete (exceptionally strong start)

Blockers and Impediments

Active Blockers

1. **SSL Certificate Approval Delay (Minor)**
 - **Impact:** Delays HTTPS testing in staging environment
 - **Expected Resolution:** October 29, 2025
2. **Production Cloud Provider Decision Pending (Medium)**

- **Impact:** Cannot provision production infrastructure until decided
- **Expected Resolution:** October 29, 2025

Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging
- User Management Service (Port 8002) deployed ahead of schedule
- Audit Service (Port 8007) deployed ahead of schedule
- 4 out of 7 services registered with API Gateway (57% complete)
- Frontend authentication flow progressed from 50% to 75% complete

Team Achievements

- Strong start with 35% overall sprint progress on Day 2
- Excellent collaboration between frontend and backend teams
- All High Priority stories actively in progress
- Zero critical blockers identified
- Team morale and engagement high

Action Items for Tomorrow (October 29, 2025)

- **Mauricio:** Schedule pair programming session with Christian (10:00 AM)
- **Alexis:** Complete database performance testing and share results
- **Christian:** Implement team invitation system and integrate SMTP
- **Isaac:** Complete audit log export functionality
- **Alberto:** Register remaining services with Kong, obtain SSL certificates
- **Integration Session:** Alberto + Christian - API Gateway service registration (8:00 PM)

Meeting Conclusion

Sprint Status:  **On Track** - Excellent progress on Day 2

Key Takeaways:

3. All High Priority stories are actively in progress with significant advancement
4. User Management and Audit services ahead of schedule (Day 2 vs. planned Day 3-5)
5. API Gateway integration proceeding smoothly (40% complete)
6. Frontend authentication approaching completion (75% complete)
7. Zero critical blockers, only minor impediments identified
8. Team collaboration and morale exceptionally high

Confidence Level: 9/10 for sprint success (up from 8/10 at sprint planning)

Daily Scrum Meeting Minutes

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza.

Date: October 31. 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Alexis Henkel:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed integration testing between the API endpoints and the database, refined indexing for faster query execution, and finalized database performance documentation.

What is planned to be done until the next Scrum meeting? Begin concurrent load testing on the Supabase system, develop stored procedures for large data operations, and collaborate with Christian to improve query-level error handling.

Hurdles: Occasional timeout errors occur during multi-join query operations under heavy load.

Mauricio Ballart Alvarez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Extended standardized UI styling to dashboard components, verified consistent error feedback across multiple screen sizes, and initiated accessibility compliance adjustments.

What is planned to be done until the next Scrum meeting? Finalize responsive layout refinements, integrate accessibility tags across key pages, and collaborate with Alberto to prepare the front-end for deployment.

Hurdles: Certain accessibility attributes are interfering with dynamic React rendering components.

Christian Dominguez:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Completed stress testing for token refresh mechanisms, improved API error logging, and released a stable draft of the developer documentation.

What is planned to be done until the next Scrum meeting? Implement monitoring for authentication performance, refine error reporting for production, and assist Isaac with encryption activity logging.

Hurdles: Logging inconsistencies detected between development and production environments.

Isaac Quintero:

Hours worked since last meeting: 3

What has been done since the last Scrum meeting? - RESOLVED PostgreSQL base64 conversion issue using 1% Solution methodology

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- Entry successfully decrypted and displayed in UI

- Updated project documentation with Phase 7 completion
 - Added comprehensive technical details to frontend-prototype-plan.md
 - Created MCP memory knowledge graph entities for context continuity
 - Documented "1% solution" approach success
- What is planned to be done until the next Scrum meeting? - Performance optimization for bulk vault operations
- Implement password generator with quantum-resistant patterns
 - Add import/export functionality for password migration
- Hurdles:

Alberto Espinoza:

Hours worked since last meeting: 3

What was done since the last Scrum meeting? Managed merges between Supabase and API integration branches, configured CI/CD pipelines for deployment, and implemented stricter pull request turnaround policies.

What is planned to be done until the next Scrum meeting? Automate staging deployment triggers, oversee synchronization of release branches, and collaborate with Alexis to align schema versioning across repositories.

Hurdles: Build completion delays when multiple CI jobs run concurrently.

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 3, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Sprint: Final Sprint (Pre-Production)

Sprint Day: Day 2 of 14

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging
- Created database migration scripts for User Management Service tables
- Implemented database connection pooling configuration
- Collaborated with Isaac on audit log table structure and retention policies

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second)
- Implement stored procedures for team member management operations
- Work with Christian on database queries for User Management Service API endpoints
- Set up database monitoring dashboards in staging environment

Hurdles:

- Need clarification on user permission model complexity
- Supabase connection pool limits may need adjustment

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components
- Completed responsive layout refinements for mobile devices
- Implemented standardized error handling across frontend API calls
- Began integration work with User Management Service API endpoints

What is planned:

- Complete user profile management UI integration
- Implement team management interface
- Add accessibility tags and keyboard navigation
- Conduct cross-browser testing for updated authentication flow

Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed

- Need API documentation examples for team invitation workflow

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Designed complete User Management Service architecture
- Implemented user profile CRUD API endpoints - fully functional
- Created role-based access control (RBAC) middleware
- Developed team creation API endpoint with validation
- Wrote unit tests for user profile endpoints (92% coverage)
- Deployed User Management Service (Port 8002) to staging successfully

What is planned:

- Complete team member invitation system
- Implement team member management endpoints
- Build permission system for vault sharing
- Integrate with Notification Service for team activity alerts
- Write integration tests for user management workflows

Hurdles:

- Email notification integration depends on SMTP configuration
- Need to decide on invite token expiration policy (suggested: 7 days)

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007)
- Implemented audit log data model and database integration
- Created audit log query API with filtering capabilities
- Developed logging integration for Auth Service and Vault Service
- Set up Prometheus metrics endpoints for audit service monitoring
- Deployed Audit Service to staging and verified functionality

What is planned:

- Complete audit log export functionality (CSV, JSON formats)
- Implement log aggregation for multi-service event correlation
- Integrate audit logging with User Management Service events
- Create log retention cleanup job (90-day retention policy)
- Conduct security testing of audit log access controls

Hurdles:

- Log volume estimation needed for production capacity planning
- Need to coordinate with all service owners for consistent logging format

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Successfully installed and configured Kong API Gateway in staging
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- Registered Vault Service (Port 8003) with Kong - routing functional

- Registered Encryption Service (Port 8005) with Kong - routing functional
- Registered Notification Service (Port 8006) with Kong - routing functional
- Configured rate limiting plugin (100 requests/minute per service)
- Implemented JWT authentication plugin for service-to-service communication
- Set up Prometheus plugin for Kong metrics collection
- Created health check endpoints for all registered services

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong
- Configure SSL/TLS certificates for staging environment
- Set up load balancing for high-traffic services
- Implement API versioning strategy (/v1/ prefix)
- Provision production cloud infrastructure
- Configure CI/CD pipeline for automated deployments

Hurdles:

- Waiting for SSL certificate approval from Let's Encrypt
- Production cloud infrastructure requires final budget approval
- Need decision on production cloud provider (AWS vs. GCP vs. Azure)

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 2 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  **On Track**

User Story	Points	Status	Progress	Owner
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Frontend-Backend Integration	4	In Progress	60%	Mauricio
User Management Service	4	In Progress	70%	Christian
Audit Service	3	In Progress	75%	Isaac

Overall Sprint Progress: 35% complete (exceptionally strong start)

Blockers and Impediments

Active Blockers

1. **SSL Certificate Approval Delay (Minor)**
 - **Impact:** Delays HTTPS testing in staging environment
 - **Expected Resolution:** October 29, 2025
2. **Production Cloud Provider Decision Pending (Medium)**

- **Impact:** Cannot provision production infrastructure until decided
- **Expected Resolution:** October 29, 2025

Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging
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Team Achievements

- Strong start with 35% overall sprint progress on Day 2
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- All High Priority stories actively in progress
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- Team morale and engagement high

Action Items for Tomorrow (October 29, 2025)

- **Mauricio:** Schedule pair programming session with Christian (10:00 AM)
- **Alexis:** Complete database performance testing and share results
- **Christian:** Implement team invitation system and integrate SMTP
- **Isaac:** Complete audit log export functionality
- **Alberto:** Register remaining services with Kong, obtain SSL certificates
- **Integration Session:** Alberto + Christian - API Gateway service registration (8:00 PM)

Meeting Conclusion

Sprint Status:  **On Track** - Excellent progress on Day 2

Key Takeaways:

3. All High Priority stories are actively in progress with significant advancement
4. User Management and Audit services ahead of schedule (Day 2 vs. planned Day 3-5)
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8. Team collaboration and morale exceptionally high

Confidence Level: 9/10 for sprint success (up from 8/10 at sprint planning)

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 4, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Sprint: Final Sprint (Pre-Production)

Sprint Day: Day 2 of 14

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging
- Created database migration scripts for User Management Service tables
- Implemented database connection pooling configuration
- Collaborated with Isaac on audit log table structure and retention policies

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second)
- Implement stored procedures for team member management operations
- Work with Christian on database queries for User Management Service API endpoints
- Set up database monitoring dashboards in staging environment

Hurdles:

- Need clarification on user permission model complexity
- Supabase connection pool limits may need adjustment

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components
- Completed responsive layout refinements for mobile devices
- Implemented standardized error handling across frontend API calls
- Began integration work with User Management Service API endpoints

What is planned:

- Complete user profile management UI integration
- Implement team management interface
- Add accessibility tags and keyboard navigation
- Conduct cross-browser testing for updated authentication flow

Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed

- Need API documentation examples for team invitation workflow

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Designed complete User Management Service architecture
- Implemented user profile CRUD API endpoints - fully functional
- Created role-based access control (RBAC) middleware
- Developed team creation API endpoint with validation
- Wrote unit tests for user profile endpoints (92% coverage)
- Deployed User Management Service (Port 8002) to staging successfully

What is planned:

- Complete team member invitation system
- Implement team member management endpoints
- Build permission system for vault sharing
- Integrate with Notification Service for team activity alerts
- Write integration tests for user management workflows

Hurdles:

- Email notification integration depends on SMTP configuration
- Need to decide on invite token expiration policy (suggested: 7 days)

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007)
- Implemented audit log data model and database integration
- Created audit log query API with filtering capabilities
- Developed logging integration for Auth Service and Vault Service
- Set up Prometheus metrics endpoints for audit service monitoring
- Deployed Audit Service to staging and verified functionality

What is planned:

- Complete audit log export functionality (CSV, JSON formats)
- Implement log aggregation for multi-service event correlation
- Integrate audit logging with User Management Service events
- Create log retention cleanup job (90-day retention policy)
- Conduct security testing of audit log access controls

Hurdles:

- Log volume estimation needed for production capacity planning
- Need to coordinate with all service owners for consistent logging format

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Successfully installed and configured Kong API Gateway in staging
- Registered Auth Service (Port 8001) with Kong - routing functional
- Registered Vault Service (Port 8003) with Kong - routing functional

- Registered Encryption Service (Port 8005) with Kong - routing functional
- Registered Notification Service (Port 8006) with Kong - routing functional
- Configured rate limiting plugin (100 requests/minute per service)
- Implemented JWT authentication plugin for service-to-service communication
- Set up Prometheus plugin for Kong metrics collection
- Created health check endpoints for all registered services

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong
- Configure SSL/TLS certificates for staging environment
- Set up load balancing for high-traffic services
- Implement API versioning strategy (/v1/ prefix)
- Provision production cloud infrastructure
- Configure CI/CD pipeline for automated deployments

Hurdles:

- Waiting for SSL certificate approval from Let's Encrypt
- Production cloud infrastructure requires final budget approval
- Need decision on production cloud provider (AWS vs. GCP vs. Azure)

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 2 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  **On Track**

User Story	Points	Status	Progress	Owner
API Gateway & Deployment	5	In Progress	40%	Alberto
Frontend-Backend Integration	4	In Progress	60%	Mauricio
User Management Service	4	In Progress	70%	Christian
Audit Service	3	In Progress	75%	Isaac

Overall Sprint Progress: 35% complete (exceptionally strong start)

Blockers and Impediments

Active Blockers

1. **SSL Certificate Approval Delay (Minor)**
 - **Impact:** Delays HTTPS testing in staging environment
 - **Expected Resolution:** October 29, 2025
2. **Production Cloud Provider Decision Pending (Medium)**

- **Impact:** Cannot provision production infrastructure until decided
- **Expected Resolution:** October 29, 2025

Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging
- User Management Service (Port 8002) deployed ahead of schedule
- Audit Service (Port 8007) deployed ahead of schedule
- 4 out of 7 services registered with API Gateway (57% complete)
- Frontend authentication flow progressed from 50% to 75% complete

Team Achievements

- Strong start with 35% overall sprint progress on Day 2
- Excellent collaboration between frontend and backend teams
- All High Priority stories actively in progress
- Zero critical blockers identified
- Team morale and engagement high

Action Items for Tomorrow (October 29, 2025)

- **Mauricio:** Schedule pair programming session with Christian (10:00 AM)
- **Alexis:** Complete database performance testing and share results
- **Christian:** Implement team invitation system and integrate SMTP
- **Isaac:** Complete audit log export functionality
- **Alberto:** Register remaining services with Kong, obtain SSL certificates
- **Integration Session:** Alberto + Christian - API Gateway service registration (8:00 PM)

Meeting Conclusion

Sprint Status:  **On Track** - Excellent progress on Day 2

Key Takeaways:

3. All High Priority stories are actively in progress with significant advancement
4. User Management and Audit services ahead of schedule (Day 2 vs. planned Day 3-5)
5. API Gateway integration proceeding smoothly (40% complete)
6. Frontend authentication approaching completion (75% complete)
7. Zero critical blockers, only minor impediments identified
8. Team collaboration and morale exceptionally high

Confidence Level: 9/10 for sprint success (up from 8/10 at sprint planning)

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 6, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Sprint: Final Sprint (Pre-Production)

Sprint Day: Day 4 of 14

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging
- Created database migration scripts for User Management Service tables
- Implemented database connection pooling configuration
- Collaborated with Isaac on audit log table structure and retention policies

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second)
- Implement stored procedures for team member management operations
- Work with Christian on database queries for User Management Service API endpoints
- Set up database monitoring dashboards in staging environment

Hurdles:

- Need clarification on user permission model complexity
- Supabase connection pool limits may need adjustment

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components
- Completed responsive layout refinements for mobile devices
- Implemented standardized error handling across frontend API calls
- Began integration work with User Management Service API endpoints

What is planned:

- Complete user profile management UI integration
- Implement team management interface
- Add accessibility tags and keyboard navigation
- Conduct cross-browser testing for updated authentication flow

Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed
- Need API documentation examples for team invitation workflow

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Designed complete User Management Service architecture
- Implemented user profile CRUD API endpoints - fully functional
- Created role-based access control (RBAC) middleware
- Developed team creation API endpoint with validation
- Wrote unit tests for user profile endpoints (92% coverage)
- Deployed User Management Service (Port 8002) to staging successfully

What is planned:

- Complete team member invitation system
- Implement team member management endpoints
- Build permission system for vault sharing
- Integrate with Notification Service for team activity alerts
- Write integration tests for user management workflows

Hurdles:

- Email notification integration depends on SMTP configuration
- Need to decide on invite token expiration policy (suggested: 7 days)

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007)
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- Created audit log query API with filtering capabilities
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What is planned:

- Complete audit log export functionality (CSV, JSON formats)
- Implement log aggregation for multi-service event correlation
- Integrate audit logging with User Management Service events
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- Conduct security testing of audit log access controls

Hurdles:

- Log volume estimation needed for production capacity planning
- Need to coordinate with all service owners for consistent logging format

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

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- Created health check endpoints for all registered services

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong
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Hurdles:

- Waiting for SSL certificate approval from Let's Encrypt
- Production cloud infrastructure requires final budget approval
- Need decision on production cloud provider (AWS vs. GCP vs. Azure)

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 2 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  **On Track**

User Story	Points	Status	Progress	Owner
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Audit Service	3	In Progress	75%	Isaac

Overall Sprint Progress: 35% complete (exceptionally strong start)

Blockers and Impediments

Active Blockers

1. **SSL Certificate Approval Delay (Minor)**
 - **Impact:** Delays HTTPS testing in staging environment
 - **Expected Resolution:** October 29, 2025
2. **Production Cloud Provider Decision Pending (Medium)**
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Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging

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Action Items for Tomorrow (October 29, 2025)

- **Mauricio:** Schedule pair programming session with Christian (10:00 AM)
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- **Isaac:** Complete audit log export functionality
- **Alberto:** Register remaining services with Kong, obtain SSL certificates
- **Integration Session:** Alberto + Christian - API Gateway service registration (8:00 PM)

Meeting Conclusion

Sprint Status:  **On Track** - Excellent progress on Day 2

Key Takeaways:

3. All High Priority stories are actively in progress with significant advancement
4. User Management and Audit services ahead of schedule (Day 2 vs. planned Day 3-5)
5. API Gateway integration proceeding smoothly (40% complete)
6. Frontend authentication approaching completion (75% complete)
7. Zero critical blockers, only minor impediments identified
8. Team collaboration and morale exceptionally high

Confidence Level: 9/10 for sprint success (up from 8/10 at sprint planning)

Meeting Minutes

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 6, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Sprint: Final Sprint (Pre-Production)

Sprint Day: Day 5 of 14**Daily Scrum Updates**Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Completed database performance testing for audit logging (target: 1000+ logs/second)
- Implemented stored procedures for team member management operations
- Collaborated with Christian on database queries for User Management Service API endpoints

What is planned:

- Work with Christian to integrate database queries for User Management Service API endpoints
- Set up database monitoring dashboards in staging environment
- Review and optimize Supabase connection pool configuration
- Begin planning for user permission model implementation

Hurdles:

- Clarification still needed on complex user permission model.
- Supabase connection pool limits may need further adjustment based on testing.

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Completed user profile management UI integration.
- Implemented team management interface.
- Added accessibility tags and keyboard navigation to key components.
- Conducted cross-browser testing for updated authentication flow.

What is planned:

- Begin integration with team invitation workflow API endpoints.
- Refine responsive layouts based on testing feedback.
- Implement additional accessibility features (e.g., screen reader support).
- Start developing UI for vault sharing permissions.

Hurdles:

- Still waiting for full deployment of team invitation workflow API endpoints.
- Need finalized API documentation examples for team invitation workflow.

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Completed team member invitation system.
- Integrated SMTP for email notifications.
- Implemented team member management endpoints.
- Developed a preliminary permission system for vault sharing.

What is planned:

- Refine and test vault sharing permission system.
- Integrate with Notification Service for team activity alerts.
- Write integration tests for user management workflows.
- Collaborate with Alexis on optimizing User Management Service database queries.

Hurdles:

- Need to finalize invite token expiration policy (suggested: 7 days, awaiting confirmation).

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed audit log export functionality (CSV, JSON formats).
- Implemented log aggregation for multi-service event correlation.
- Integrated audit logging with User Management Service events.
- Created initial log retention cleanup job (90-day retention policy configured).

What is planned:

- Conduct security testing of audit log access controls.
- Finalize log volume estimation for production capacity planning.
- Coordinate with all service owners for consistent logging format and implementation.
- Develop audit dashboard for real-time monitoring.

Hurdles:

- Need final confirmation on consistent logging format across all services.

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Registered User Management Service (Port 8002) and Audit Service (Port 8007) with Kong.
- Configured SSL/TLS certificates for staging environment.
- Set up initial load balancing for high-traffic services.
- Implemented API versioning strategy (/v1/ prefix) for all services.

What is planned:

- Provision production cloud infrastructure (awaiting budget and provider decision).
- Configure CI/CD pipeline for automated deployments.
- Implement advanced API gateway security policies (e.g., WAF integration).
- Conduct comprehensive API gateway performance testing.

Hurdles:

- Production cloud infrastructure requires final budget approval.
- Need decision on production cloud provider (AWS vs. GCP vs. Azure).

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 5 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  **On Track**

User Story	Points	Status	Progress	Owner
API Gateway & Deployment	5 ▾	In Pro... ▾	60% ▾	Alberto
Frontend-Backend Integration	4 ▾	In Pro... ▾	75% ▾	Mauricio
User Management Service	4 ▾	In Pro... ▾	90% ▾	Christian
Audit Service	3 ▾	In Pro... ▾	90% ▾	Isaac

Overall Sprint Progress: 65% complete (excellent progress, ahead of schedule)**Blockers and Impediments**
Active Blockers

1. Production Cloud Provider Decision Pending (Medium)

- **Impact:** Cannot provision production infrastructure until decided.
- **Expected Resolution:** November 7, 2025

Achievements and Wins

- All 7 services registered with Kong API Gateway (100% complete).
- SSL/TLS certificates configured for staging environment.
- User Management Service and Audit Service nearing completion (90%).
- Frontend-backend integration progressing rapidly (75%).
- API versioning implemented across all services.

Team Achievements

- Exceptional progress with 65% overall sprint completion by Day 5.
- Strong collaboration enabling rapid integration and issue resolution.
- All High Priority stories remain actively in progress and on track.
- Team morale and engagement remain high.

Action Items for Tomorrow (November 7, 2025)

- **Mauricio:** Begin integration with team invitation workflow API endpoints.
- **Alexis:** Set up database monitoring dashboards in staging environment.
- **Christian:** Refine and test vault sharing permission system.
- **Isaac:** Conduct security testing of audit log access controls.
- **Alberto:** Push for final decision on production cloud provider and budget approval.

Meeting Conclusion

Sprint Status:  **On Track** - Significant progress made, exceeding expectations.

Key Takeaways:

1. All High Priority stories are making strong progress, with User Management and Audit services nearing completion.
2. API Gateway integration is fully complete, and SSL/TLS is configured for staging.
3. Frontend-backend integration is progressing very well.
4. Only one medium-level blocker remaining (Production Cloud Provider Decision).
5. Team collaboration and morale are outstanding.

Confidence Level: 10/10 for sprint success (up from 9/10 yesterday).

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 7, 2025

Start Time: 6:00 PM

End Time: 7:00 PM

Sprint: Final Sprint (Pre-Production)

Sprint Day: Day 4 of 14

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging
- Created database migration scripts for User Management Service tables
- Implemented database connection pooling configuration
- Collaborated with Isaac on audit log table structure and retention policies

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second)
- Implement stored procedures for team member management operations
- Work with Christian on database queries for User Management Service API endpoints
- Set up database monitoring dashboards in staging environment

Hurdles:

- Need clarification on user permission model complexity
- Supabase connection pool limits may need adjustment

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components
- Completed responsive layout refinements for mobile devices
- Implemented standardized error handling across frontend API calls
- Began integration work with User Management Service API endpoints

What is planned:

- Complete user profile management UI integration
- Implement team management interface
- Add accessibility tags and keyboard navigation
- Conduct cross-browser testing for updated authentication flow

Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed
- Need API documentation examples for team invitation workflow

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Designed complete User Management Service architecture
- Implemented user profile CRUD API endpoints - fully functional
- Created role-based access control (RBAC) middleware
- Developed team creation API endpoint with validation
- Wrote unit tests for user profile endpoints (92% coverage)
- Deployed User Management Service (Port 8002) to staging successfully

What is planned:

- Complete team member invitation system
- Implement team member management endpoints
- Build permission system for vault sharing
- Integrate with Notification Service for team activity alerts
- Write integration tests for user management workflows

Hurdles:

- Email notification integration depends on SMTP configuration
- Need to decide on invite token expiration policy (suggested: 7 days)

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007)
- Implemented audit log data model and database integration
- Created audit log query API with filtering capabilities
- Developed logging integration for Auth Service and Vault Service
- Set up Prometheus metrics endpoints for audit service monitoring
- Deployed Audit Service to staging and verified functionality

What is planned:

- Complete audit log export functionality (CSV, JSON formats)
- Implement log aggregation for multi-service event correlation
- Integrate audit logging with User Management Service events
- Create log retention cleanup job (90-day retention policy)
- Conduct security testing of audit log access controls

Hurdles:

- Log volume estimation needed for production capacity planning
- Need to coordinate with all service owners for consistent logging format

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Successfully installed and configured Kong API Gateway in staging
- Registered Auth Service (Port 8001) with Kong - routing functional
- Registered Vault Service (Port 8003) with Kong - routing functional
- Registered Encryption Service (Port 8005) with Kong - routing functional
- Registered Notification Service (Port 8006) with Kong - routing functional
- Configured rate limiting plugin (100 requests/minute per service)
- Implemented JWT authentication plugin for service-to-service communication
- Set up Prometheus plugin for Kong metrics collection

- Created health check endpoints for all registered services

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong
- Configure SSL/TLS certificates for staging environment
- Set up load balancing for high-traffic services
- Implement API versioning strategy (/v1/ prefix)
- Provision production cloud infrastructure
- Configure CI/CD pipeline for automated deployments

Hurdles:

- Waiting for SSL certificate approval from Let's Encrypt
- Production cloud infrastructure requires final budget approval
- Need decision on production cloud provider (AWS vs. GCP vs. Azure)

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 2 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  **On Track**

User Story	Points	Status	Progress	Owner
API Gateway & Deployment	5	In Progress	40%	Alberto
Frontend-Backend Integration	4	In Progress	60%	Mauricio
User Management Service	4	In Progress	70%	Christian
Audit Service	3	In Progress	75%	Isaac

Overall Sprint Progress: 35% complete (exceptionally strong start)

Blockers and Impediments

Active Blockers

1. **SSL Certificate Approval Delay (Minor)**
 - **Impact:** Delays HTTPS testing in staging environment
 - **Expected Resolution:** October 29, 2025
2. **Production Cloud Provider Decision Pending (Medium)**
 - **Impact:** Cannot provision production infrastructure until decided
 - **Expected Resolution:** October 29, 2025

Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging

- User Management Service (Port 8002) deployed ahead of schedule
- Audit Service (Port 8007) deployed ahead of schedule
- 4 out of 7 services registered with API Gateway (57% complete)
- Frontend authentication flow progressed from 50% to 75% complete

Team Achievements

- Strong start with 35% overall sprint progress on Day 2
- Excellent collaboration between frontend and backend teams
- All High Priority stories actively in progress
- Zero critical blockers identified
- Team morale and engagement high

Action Items for Tomorrow (October 29, 2025)

- **Mauricio:** Schedule pair programming session with Christian (10:00 AM)
- **Alexis:** Complete database performance testing and share results
- **Christian:** Implement team invitation system and integrate SMTP
- **Isaac:** Complete audit log export functionality
- **Alberto:** Register remaining services with Kong, obtain SSL certificates
- **Integration Session:** Alberto + Christian - API Gateway service registration (8:00 PM)

Meeting Conclusion

Sprint Status:  **On Track** - Excellent progress on Day 2

Key Takeaways:

3. All High Priority stories are actively in progress with significant advancement
4. User Management and Audit services ahead of schedule (Day 2 vs. planned Day 3-5)
5. API Gateway integration proceeding smoothly (40% complete)
6. Frontend authentication approaching completion (75% complete)
7. Zero critical blockers, only minor impediments identified
8. Team collaboration and morale exceptionally high

Confidence Level: 9/10 for sprint success (up from 8/10 at sprint planning)

Meeting Minutes

Project: Cybersecurity: Lock and Key: Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 6, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Sprint: Final Sprint (Pre-Production)

Sprint Day: Day 5 of 14**Daily Scrum Updates**Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Completed database performance testing for audit logging (target: 1000+ logs/second)
- Implemented stored procedures for team member management operations
- Collaborated with Christian on database queries for User Management Service API endpoints

What is planned:

- Work with Christian to integrate database queries for User Management Service API endpoints
- Set up database monitoring dashboards in staging environment
- Review and optimize Supabase connection pool configuration
- Begin planning for user permission model implementation

Hurdles:

- Clarification still needed on complex user permission model.
- Supabase connection pool limits may need further adjustment based on testing.

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Completed user profile management UI integration.
- Implemented team management interface.
- Added accessibility tags and keyboard navigation to key components.
- Conducted cross-browser testing for updated authentication flow.

What is planned:

- Begin integration with team invitation workflow API endpoints.
- Refine responsive layouts based on testing feedback.
- Implement additional accessibility features (e.g., screen reader support).
- Start developing UI for vault sharing permissions.

Hurdles:

- Still waiting for full deployment of team invitation workflow API endpoints.
- Need finalized API documentation examples for team invitation workflow.

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Completed team member invitation system.
- Integrated SMTP for email notifications.
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- Developed a preliminary permission system for vault sharing.

What is planned:

- Refine and test vault sharing permission system.
- Integrate with Notification Service for team activity alerts.
- Write integration tests for user management workflows.
- Collaborate with Alexis on optimizing User Management Service database queries.

Hurdles:

- Need to finalize invite token expiration policy (suggested: 7 days, awaiting confirmation).

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed audit log export functionality (CSV, JSON formats).
- Implemented log aggregation for multi-service event correlation.
- Integrated audit logging with User Management Service events.
- Created initial log retention cleanup job (90-day retention policy configured).

What is planned:

- Conduct security testing of audit log access controls.
- Finalize log volume estimation for production capacity planning.
- Coordinate with all service owners for consistent logging format and implementation.
- Develop audit dashboard for real-time monitoring.

Hurdles:

- Need final confirmation on consistent logging format across all services.

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Registered User Management Service (Port 8002) and Audit Service (Port 8007) with Kong.
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- Set up initial load balancing for high-traffic services.
- Implemented API versioning strategy (/v1/ prefix) for all services.

What is planned:

- Provision production cloud infrastructure (awaiting budget and provider decision).
- Configure CI/CD pipeline for automated deployments.
- Implement advanced API gateway security policies (e.g., WAF integration).
- Conduct comprehensive API gateway performance testing.

Hurdles:

- Production cloud infrastructure requires final budget approval.
- Need decision on production cloud provider (AWS vs. GCP vs. Azure).

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Overall Sprint Progress: 65% complete (excellent progress, ahead of schedule)**Blockers and Impediments**
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1. Production Cloud Provider Decision Pending (Medium)

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Achievements and Wins

- All 7 services registered with Kong API Gateway (100% complete).
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- API versioning implemented across all services.

Team Achievements

- Exceptional progress with 65% overall sprint completion by Day 5.
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Action Items for Tomorrow (November 7, 2025)

- **Mauricio:** Begin integration with team invitation workflow API endpoints.
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Meeting Conclusion

Sprint Status:  **On Track** - Significant progress made, exceeding expectations.

Key Takeaways:

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Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key – Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 10, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Sprint: Final Sprint (Pre-Production)

Sprint Day: Day 6 of 14

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging.
- Created database migration scripts for User Management Service tables.
- Implemented database connection pooling configuration.
- Collaborated with Isaac on audit log table structure and retention policies.

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second).
- Implement stored procedures for team member management operations.
- Work with Christian on database queries for User Management Service API endpoints.
- Set up database monitoring dashboards in staging environment.

Hurdles:

- Need clarification on user permission model complexity.
 - Supabase connection pool limits may need adjustment.
-

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components.
- Completed responsive layout refinements for mobile devices.
- Implemented standardized error handling across frontend API calls.
- Began integration work with User Management Service API endpoints.

What is planned:

- Complete user profile management UI integration.
- Implement team management interface.
- Add accessibility tags and keyboard navigation.
- Conduct cross-browser testing for updated authentication flow.

Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed.
 - Need API documentation examples for team invitation workflow.
-

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Designed complete User Management Service architecture.

- Implemented user profile CRUD API endpoints – fully functional.
- Created role-based access control (RBAC) middleware.
- Developed team creation API endpoint with validation.
- Wrote unit tests for user profile endpoints (92% coverage).
- Deployed User Management Service (Port 8002) to staging successfully.

What is planned:

- Complete team member invitation system.
- Implement team member management endpoints.
- Build permission system for vault sharing.
- Integrate with Notification Service for team activity alerts.
- Write integration tests for user management workflows.

Hurdles:

- Email notification integration depends on SMTP configuration.
- Need to decide on invite token expiration policy (suggested: 7 days).

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007).
- Implemented audit log data model and database integration.
- Created audit log query API with filtering capabilities.
- Developed logging integration for Auth Service and Vault Service.
- Set up Prometheus metrics endpoints for audit service monitoring.

- Deployed Audit Service to staging and verified functionality.

What is planned:

- Complete audit log export functionality (CSV, JSON formats).
- Implement log aggregation for multi-service event correlation.
- Integrate audit logging with User Management Service events.
- Create log retention cleanup job (90-day retention policy).
- Conduct security testing of audit log access controls.

Hurdles:

- Log volume estimation needed for production capacity planning.
- Need to coordinate with all service owners for consistent logging format.

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Successfully installed and configured Kong API Gateway in staging.
- Registered Auth Service (Port 8001) with Kong – routing functional.
- Registered Vault Service (Port 8003) with Kong – routing functional.
- Registered Encryption Service (Port 8005) with Kong – routing functional.
- Registered Notification Service (Port 8006) with Kong – routing functional.
- Configured rate-limiting plugin (100 requests/minute per service).
- Implemented JWT authentication plugin for service-to-service communication.
- Set up Prometheus plugin for Kong metrics collection.
- Created health check endpoints for all registered services.

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong.
 - Configure SSL/TLS certificates for staging environment.
 - Set up load balancing for high-traffic services.
 - Implement API versioning strategy (/v1/ prefix).
 - Provision production cloud infrastructure.
 - Configure CI/CD pipeline for automated deployments.
- Hurdles:**
- Waiting for SSL certificate approval from Let's Encrypt.
 - Production cloud infrastructure requires final budget approval.
 - Need decision on production cloud provider (AWS vs. GCP vs. Azure).
-

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 5 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  On Track

User Story	Points	Status	Progress	Owner
API Gateway & Deployment	5	In Progress	40%	Alberto
Frontend-Backend Integration	4	In Progress	60%	Mauricio
User Management Service	4	In Progress	70%	Christian
Audit Service	3	In Progress	75%	Isaac

Overall Sprint Progress: 35% complete (*exceptionally strong start*)

Blockers and Impediments

Active Blockers

- **SSL Certificate Approval Delay (Minor)**
 - *Impact:* Delays HTTPS testing in staging environment.
 - *Expected Resolution:* November 9, 2025.
 - **Production Cloud Provider Decision Pending (Medium)**
 - *Impact:* Cannot provision production infrastructure until decided.
 - *Expected Resolution:* November 9, 2025.
-

Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging.
- User Management Service (Port 8002) deployed ahead of schedule.
- Audit Service (Port 8007) deployed ahead of schedule.
- 4 out of 7 services registered with API Gateway (57% complete).
- Frontend authentication flow progressed from 50% to 75% complete.

Team Achievements

- Strong start with 35% overall sprint progress by Day 5.

- Excellent collaboration between frontend and backend teams.
 - All High-Priority stories actively in progress.
 - Zero critical blockers identified.
 - Team morale and engagement remain high.
-

Action Items for Tomorrow (November 7, 2025)

- **Mauricio:** Schedule pair programming session with Christian (10:00 AM).
 - **Alexis:** Complete database performance testing and share results.
 - **Christian:** Implement team invitation system and integrate SMTP.
 - **Isaac:** Complete audit log export functionality.
 - **Alberto:** Register remaining services with Kong and obtain SSL certificates.
 - **Integration Session:** Alberto + Christian – API Gateway service registration (8:00 PM).
-

Meeting Conclusion

Sprint Status:  On Track – Excellent progress on Day 5

Key Takeaways

- All High-Priority stories are actively in progress with significant advancement.
- User Management and Audit Services ahead of schedule.
- API Gateway integration proceeding smoothly (40% complete).
- Frontend authentication nearing completion (75% complete).

- Zero critical blockers; only minor impediments remain.
- Team collaboration and morale exceptionally high.

Confidence Level: 9/10 for sprint success

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key – Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 11, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Sprint: Final Sprint (Pre-Production)

Sprint Day: Day 6 of 14

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging.
- Created database migration scripts for User Management Service tables.
- Implemented database connection pooling configuration.
- Collaborated with Isaac on audit log table structure and retention policies.

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second).
- Implement stored procedures for team member management operations.
- Work with Christian on database queries for User Management Service API endpoints.
- Set up database monitoring dashboards in staging environment.

Hurdles:

- Need clarification on user permission model complexity.
 - Supabase connection pool limits may need adjustment.
-

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components.
- Completed responsive layout refinements for mobile devices.
- Implemented standardized error handling across frontend API calls.
- Began integration work with User Management Service API endpoints.

What is planned:

- Complete user profile management UI integration.
- Implement team management interface.
- Add accessibility tags and keyboard navigation.
- Conduct cross-browser testing for updated authentication flow.

Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed.
 - Need API documentation examples for team invitation workflow.
-

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Designed complete User Management Service architecture.

- Implemented user profile CRUD API endpoints – fully functional.
- Created role-based access control (RBAC) middleware.
- Developed team creation API endpoint with validation.
- Wrote unit tests for user profile endpoints (92% coverage).
- Deployed User Management Service (Port 8002) to staging successfully.

What is planned:

- Complete team member invitation system.
- Implement team member management endpoints.
- Build permission system for vault sharing.
- Integrate with Notification Service for team activity alerts.
- Write integration tests for user management workflows.

Hurdles:

- Email notification integration depends on SMTP configuration.
- Need to decide on invite token expiration policy (suggested: 7 days).

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007).
- Implemented audit log data model and database integration.
- Created audit log query API with filtering capabilities.
- Developed logging integration for Auth Service and Vault Service.
- Set up Prometheus metrics endpoints for audit service monitoring.

- Deployed Audit Service to staging and verified functionality.

What is planned:

- Complete audit log export functionality (CSV, JSON formats).
- Implement log aggregation for multi-service event correlation.
- Integrate audit logging with User Management Service events.
- Create log retention cleanup job (90-day retention policy).
- Conduct security testing of audit log access controls.

Hurdles:

- Log volume estimation needed for production capacity planning.
- Need to coordinate with all service owners for consistent logging format.

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Successfully installed and configured Kong API Gateway in staging.
- Registered Auth Service (Port 8001) with Kong – routing functional.
- Registered Vault Service (Port 8003) with Kong – routing functional.
- Registered Encryption Service (Port 8005) with Kong – routing functional.
- Registered Notification Service (Port 8006) with Kong – routing functional.
- Configured rate-limiting plugin (100 requests/minute per service).
- Implemented JWT authentication plugin for service-to-service communication.
- Set up Prometheus plugin for Kong metrics collection.
- Created health check endpoints for all registered services.

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong.
 - Configure SSL/TLS certificates for staging environment.
 - Set up load balancing for high-traffic services.
 - Implement API versioning strategy (/v1/ prefix).
 - Provision production cloud infrastructure.
 - Configure CI/CD pipeline for automated deployments.
- Hurdles:**
- Waiting for SSL certificate approval from Let's Encrypt.
 - Production cloud infrastructure requires final budget approval.
 - Need decision on production cloud provider (AWS vs. GCP vs. Azure).
-

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 5 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  On Track

User Story	Points	Status	Progress	Owner
API Gateway & Deployment	5	In Progress	40%	Alberto
Frontend-Backend Integration	4	In Progress	60%	Mauricio
User Management Service	4	In Progress	70%	Christian
Audit Service	3	In Progress	75%	Isaac

Overall Sprint Progress: 35% complete (*exceptionally strong start*)

Blockers and Impediments

Active Blockers

- **SSL Certificate Approval Delay (Minor)**
 - *Impact:* Delays HTTPS testing in staging environment.
 - *Expected Resolution:* November 9, 2025.
 - **Production Cloud Provider Decision Pending (Medium)**
 - *Impact:* Cannot provision production infrastructure until decided.
 - *Expected Resolution:* November 9, 2025.
-

Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging.
- User Management Service (Port 8002) deployed ahead of schedule.
- Audit Service (Port 8007) deployed ahead of schedule.
- 4 out of 7 services registered with API Gateway (57% complete).
- Frontend authentication flow progressed from 50% to 75% complete.

Team Achievements

- Strong start with 35% overall sprint progress by Day 5.

- Excellent collaboration between frontend and backend teams.
 - All High-Priority stories actively in progress.
 - Zero critical blockers identified.
 - Team morale and engagement remain high.
-

Action Items for Tomorrow (November 7, 2025)

- **Mauricio:** Schedule pair programming session with Christian (10:00 AM).
 - **Alexis:** Complete database performance testing and share results.
 - **Christian:** Implement team invitation system and integrate SMTP.
 - **Isaac:** Complete audit log export functionality.
 - **Alberto:** Register remaining services with Kong and obtain SSL certificates.
 - **Integration Session:** Alberto + Christian – API Gateway service registration (8:00 PM).
-

Meeting Conclusion

Sprint Status:  On Track – Excellent progress on Day 5

Key Takeaways

- All High-Priority stories are actively in progress with significant advancement.
- User Management and Audit Services ahead of schedule.
- API Gateway integration proceeding smoothly (40% complete).
- Frontend authentication nearing completion (75% complete).

- Zero critical blockers; only minor impediments remain.
- Team collaboration and morale exceptionally high.

Confidence Level: 9/10 for sprint success

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key – Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 12, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Sprint: Final Sprint (Pre-Production)

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging.
- Created database migration scripts for User Management Service tables.
- Implemented database connection pooling configuration.
- Collaborated with Isaac on audit log table structure and retention policies.

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second).
- Implement stored procedures for team member management operations.
- Work with Christian on database queries for User Management Service API endpoints.
- Set up database monitoring dashboards in staging environment.

Hurdles:

- Need clarification on user permission model complexity.
 - Supabase connection pool limits may need adjustment.
-

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components.
- Completed responsive layout refinements for mobile devices.
- Implemented standardized error handling across frontend API calls.
- Began integration work with User Management Service API endpoints.

What is planned:

- Complete user profile management UI integration.
- Implement team management interface.
- Add accessibility tags and keyboard navigation.
- Conduct cross-browser testing for updated authentication flow.

Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed.
 - Need API documentation examples for team invitation workflow.
-

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Designed complete User Management Service architecture.

- Implemented user profile CRUD API endpoints – fully functional.
- Created role-based access control (RBAC) middleware.
- Developed team creation API endpoint with validation.
- Wrote unit tests for user profile endpoints (92% coverage).
- Deployed User Management Service (Port 8002) to staging successfully.

What is planned:

- Complete team member invitation system.
- Implement team member management endpoints.
- Build permission system for vault sharing.
- Integrate with Notification Service for team activity alerts.
- Write integration tests for user management workflows.

Hurdles:

- Email notification integration depends on SMTP configuration.
- Need to decide on invite token expiration policy (suggested: 7 days).

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007).
- Implemented audit log data model and database integration.
- Created audit log query API with filtering capabilities.
- Developed logging integration for Auth Service and Vault Service.
- Set up Prometheus metrics endpoints for audit service monitoring.

- Deployed Audit Service to staging and verified functionality.

What is planned:

- Complete audit log export functionality (CSV, JSON formats).
- Implement log aggregation for multi-service event correlation.
- Integrate audit logging with User Management Service events.
- Create log retention cleanup job (90-day retention policy).
- Conduct security testing of audit log access controls.

Hurdles:

- Log volume estimation needed for production capacity planning.
- Need to coordinate with all service owners for consistent logging format.

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Successfully installed and configured Kong API Gateway in staging.
- Registered Auth Service (Port 8001) with Kong – routing functional.
- Registered Vault Service (Port 8003) with Kong – routing functional.
- Registered Encryption Service (Port 8005) with Kong – routing functional.
- Registered Notification Service (Port 8006) with Kong – routing functional.
- Configured rate-limiting plugin (100 requests/minute per service).
- Implemented JWT authentication plugin for service-to-service communication.
- Set up Prometheus plugin for Kong metrics collection.
- Created health check endpoints for all registered services.

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong.
 - Configure SSL/TLS certificates for staging environment.
 - Set up load balancing for high-traffic services.
 - Implement API versioning strategy (/v1/ prefix).
 - Provision production cloud infrastructure.
 - Configure CI/CD pipeline for automated deployments.
- Hurdles:**
- Waiting for SSL certificate approval from Let's Encrypt.
 - Production cloud infrastructure requires final budget approval.
 - Need decision on production cloud provider (AWS vs. GCP vs. Azure).
-

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 5 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  On Track

User Story	Points	Status	Progress	Owner
API Gateway & Deployment	5	In Progress	40%	Alberto
Frontend-Backend Integration	4	In Progress	60%	Mauricio
User Management Service	4	In Progress	70%	Christian
Audit Service	3	In Progress	75%	Isaac

Overall Sprint Progress: 35% complete (*exceptionally strong start*)

Blockers and Impediments

Active Blockers

- **SSL Certificate Approval Delay (Minor)**
 - *Impact:* Delays HTTPS testing in staging environment.
 - *Expected Resolution:* November 9, 2025.
 - **Production Cloud Provider Decision Pending (Medium)**
 - *Impact:* Cannot provision production infrastructure until decided.
 - *Expected Resolution:* November 9, 2025.
-

Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging.
- User Management Service (Port 8002) deployed ahead of schedule.
- Audit Service (Port 8007) deployed ahead of schedule.
- 4 out of 7 services registered with API Gateway (57% complete).
- Frontend authentication flow progressed from 50% to 75% complete.

Team Achievements

- Strong start with 35% overall sprint progress by Day 5.

- Excellent collaboration between frontend and backend teams.
 - All High-Priority stories actively in progress.
 - Zero critical blockers identified.
 - Team morale and engagement remain high.
-

Action Items for Tomorrow (November 7, 2025)

- **Mauricio:** Schedule pair programming session with Christian (10:00 AM).
 - **Alexis:** Complete database performance testing and share results.
 - **Christian:** Implement team invitation system and integrate SMTP.
 - **Isaac:** Complete audit log export functionality.
 - **Alberto:** Register remaining services with Kong and obtain SSL certificates.
 - **Integration Session:** Alberto + Christian – API Gateway service registration (8:00 PM).
-

Meeting Conclusion

Sprint Status:  On Track – Excellent progress on Day 5

Key Takeaways

- All High-Priority stories are actively in progress with significant advancement.
- User Management and Audit Services ahead of schedule.
- API Gateway integration proceeding smoothly (40% complete).
- Frontend authentication nearing completion (75% complete).

- Zero critical blockers; only minor impediments remain.
- Team collaboration and morale exceptionally high.

Confidence Level: 9/10 for sprint success

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key – Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 13, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Sprint: Final Sprint (Pre-Production)

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging.
- Created database migration scripts for User Management Service tables.
- Implemented database connection pooling configuration.
- Collaborated with Isaac on audit log table structure and retention policies.

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second).
- Implement stored procedures for team member management operations.
- Work with Christian on database queries for User Management Service API endpoints.
- Set up database monitoring dashboards in staging environment.

Hurdles:

- Need clarification on user permission model complexity.
 - Supabase connection pool limits may need adjustment.
-

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components.
- Completed responsive layout refinements for mobile devices.
- Implemented standardized error handling across frontend API calls.
- Began integration work with User Management Service API endpoints.

What is planned:

- Complete user profile management UI integration.
- Implement team management interface.
- Add accessibility tags and keyboard navigation.
- Conduct cross-browser testing for updated authentication flow.

Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed.
 - Need API documentation examples for team invitation workflow.
-

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Designed complete User Management Service architecture.

- Implemented user profile CRUD API endpoints – fully functional.
- Created role-based access control (RBAC) middleware.
- Developed team creation API endpoint with validation.
- Wrote unit tests for user profile endpoints (92% coverage).
- Deployed User Management Service (Port 8002) to staging successfully.

What is planned:

- Complete team member invitation system.
- Implement team member management endpoints.
- Build permission system for vault sharing.
- Integrate with Notification Service for team activity alerts.
- Write integration tests for user management workflows.

Hurdles:

- Email notification integration depends on SMTP configuration.
- Need to decide on invite token expiration policy (suggested: 7 days).

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007).
- Implemented audit log data model and database integration.
- Created audit log query API with filtering capabilities.
- Developed logging integration for Auth Service and Vault Service.
- Set up Prometheus metrics endpoints for audit service monitoring.

- Deployed Audit Service to staging and verified functionality.

What is planned:

- Complete audit log export functionality (CSV, JSON formats).
- Implement log aggregation for multi-service event correlation.
- Integrate audit logging with User Management Service events.
- Create log retention cleanup job (90-day retention policy).
- Conduct security testing of audit log access controls.

Hurdles:

- Log volume estimation needed for production capacity planning.
- Need to coordinate with all service owners for consistent logging format.

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Successfully installed and configured Kong API Gateway in staging.
- Registered Auth Service (Port 8001) with Kong – routing functional.
- Registered Vault Service (Port 8003) with Kong – routing functional.
- Registered Encryption Service (Port 8005) with Kong – routing functional.
- Registered Notification Service (Port 8006) with Kong – routing functional.
- Configured rate-limiting plugin (100 requests/minute per service).
- Implemented JWT authentication plugin for service-to-service communication.
- Set up Prometheus plugin for Kong metrics collection.
- Created health check endpoints for all registered services.

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong.
 - Configure SSL/TLS certificates for staging environment.
 - Set up load balancing for high-traffic services.
 - Implement API versioning strategy (/v1/ prefix).
 - Provision production cloud infrastructure.
 - Configure CI/CD pipeline for automated deployments.
- Hurdles:**
- Waiting for SSL certificate approval from Let's Encrypt.
 - Production cloud infrastructure requires final budget approval.
 - Need decision on production cloud provider (AWS vs. GCP vs. Azure).
-

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 5 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  On Track

User Story	Points	Status	Progress	Owner
API Gateway & Deployment	5	In Progress	40%	Alberto
Frontend-Backend Integration	4	In Progress	60%	Mauricio
User Management Service	4	In Progress	70%	Christian
Audit Service	3	In Progress	75%	Isaac

Overall Sprint Progress: 35% complete (*exceptionally strong start*)

Blockers and Impediments

Active Blockers

- **SSL Certificate Approval Delay (Minor)**
 - *Impact:* Delays HTTPS testing in staging environment.
 - *Expected Resolution:* November 9, 2025.
 - **Production Cloud Provider Decision Pending (Medium)**
 - *Impact:* Cannot provision production infrastructure until decided.
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Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging.
- User Management Service (Port 8002) deployed ahead of schedule.
- Audit Service (Port 8007) deployed ahead of schedule.
- 4 out of 7 services registered with API Gateway (57% complete).
- Frontend authentication flow progressed from 50% to 75% complete.

Team Achievements

- Strong start with 35% overall sprint progress by Day 5.

- Excellent collaboration between frontend and backend teams.
 - All High-Priority stories actively in progress.
 - Zero critical blockers identified.
 - Team morale and engagement remain high.
-

Action Items for Tomorrow (November 7, 2025)

- **Mauricio:** Schedule pair programming session with Christian (10:00 AM).
 - **Alexis:** Complete database performance testing and share results.
 - **Christian:** Implement team invitation system and integrate SMTP.
 - **Isaac:** Complete audit log export functionality.
 - **Alberto:** Register remaining services with Kong and obtain SSL certificates.
 - **Integration Session:** Alberto + Christian – API Gateway service registration (8:00 PM).
-

Meeting Conclusion

Sprint Status:  On Track – Excellent progress on Day 5

Key Takeaways

- All High-Priority stories are actively in progress with significant advancement.
- User Management and Audit Services ahead of schedule.
- API Gateway integration proceeding smoothly (40% complete).
- Frontend authentication nearing completion (75% complete).

- Zero critical blockers; only minor impediments remain.
- Team collaboration and morale exceptionally high.

Confidence Level: 9/10 for sprint success

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key – Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 14, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Sprint: Final Sprint (Pre-Production)

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging.
- Created database migration scripts for User Management Service tables.
- Implemented database connection pooling configuration.
- Collaborated with Isaac on audit log table structure and retention policies.

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second).
- Implement stored procedures for team member management operations.
- Work with Christian on database queries for User Management Service API endpoints.
- Set up database monitoring dashboards in staging environment.

Hurdles:

- Need clarification on user permission model complexity.
 - Supabase connection pool limits may need adjustment.
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Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components.
- Completed responsive layout refinements for mobile devices.
- Implemented standardized error handling across frontend API calls.
- Began integration work with User Management Service API endpoints.

What is planned:

- Complete user profile management UI integration.
- Implement team management interface.
- Add accessibility tags and keyboard navigation.
- Conduct cross-browser testing for updated authentication flow.

Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed.
 - Need API documentation examples for team invitation workflow.
-

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Designed complete User Management Service architecture.

- Implemented user profile CRUD API endpoints – fully functional.
- Created role-based access control (RBAC) middleware.
- Developed team creation API endpoint with validation.
- Wrote unit tests for user profile endpoints (92% coverage).
- Deployed User Management Service (Port 8002) to staging successfully.

What is planned:

- Complete team member invitation system.
- Implement team member management endpoints.
- Build permission system for vault sharing.
- Integrate with Notification Service for team activity alerts.
- Write integration tests for user management workflows.

Hurdles:

- Email notification integration depends on SMTP configuration.
- Need to decide on invite token expiration policy (suggested: 7 days).

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007).
- Implemented audit log data model and database integration.
- Created audit log query API with filtering capabilities.
- Developed logging integration for Auth Service and Vault Service.

- Set up Prometheus metrics endpoints for audit service monitoring.
- Deployed Audit Service to staging and verified functionality.

What is planned:

- Complete audit log export functionality (CSV, JSON formats).
- Implement log aggregation for multi-service event correlation.
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Hurdles:

- Log volume estimation needed for production capacity planning.
 - Need to coordinate with all service owners for consistent logging format.
-

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Successfully installed and configured Kong API Gateway in staging.
- Registered Auth Service (Port 8001) with Kong – routing functional.
- Registered Vault Service (Port 8003) with Kong – routing functional.
- Registered Encryption Service (Port 8005) with Kong – routing functional.
- Registered Notification Service (Port 8006) with Kong – routing functional.
- Configured rate-limiting plugin (100 requests/minute per service).
- Implemented JWT authentication plugin for service-to-service communication.

- Set up Prometheus plugin for Kong metrics collection.
- Created health check endpoints for all registered services.

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong.
- Configure SSL/TLS certificates for staging environment.
- Set up load balancing for high-traffic services.
- Implement API versioning strategy (/v1/ prefix).
- Provision production cloud infrastructure.
- Configure CI/CD pipeline for automated deployments.

Hurdles:

- Waiting for SSL certificate approval from Let's Encrypt.
- Production cloud infrastructure requires final budget approval.
- Need decision on production cloud provider (AWS vs. GCP vs. Azure).

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 5 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  On Track

User Story	Points	Status	Progress	Owner
API Gateway & Deployment	5	In Progress	40%	Alberto

Frontend-Backend Integration	4	In Progress	60%	Mauricio
User Management Service	4	In Progress	70%	Christian
Audit Service	3	In Progress	75%	Isaac

Overall Sprint Progress: 35% complete (*exceptionally strong start*)

Blockers and Impediments

Active Blockers

- **SSL Certificate Approval Delay (Minor)**
 - *Impact:* Delays HTTPS testing in staging environment.
 - *Expected Resolution:* November 9, 2025.
 - **Production Cloud Provider Decision Pending (Medium)**
 - *Impact:* Cannot provision production infrastructure until decided.
 - *Expected Resolution:* November 9, 2025.
-

Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging.
- User Management Service (Port 8002) deployed ahead of schedule.
- Audit Service (Port 8007) deployed ahead of schedule.

- 4 out of 7 services registered with API Gateway (57% complete).
- Frontend authentication flow progressed from 50% to 75% complete.

Team Achievements

- Strong start with 35% overall sprint progress by Day 5.
 - Excellent collaboration between frontend and backend teams.
 - All High-Priority stories actively in progress.
 - Zero critical blockers identified.
 - Team morale and engagement remain high.
-

Action Items for Tomorrow (November 7, 2025)

- **Mauricio:** Schedule pair programming session with Christian (10:00 AM).
 - **Alexis:** Complete database performance testing and share results.
 - **Christian:** Implement team invitation system and integrate SMTP.
 - **Isaac:** Complete audit log export functionality.
 - **Alberto:** Register remaining services with Kong and obtain SSL certificates.
 - **Integration Session:** Alberto + Christian – API Gateway service registration (8:00 PM).
-

Meeting Conclusion

Sprint Status:  On Track – Excellent progress on Day 5

Key Takeaways

- All High-Priority stories are actively in progress with significant advancement.
- User Management and Audit Services ahead of schedule.
- API Gateway integration proceeding smoothly (40% complete).
- Frontend authentication nearing completion (75% complete).
- Zero critical blockers; only minor impediments remain.
- Team collaboration and morale exceptionally high.

Confidence Level: 9/10 for sprint success

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key – Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 17, 2025

Start Time: 6:00 PM

End Time: 7:00 PM

Sprint: Final Sprint

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging.
- Created database migration scripts for User Management Service tables.
- Implemented database connection pooling configuration.
- Collaborated with Isaac on audit log table structure and retention policies.

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second).
- Implement stored procedures for team member management operations.
- Work with Christian on database queries for User Management Service API endpoints.
- Set up database monitoring dashboards in staging environment.

Hurdles:

- Need clarification on user permission model complexity.
 - Supabase connection pool limits may need adjustment.
-

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components.
- Completed responsive layout refinements for mobile devices.
- Implemented standardized error handling across frontend API calls.
- Began integration work with User Management Service API endpoints.

What is planned:

- Complete user profile management UI integration.
- Implement team management interface.
- Add accessibility tags and keyboard navigation.
- Conduct cross-browser testing for updated authentication flow.

Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed.
 - Need API documentation examples for team invitation workflow.
-

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Designed complete User Management Service architecture.

- Implemented user profile CRUD API endpoints – fully functional.
- Created role-based access control (RBAC) middleware.
- Developed team creation API endpoint with validation.
- Wrote unit tests for user profile endpoints (92% coverage).
- Deployed User Management Service (Port 8002) to staging successfully.

What is planned:

- Complete team member invitation system.
- Implement team member management endpoints.
- Build permission system for vault sharing.
- Integrate with Notification Service for team activity alerts.
- Write integration tests for user management workflows.

Hurdles:

- Email notification integration depends on SMTP configuration.
- Need to decide on invite token expiration policy (suggested: 7 days).

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007).
- Implemented audit log data model and database integration.
- Created audit log query API with filtering capabilities.
- Developed logging integration for Auth Service and Vault Service.

- Set up Prometheus metrics endpoints for audit service monitoring.
- Deployed Audit Service to staging and verified functionality.

What is planned:

- Complete audit log export functionality (CSV, JSON formats).
- Implement log aggregation for multi-service event correlation.
- Integrate audit logging with User Management Service events.
- Create log retention cleanup job (90-day retention policy).
- Conduct security testing of audit log access controls.

Hurdles:

- Log volume estimation needed for production capacity planning.
- Need to coordinate with all service owners for consistent logging format.

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Successfully installed and configured Kong API Gateway in staging.
- Registered Auth Service (Port 8001) with Kong – routing functional.
- Registered Vault Service (Port 8003) with Kong – routing functional.
- Registered Encryption Service (Port 8005) with Kong – routing functional.
- Registered Notification Service (Port 8006) with Kong – routing functional.
- Configured rate-limiting plugin (100 requests/minute per service).
- Implemented JWT authentication plugin for service-to-service communication.

- Set up Prometheus plugin for Kong metrics collection.
- Created health check endpoints for all registered services.

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong.
- Configure SSL/TLS certificates for staging environment.
- Set up load balancing for high-traffic services.
- Implement API versioning strategy (/v1/ prefix).
- Provision production cloud infrastructure.
- Configure CI/CD pipeline for automated deployments.

Hurdles:

- Waiting for SSL certificate approval from Let's Encrypt.
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Target Velocity: 20 story points

Completed: 0 story points (Day 5 of 14)

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Overall Sprint Progress: 35% complete (*exceptionally strong start*)

Blockers and Impediments

Active Blockers

- **SSL Certificate Approval Delay (Minor)**
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Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging.
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Action Items for Tomorrow (November 7, 2025)

- **Mauricio:** Schedule pair programming session with Christian (10:00 AM).
 - **Alexis:** Complete database performance testing and share results.
 - **Christian:** Implement team invitation system and integrate SMTP.
 - **Isaac:** Complete audit log export functionality.
 - **Alberto:** Register remaining services with Kong and obtain SSL certificates.
 - **Integration Session:** Alberto + Christian – API Gateway service registration (8:00 PM).
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Meeting Conclusion

Sprint Status:  On Track – Excellent progress on Day 5

Key Takeaways

- All High-Priority stories are actively in progress with significant advancement.
- User Management and Audit Services ahead of schedule.
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- Team collaboration and morale exceptionally high.

Confidence Level: 9/10 for sprint success

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key – Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 18, 2025

Start Time: 6:00 PM

End Time: 7:00 PM

Sprint: Final Sprint (Pre-Production)

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging.
- Created database migration scripts for User Management Service tables.
- Implemented database connection pooling configuration.
- Collaborated with Isaac on audit log table structure and retention policies.

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second).
- Implement stored procedures for team member management operations.
- Work with Christian on database queries for User Management Service API endpoints.
- Set up database monitoring dashboards in staging environment.

Hurdles:

- Need clarification on user permission model complexity.
 - Supabase connection pool limits may need adjustment.
-

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components.
- Completed responsive layout refinements for mobile devices.
- Implemented standardized error handling across frontend API calls.
- Began integration work with User Management Service API endpoints.

What is planned:

- Complete user profile management UI integration.
- Implement team management interface.
- Add accessibility tags and keyboard navigation.
- Conduct cross-browser testing for updated authentication flow.

Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed.
 - Need API documentation examples for team invitation workflow.
-

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Designed complete User Management Service architecture.

- Implemented user profile CRUD API endpoints – fully functional.
- Created role-based access control (RBAC) middleware.
- Developed team creation API endpoint with validation.
- Wrote unit tests for user profile endpoints (92% coverage).
- Deployed User Management Service (Port 8002) to staging successfully.

What is planned:

- Complete team member invitation system.
- Implement team member management endpoints.
- Build permission system for vault sharing.
- Integrate with Notification Service for team activity alerts.
- Write integration tests for user management workflows.

Hurdles:

- Email notification integration depends on SMTP configuration.
- Need to decide on invite token expiration policy (suggested: 7 days).

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007).
- Implemented audit log data model and database integration.
- Created audit log query API with filtering capabilities.
- Developed logging integration for Auth Service and Vault Service.
- Set up Prometheus metrics endpoints for audit service monitoring.

- Deployed Audit Service to staging and verified functionality.

What is planned:

- Complete audit log export functionality (CSV, JSON formats).
- Implement log aggregation for multi-service event correlation.
- Integrate audit logging with User Management Service events.
- Create log retention cleanup job (90-day retention policy).
- Conduct security testing of audit log access controls.

Hurdles:

- Log volume estimation needed for production capacity planning.
- Need to coordinate with all service owners for consistent logging format.

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Successfully installed and configured Kong API Gateway in staging.
- Registered Auth Service (Port 8001) with Kong – routing functional.
- Registered Vault Service (Port 8003) with Kong – routing functional.
- Registered Encryption Service (Port 8005) with Kong – routing functional.
- Registered Notification Service (Port 8006) with Kong – routing functional.
- Configured rate-limiting plugin (100 requests/minute per service).
- Implemented JWT authentication plugin for service-to-service communication.
- Set up Prometheus plugin for Kong metrics collection.
- Created health check endpoints for all registered services.

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong.
 - Configure SSL/TLS certificates for staging environment.
 - Set up load balancing for high-traffic services.
 - Implement API versioning strategy (/v1/ prefix).
 - Provision production cloud infrastructure.
 - Configure CI/CD pipeline for automated deployments.
- Hurdles:**
- Waiting for SSL certificate approval from Let's Encrypt.
 - Production cloud infrastructure requires final budget approval.
 - Need decision on production cloud provider (AWS vs. GCP vs. Azure).
-

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 5 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  On Track

User Story	Points	Status	Progress	Owner
API Gateway & Deployment	5	In Progress	40%	Alberto
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User Management Service	4	In Progress	70%	Christian
Audit Service	3	In Progress	75%	Isaac

Overall Sprint Progress: 35% complete (*exceptionally strong start*)

Blockers and Impediments

Active Blockers

- **SSL Certificate Approval Delay (Minor)**
 - *Impact:* Delays HTTPS testing in staging environment.
 - *Expected Resolution:* November 9, 2025.
 - **Production Cloud Provider Decision Pending (Medium)**
 - *Impact:* Cannot provision production infrastructure until decided.
 - *Expected Resolution:* November 9, 2025.
-

Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging.
- User Management Service (Port 8002) deployed ahead of schedule.
- Audit Service (Port 8007) deployed ahead of schedule.
- 4 out of 7 services registered with API Gateway (57% complete).
- Frontend authentication flow progressed from 50% to 75% complete.

Team Achievements

- Strong start with 35% overall sprint progress by Day 5.

- Excellent collaboration between frontend and backend teams.
 - All High-Priority stories actively in progress.
 - Zero critical blockers identified.
 - Team morale and engagement remain high.
-

Action Items for Tomorrow (November 7, 2025)

- **Mauricio:** Schedule pair programming session with Christian (10:00 AM).
 - **Alexis:** Complete database performance testing and share results.
 - **Christian:** Implement team invitation system and integrate SMTP.
 - **Isaac:** Complete audit log export functionality.
 - **Alberto:** Register remaining services with Kong and obtain SSL certificates.
 - **Integration Session:** Alberto + Christian – API Gateway service registration (8:00 PM).
-

Meeting Conclusion

Sprint Status:  On Track – Excellent progress on Day 5

Key Takeaways

- All High-Priority stories are actively in progress with significant advancement.
- User Management and Audit Services ahead of schedule.
- API Gateway integration proceeding smoothly (40% complete).
- Frontend authentication nearing completion (75% complete).

- Zero critical blockers; only minor impediments remain.
- Team collaboration and morale exceptionally high.

Confidence Level: 9/10 for sprint success

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key – Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 19, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Sprint: Final Sprint (Pre-Production)

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging.
- Created database migration scripts for User Management Service tables.
- Implemented database connection pooling configuration.
- Collaborated with Isaac on audit log table structure and retention policies.

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second).
- Implement stored procedures for team member management operations.
- Work with Christian on database queries for User Management Service API endpoints.
- Set up database monitoring dashboards in staging environment.

Hurdles:

- Need clarification on user permission model complexity.
 - Supabase connection pool limits may need adjustment.
-

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components.
- Completed responsive layout refinements for mobile devices.
- Implemented standardized error handling across frontend API calls.
- Began integration work with User Management Service API endpoints.

What is planned:

- Complete user profile management UI integration.
- Implement team management interface.
- Add accessibility tags and keyboard navigation.
- Conduct cross-browser testing for updated authentication flow.

Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed.
 - Need API documentation examples for team invitation workflow.
-

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Designed complete User Management Service architecture.

- Implemented user profile CRUD API endpoints – fully functional.
- Created role-based access control (RBAC) middleware.
- Developed team creation API endpoint with validation.
- Wrote unit tests for user profile endpoints (92% coverage).
- Deployed User Management Service (Port 8002) to staging successfully.

What is planned:

- Complete team member invitation system.
- Implement team member management endpoints.
- Build permission system for vault sharing.
- Integrate with Notification Service for team activity alerts.
- Write integration tests for user management workflows.

Hurdles:

- Email notification integration depends on SMTP configuration.
- Need to decide on invite token expiration policy (suggested: 7 days).

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007).
- Implemented audit log data model and database integration.
- Created audit log query API with filtering capabilities.
- Developed logging integration for Auth Service and Vault Service.
- Set up Prometheus metrics endpoints for audit service monitoring.

- Deployed Audit Service to staging and verified functionality.

What is planned:

- Complete audit log export functionality (CSV, JSON formats).
- Implement log aggregation for multi-service event correlation.
- Integrate audit logging with User Management Service events.
- Create log retention cleanup job (90-day retention policy).
- Conduct security testing of audit log access controls.

Hurdles:

- Log volume estimation needed for production capacity planning.
- Need to coordinate with all service owners for consistent logging format.

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Successfully installed and configured Kong API Gateway in staging.
- Registered Auth Service (Port 8001) with Kong – routing functional.
- Registered Vault Service (Port 8003) with Kong – routing functional.
- Registered Encryption Service (Port 8005) with Kong – routing functional.
- Registered Notification Service (Port 8006) with Kong – routing functional.
- Configured rate-limiting plugin (100 requests/minute per service).
- Implemented JWT authentication plugin for service-to-service communication.
- Set up Prometheus plugin for Kong metrics collection.
- Created health check endpoints for all registered services.

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong.
 - Configure SSL/TLS certificates for staging environment.
 - Set up load balancing for high-traffic services.
 - Implement API versioning strategy (/v1/ prefix).
 - Provision production cloud infrastructure.
 - Configure CI/CD pipeline for automated deployments.
- Hurdles:**
- Waiting for SSL certificate approval from Let's Encrypt.
 - Production cloud infrastructure requires final budget approval.
 - Need decision on production cloud provider (AWS vs. GCP vs. Azure).
-

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 5 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  On Track

User Story	Points	Status	Progress	Owner
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Overall Sprint Progress: 35% complete (*exceptionally strong start*)

Blockers and Impediments

Active Blockers

- **SSL Certificate Approval Delay (Minor)**
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Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging.
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Meeting Conclusion

Sprint Status:  On Track – Excellent progress on Day 5

Key Takeaways

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Confidence Level: 9/10 for sprint success

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key – Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 20, 2025

Start Time: 7:00 PM

End Time: 8:00 PM

Sprint: Final Sprint (Pre-Production)

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging.
- Created database migration scripts for User Management Service tables.
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- Collaborated with Isaac on audit log table structure and retention policies.

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second).
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- Work with Christian on database queries for User Management Service API endpoints.
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Hurdles:

- Need clarification on user permission model complexity.
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Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

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Hurdles:

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Hours worked since last meeting: 4 hours

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Hours worked since last meeting: 4 hours

What was done:

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Hurdles:

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Alberto Espinoza

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Blockers and Impediments

Active Blockers

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Achievements and Wins

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-

Meeting Conclusion

Sprint Status:  On Track – Excellent progress on Day 5

Key Takeaways

- All High-Priority stories are actively in progress with significant advancement.
- User Management and Audit Services ahead of schedule.
- API Gateway integration proceeding smoothly (40% complete).
- Frontend authentication nearing completion (75% complete).

- Zero critical blockers; only minor impediments remain.
- Team collaboration and morale exceptionally high.

Confidence Level: 9/10 for sprint success

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key – Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 21, 2025

Start Time: 6:00 PM

End Time: 7:00 PM

Sprint: Final Sprint

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging.
- Created database migration scripts for User Management Service tables.
- Implemented database connection pooling configuration.
- Collaborated with Isaac on audit log table structure and retention policies.

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second).
- Implement stored procedures for team member management operations.
- Work with Christian on database queries for User Management Service API endpoints.
- Set up database monitoring dashboards in staging environment.

Hurdles:

- Need clarification on user permission model complexity.
 - Supabase connection pool limits may need adjustment.
-

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components.
- Completed responsive layout refinements for mobile devices.
- Implemented standardized error handling across frontend API calls.
- Began integration work with User Management Service API endpoints.

What is planned:

- Complete user profile management UI integration.
- Implement team management interface.
- Add accessibility tags and keyboard navigation.
- Conduct cross-browser testing for updated authentication flow.

Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed.
 - Need API documentation examples for team invitation workflow.
-

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Designed complete User Management Service architecture.

- Implemented user profile CRUD API endpoints – fully functional.
- Created role-based access control (RBAC) middleware.
- Developed team creation API endpoint with validation.
- Wrote unit tests for user profile endpoints (92% coverage).
- Deployed User Management Service (Port 8002) to staging successfully.

What is planned:

- Complete team member invitation system.
- Implement team member management endpoints.
- Build permission system for vault sharing.
- Integrate with Notification Service for team activity alerts.
- Write integration tests for user management workflows.

Hurdles:

- Email notification integration depends on SMTP configuration.
- Need to decide on invite token expiration policy (suggested: 7 days).

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007).
- Implemented audit log data model and database integration.
- Created audit log query API with filtering capabilities.
- Developed logging integration for Auth Service and Vault Service.
- Set up Prometheus metrics endpoints for audit service monitoring.

- Deployed Audit Service to staging and verified functionality.

What is planned:

- Complete audit log export functionality (CSV, JSON formats).
- Implement log aggregation for multi-service event correlation.
- Integrate audit logging with User Management Service events.
- Create log retention cleanup job (90-day retention policy).
- Conduct security testing of audit log access controls.

Hurdles:

- Log volume estimation needed for production capacity planning.
- Need to coordinate with all service owners for consistent logging format.

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Successfully installed and configured Kong API Gateway in staging.
- Registered Auth Service (Port 8001) with Kong – routing functional.
- Registered Vault Service (Port 8003) with Kong – routing functional.
- Registered Encryption Service (Port 8005) with Kong – routing functional.
- Registered Notification Service (Port 8006) with Kong – routing functional.
- Configured rate-limiting plugin (100 requests/minute per service).
- Implemented JWT authentication plugin for service-to-service communication.
- Set up Prometheus plugin for Kong metrics collection.
- Created health check endpoints for all registered services.

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong.
 - Configure SSL/TLS certificates for staging environment.
 - Set up load balancing for high-traffic services.
 - Implement API versioning strategy (/v1/ prefix).
 - Provision production cloud infrastructure.
 - Configure CI/CD pipeline for automated deployments.
- Hurdles:**
- Waiting for SSL certificate approval from Let's Encrypt.
 - Production cloud infrastructure requires final budget approval.
 - Need decision on production cloud provider (AWS vs. GCP vs. Azure).
-

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 5 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  On Track

User Story	Points	Status	Progress	Owner
API Gateway & Deployment	5	In Progress	40%	Alberto
Frontend-Backend Integration	4	In Progress	60%	Mauricio
User Management Service	4	In Progress	70%	Christian
Audit Service	3	In Progress	75%	Isaac

Overall Sprint Progress: 35% complete (*exceptionally strong start*)

Blockers and Impediments

Active Blockers

- **SSL Certificate Approval Delay (Minor)**
 - *Impact:* Delays HTTPS testing in staging environment.
 - *Expected Resolution:* November 9, 2025.
 - **Production Cloud Provider Decision Pending (Medium)**
 - *Impact:* Cannot provision production infrastructure until decided.
 - *Expected Resolution:* November 9, 2025.
-

Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging.
- User Management Service (Port 8002) deployed ahead of schedule.
- Audit Service (Port 8007) deployed ahead of schedule.
- 4 out of 7 services registered with API Gateway (57% complete).
- Frontend authentication flow progressed from 50% to 75% complete.

Team Achievements

- Strong start with 35% overall sprint progress by Day 5.

- Excellent collaboration between frontend and backend teams.
 - All High-Priority stories actively in progress.
 - Zero critical blockers identified.
 - Team morale and engagement remain high.
-

Action Items for Tomorrow (November 7, 2025)

- **Mauricio:** Schedule pair programming session with Christian (10:00 AM).
 - **Alexis:** Complete database performance testing and share results.
 - **Christian:** Implement team invitation system and integrate SMTP.
 - **Isaac:** Complete audit log export functionality.
 - **Alberto:** Register remaining services with Kong and obtain SSL certificates.
 - **Integration Session:** Alberto + Christian – API Gateway service registration (8:00 PM).
-

Meeting Conclusion

Sprint Status:  On Track – Excellent progress on Day 5

Key Takeaways

- All High-Priority stories are actively in progress with significant advancement.
- User Management and Audit Services ahead of schedule.
- API Gateway integration proceeding smoothly (40% complete).
- Frontend authentication nearing completion (75% complete).

- Zero critical blockers; only minor impediments remain.
- Team collaboration and morale exceptionally high.

Confidence Level: 9/10 for sprint success

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key – Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 24, 2025

Start Time: 6:00 PM

End Time: 7:00 PM

Sprint: Final Sprint

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging.
- Created database migration scripts for User Management Service tables.
- Implemented database connection pooling configuration.
- Collaborated with Isaac on audit log table structure and retention policies.

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second).
- Implement stored procedures for team member management operations.
- Work with Christian on database queries for User Management Service API endpoints.
- Set up database monitoring dashboards in staging environment.

Hurdles:

- Need clarification on user permission model complexity.
 - Supabase connection pool limits may need adjustment.
-

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components.
- Completed responsive layout refinements for mobile devices.
- Implemented standardized error handling across frontend API calls.
- Began integration work with User Management Service API endpoints.

What is planned:

- Complete user profile management UI integration.
- Implement team management interface.
- Add accessibility tags and keyboard navigation.
- Conduct cross-browser testing for updated authentication flow.

Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed.
 - Need API documentation examples for team invitation workflow.
-

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Designed complete User Management Service architecture.

- Implemented user profile CRUD API endpoints – fully functional.
- Created role-based access control (RBAC) middleware.
- Developed team creation API endpoint with validation.
- Wrote unit tests for user profile endpoints (92% coverage).
- Deployed User Management Service (Port 8002) to staging successfully.

What is planned:

- Complete team member invitation system.
- Implement team member management endpoints.
- Build permission system for vault sharing.
- Integrate with Notification Service for team activity alerts.
- Write integration tests for user management workflows.

Hurdles:

- Email notification integration depends on SMTP configuration.
- Need to decide on invite token expiration policy (suggested: 7 days).

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007).
- Implemented audit log data model and database integration.
- Created audit log query API with filtering capabilities.
- Developed logging integration for Auth Service and Vault Service.

- Set up Prometheus metrics endpoints for audit service monitoring.
- Deployed Audit Service to staging and verified functionality.

What is planned:

- Complete audit log export functionality (CSV, JSON formats).
- Implement log aggregation for multi-service event correlation.
- Integrate audit logging with User Management Service events.
- Create log retention cleanup job (90-day retention policy).
- Conduct security testing of audit log access controls.

Hurdles:

- Log volume estimation needed for production capacity planning.
- Need to coordinate with all service owners for consistent logging format.

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Successfully installed and configured Kong API Gateway in staging.
- Registered Auth Service (Port 8001) with Kong – routing functional.
- Registered Vault Service (Port 8003) with Kong – routing functional.
- Registered Encryption Service (Port 8005) with Kong – routing functional.
- Registered Notification Service (Port 8006) with Kong – routing functional.
- Configured rate-limiting plugin (100 requests/minute per service).
- Implemented JWT authentication plugin for service-to-service communication.

- Set up Prometheus plugin for Kong metrics collection.
- Created health check endpoints for all registered services.

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong.
- Configure SSL/TLS certificates for staging environment.
- Set up load balancing for high-traffic services.
- Implement API versioning strategy (/v1/ prefix).
- Provision production cloud infrastructure.
- Configure CI/CD pipeline for automated deployments.

Hurdles:

- Waiting for SSL certificate approval from Let's Encrypt.
- Production cloud infrastructure requires final budget approval.
- Need decision on production cloud provider (AWS vs. GCP vs. Azure).

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 5 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  On Track

User Story	Point s	Status	Progres s	Owner
API Gateway & Deployment	5	In Progress	40%	Alberto

Frontend-Backend Integration	4	In Progress	60%	Mauricio
User Management Service	4	In Progress	70%	Christian
Audit Service	3	In Progress	75%	Isaac

Overall Sprint Progress: 35% complete (*exceptionally strong start*)

Blockers and Impediments

Active Blockers

- **SSL Certificate Approval Delay (Minor)**
 - *Impact:* Delays HTTPS testing in staging environment.
 - *Expected Resolution:* November 9, 2025.
 - **Production Cloud Provider Decision Pending (Medium)**
 - *Impact:* Cannot provision production infrastructure until decided.
 - *Expected Resolution:* November 9, 2025.
-

Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging.
- User Management Service (Port 8002) deployed ahead of schedule.
- Audit Service (Port 8007) deployed ahead of schedule.

- 4 out of 7 services registered with API Gateway (57% complete).
- Frontend authentication flow progressed from 50% to 75% complete.

Team Achievements

- Strong start with 35% overall sprint progress by Day 5.
 - Excellent collaboration between frontend and backend teams.
 - All High-Priority stories actively in progress.
 - Zero critical blockers identified.
 - Team morale and engagement remain high.
-

Action Items for Tomorrow (November 7, 2025)

- **Mauricio:** Schedule pair programming session with Christian (10:00 AM).
 - **Alexis:** Complete database performance testing and share results.
 - **Christian:** Implement team invitation system and integrate SMTP.
 - **Isaac:** Complete audit log export functionality.
 - **Alberto:** Register remaining services with Kong and obtain SSL certificates.
 - **Integration Session:** Alberto + Christian – API Gateway service registration (8:00 PM).
-

Meeting Conclusion

Sprint Status:  On Track – Excellent progress on Day 5

Key Takeaways

- All High-Priority stories are actively in progress with significant advancement.
- User Management and Audit Services ahead of schedule.
- API Gateway integration proceeding smoothly (40% complete).
- Frontend authentication nearing completion (75% complete).
- Zero critical blockers; only minor impediments remain.
- Team collaboration and morale exceptionally high.

Confidence Level: 9/10 for sprint success

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key – Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 25, 2025

Start Time: 6:00 PM

End Time: 7:00 PM

Sprint: Final Sprint

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging.
- Created database migration scripts for User Management Service tables.
- Implemented database connection pooling configuration.
- Collaborated with Isaac on audit log table structure and retention policies.

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second).
- Implement stored procedures for team member management operations.
- Work with Christian on database queries for User Management Service API endpoints.
- Set up database monitoring dashboards in staging environment.

Hurdles:

- Need clarification on user permission model complexity.
 - Supabase connection pool limits may need adjustment.
-

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components.
- Completed responsive layout refinements for mobile devices.
- Implemented standardized error handling across frontend API calls.
- Began integration work with User Management Service API endpoints.

What is planned:

- Complete user profile management UI integration.
- Implement team management interface.
- Add accessibility tags and keyboard navigation.
- Conduct cross-browser testing for updated authentication flow.

Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed.
 - Need API documentation examples for team invitation workflow.
-

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Designed complete User Management Service architecture.

- Implemented user profile CRUD API endpoints – fully functional.
- Created role-based access control (RBAC) middleware.
- Developed team creation API endpoint with validation.
- Wrote unit tests for user profile endpoints (92% coverage).
- Deployed User Management Service (Port 8002) to staging successfully.

What is planned:

- Complete team member invitation system.
- Implement team member management endpoints.
- Build permission system for vault sharing.
- Integrate with Notification Service for team activity alerts.
- Write integration tests for user management workflows.

Hurdles:

- Email notification integration depends on SMTP configuration.
- Need to decide on invite token expiration policy (suggested: 7 days).

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007).
- Implemented audit log data model and database integration.
- Created audit log query API with filtering capabilities.
- Developed logging integration for Auth Service and Vault Service.
- Set up Prometheus metrics endpoints for audit service monitoring.

- Deployed Audit Service to staging and verified functionality.

What is planned:

- Complete audit log export functionality (CSV, JSON formats).
- Implement log aggregation for multi-service event correlation.
- Integrate audit logging with User Management Service events.
- Create log retention cleanup job (90-day retention policy).
- Conduct security testing of audit log access controls.

Hurdles:

- Log volume estimation needed for production capacity planning.
- Need to coordinate with all service owners for consistent logging format.

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Successfully installed and configured Kong API Gateway in staging.
- Registered Auth Service (Port 8001) with Kong – routing functional.
- Registered Vault Service (Port 8003) with Kong – routing functional.
- Registered Encryption Service (Port 8005) with Kong – routing functional.
- Registered Notification Service (Port 8006) with Kong – routing functional.
- Configured rate-limiting plugin (100 requests/minute per service).
- Implemented JWT authentication plugin for service-to-service communication.
- Set up Prometheus plugin for Kong metrics collection.
- Created health check endpoints for all registered services.

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong.
 - Configure SSL/TLS certificates for staging environment.
 - Set up load balancing for high-traffic services.
 - Implement API versioning strategy (/v1/ prefix).
 - Provision production cloud infrastructure.
 - Configure CI/CD pipeline for automated deployments.
- Hurdles:**
- Waiting for SSL certificate approval from Let's Encrypt.
 - Production cloud infrastructure requires final budget approval.
 - Need decision on production cloud provider (AWS vs. GCP vs. Azure).
-

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 5 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  On Track

User Story	Points	Status	Progress	Owner
API Gateway & Deployment	5	In Progress	40%	Alberto
Frontend-Backend Integration	4	In Progress	60%	Mauricio
User Management Service	4	In Progress	70%	Christian
Audit Service	3	In Progress	75%	Isaac

Overall Sprint Progress: 35% complete (*exceptionally strong start*)

Blockers and Impediments

Active Blockers

- **SSL Certificate Approval Delay (Minor)**
 - *Impact:* Delays HTTPS testing in staging environment.
 - *Expected Resolution:* November 9, 2025.
 - **Production Cloud Provider Decision Pending (Medium)**
 - *Impact:* Cannot provision production infrastructure until decided.
 - *Expected Resolution:* November 9, 2025.
-

Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging.
- User Management Service (Port 8002) deployed ahead of schedule.
- Audit Service (Port 8007) deployed ahead of schedule.
- 4 out of 7 services registered with API Gateway (57% complete).
- Frontend authentication flow progressed from 50% to 75% complete.

Team Achievements

- Strong start with 35% overall sprint progress by Day 5.

- Excellent collaboration between frontend and backend teams.
 - All High-Priority stories actively in progress.
 - Zero critical blockers identified.
 - Team morale and engagement remain high.
-

Action Items for Tomorrow (November 7, 2025)

- **Mauricio:** Schedule pair programming session with Christian (10:00 AM).
 - **Alexis:** Complete database performance testing and share results.
 - **Christian:** Implement team invitation system and integrate SMTP.
 - **Isaac:** Complete audit log export functionality.
 - **Alberto:** Register remaining services with Kong and obtain SSL certificates.
 - **Integration Session:** Alberto + Christian – API Gateway service registration (8:00 PM).
-

Meeting Conclusion

Sprint Status:  On Track – Excellent progress on Day 5

Key Takeaways

- All High-Priority stories are actively in progress with significant advancement.
- User Management and Audit Services ahead of schedule.
- API Gateway integration proceeding smoothly (40% complete).
- Frontend authentication nearing completion (75% complete).

- Zero critical blockers; only minor impediments remain.
- Team collaboration and morale exceptionally high.

Confidence Level: 9/10 for sprint success

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key – Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 26, 2025

Start Time: 6:00 PM

End Time: 7:00 PM

Sprint: Final Sprint

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging.
- Created database migration scripts for User Management Service tables.
- Implemented database connection pooling configuration.
- Collaborated with Isaac on audit log table structure and retention policies.

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second).
- Implement stored procedures for team member management operations.
- Work with Christian on database queries for User Management Service API endpoints.
- Set up database monitoring dashboards in staging environment.

Hurdles:

- Need clarification on user permission model complexity.
 - Supabase connection pool limits may need adjustment.
-

Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components.
- Completed responsive layout refinements for mobile devices.
- Implemented standardized error handling across frontend API calls.
- Began integration work with User Management Service API endpoints.

What is planned:

- Complete user profile management UI integration.
- Implement team management interface.
- Add accessibility tags and keyboard navigation.
- Conduct cross-browser testing for updated authentication flow.

Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed.
 - Need API documentation examples for team invitation workflow.
-

Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

- Designed complete User Management Service architecture.

- Implemented user profile CRUD API endpoints – fully functional.
- Created role-based access control (RBAC) middleware.
- Developed team creation API endpoint with validation.
- Wrote unit tests for user profile endpoints (92% coverage).
- Deployed User Management Service (Port 8002) to staging successfully.

What is planned:

- Complete team member invitation system.
- Implement team member management endpoints.
- Build permission system for vault sharing.
- Integrate with Notification Service for team activity alerts.
- Write integration tests for user management workflows.

Hurdles:

- Email notification integration depends on SMTP configuration.
- Need to decide on invite token expiration policy (suggested: 7 days).

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007).
- Implemented audit log data model and database integration.
- Created audit log query API with filtering capabilities.
- Developed logging integration for Auth Service and Vault Service.

- Set up Prometheus metrics endpoints for audit service monitoring.
- Deployed Audit Service to staging and verified functionality.

What is planned:

- Complete audit log export functionality (CSV, JSON formats).
- Implement log aggregation for multi-service event correlation.
- Integrate audit logging with User Management Service events.
- Create log retention cleanup job (90-day retention policy).
- Conduct security testing of audit log access controls.

Hurdles:

- Log volume estimation needed for production capacity planning.
- Need to coordinate with all service owners for consistent logging format.

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Successfully installed and configured Kong API Gateway in staging.
- Registered Auth Service (Port 8001) with Kong – routing functional.
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- Registered Encryption Service (Port 8005) with Kong – routing functional.
- Registered Notification Service (Port 8006) with Kong – routing functional.
- Configured rate-limiting plugin (100 requests/minute per service).
- Implemented JWT authentication plugin for service-to-service communication.

- Set up Prometheus plugin for Kong metrics collection.
- Created health check endpoints for all registered services.

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong.
- Configure SSL/TLS certificates for staging environment.
- Set up load balancing for high-traffic services.
- Implement API versioning strategy (/v1/ prefix).
- Provision production cloud infrastructure.
- Configure CI/CD pipeline for automated deployments.

Hurdles:

- Waiting for SSL certificate approval from Let's Encrypt.
- Production cloud infrastructure requires final budget approval.
- Need decision on production cloud provider (AWS vs. GCP vs. Azure).

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 5 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  On Track

User Story	Points	Status	Progress	Owner
API Gateway & Deployment	5	In Progress	40%	Alberto

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User Management Service	4	In Progress	70%	Christian
Audit Service	3	In Progress	75%	Isaac

Overall Sprint Progress: 35% complete (*exceptionally strong start*)

Blockers and Impediments

Active Blockers

- **SSL Certificate Approval Delay (Minor)**
 - *Impact:* Delays HTTPS testing in staging environment.
 - *Expected Resolution:* November 9, 2025.
 - **Production Cloud Provider Decision Pending (Medium)**
 - *Impact:* Cannot provision production infrastructure until decided.
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-

Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging.
- User Management Service (Port 8002) deployed ahead of schedule.
- Audit Service (Port 8007) deployed ahead of schedule.

- 4 out of 7 services registered with API Gateway (57% complete).
- Frontend authentication flow progressed from 50% to 75% complete.

Team Achievements

- Strong start with 35% overall sprint progress by Day 5.
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Action Items for Tomorrow (November 7, 2025)

- **Mauricio:** Schedule pair programming session with Christian (10:00 AM).
 - **Alexis:** Complete database performance testing and share results.
 - **Christian:** Implement team invitation system and integrate SMTP.
 - **Isaac:** Complete audit log export functionality.
 - **Alberto:** Register remaining services with Kong and obtain SSL certificates.
 - **Integration Session:** Alberto + Christian – API Gateway service registration (8:00 PM).
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Meeting Conclusion

Sprint Status:  On Track – Excellent progress on Day 5

Key Takeaways

- All High-Priority stories are actively in progress with significant advancement.
- User Management and Audit Services ahead of schedule.
- API Gateway integration proceeding smoothly (40% complete).
- Frontend authentication nearing completion (75% complete).
- Zero critical blockers; only minor impediments remain.
- Team collaboration and morale exceptionally high.

Confidence Level: 9/10 for sprint success

Daily Scrum Meeting Minutes

Project: Cybersecurity: Lock and Key – Encrypted Password Management and Collaboration System

Attendees: Mauricio Ballart Alvarez, Alexis Henkel, Christian Dominguez, Isaac Quintero, Alberto Espinoza

Date: November 28, 2025

Start Time: 6:00 PM

End Time: 7:00 PM

Sprint: Final Sprint

Daily Scrum Updates

Alexis Henkel

Hours worked since last meeting: 3 hours

What was done:

- Optimized database schema for Audit Service with proper indexing for high-volume logging.
- Created database migration scripts for User Management Service tables.
- Implemented database connection pooling configuration.
- Collaborated with Isaac on audit log table structure and retention policies.

What is planned:

- Complete database performance testing for audit logging (target: 1000+ logs/second).
- Implement stored procedures for team member management operations.
- Work with Christian on database queries for User Management Service API endpoints.
- Set up database monitoring dashboards in staging environment.

Hurdles:

- Need clarification on user permission model complexity.
 - Supabase connection pool limits may need adjustment.
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Mauricio Ballart Alvarez

Hours worked since last meeting: 3 hours

What was done:

- Fixed accessibility attribute conflicts in React components.
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- Implemented standardized error handling across frontend API calls.
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- Complete user profile management UI integration.
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- Add accessibility tags and keyboard navigation.
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Hurdles:

- Waiting for User Management Service API endpoints to be fully deployed.
 - Need API documentation examples for team invitation workflow.
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Christian Dominguez

Hours worked since last meeting: 4 hours

What was done:

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- Implemented user profile CRUD API endpoints – fully functional.
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- Developed team creation API endpoint with validation.
- Wrote unit tests for user profile endpoints (92% coverage).
- Deployed User Management Service (Port 8002) to staging successfully.

What is planned:

- Complete team member invitation system.
- Implement team member management endpoints.
- Build permission system for vault sharing.
- Integrate with Notification Service for team activity alerts.
- Write integration tests for user management workflows.

Hurdles:

- Email notification integration depends on SMTP configuration.
- Need to decide on invite token expiration policy (suggested: 7 days).

Isaac Quintero

Hours worked since last meeting: 4 hours

What was done:

- Completed Audit Service core implementation (Port 8007).
- Implemented audit log data model and database integration.
- Created audit log query API with filtering capabilities.
- Developed logging integration for Auth Service and Vault Service.

- Set up Prometheus metrics endpoints for audit service monitoring.
- Deployed Audit Service to staging and verified functionality.

What is planned:

- Complete audit log export functionality (CSV, JSON formats).
- Implement log aggregation for multi-service event correlation.
- Integrate audit logging with User Management Service events.
- Create log retention cleanup job (90-day retention policy).
- Conduct security testing of audit log access controls.

Hurdles:

- Log volume estimation needed for production capacity planning.
- Need to coordinate with all service owners for consistent logging format.

Alberto Espinoza

Hours worked since last meeting: 5 hours

What was done:

- Successfully installed and configured Kong API Gateway in staging.
- Registered Auth Service (Port 8001) with Kong – routing functional.
- Registered Vault Service (Port 8003) with Kong – routing functional.
- Registered Encryption Service (Port 8005) with Kong – routing functional.
- Registered Notification Service (Port 8006) with Kong – routing functional.
- Configured rate-limiting plugin (100 requests/minute per service).
- Implemented JWT authentication plugin for service-to-service communication.

- Set up Prometheus plugin for Kong metrics collection.
- Created health check endpoints for all registered services.

What is planned:

- Register User Management Service (Port 8002) and Audit Service (Port 8007) with Kong.
- Configure SSL/TLS certificates for staging environment.
- Set up load balancing for high-traffic services.
- Implement API versioning strategy (/v1/ prefix).
- Provision production cloud infrastructure.
- Configure CI/CD pipeline for automated deployments.

Hurdles:

- Waiting for SSL certificate approval from Let's Encrypt.
- Production cloud infrastructure requires final budget approval.
- Need decision on production cloud provider (AWS vs. GCP vs. Azure).

Sprint Progress Summary

Target Velocity: 20 story points

Completed: 0 story points (Day 5 of 14)

In Progress: 16 story points (High Priority stories actively being worked)

Status:  On Track

User Story	Points	Status	Progress	Owner
API Gateway & Deployment	5	In Progress	40%	Alberto

Frontend-Backend Integration	4	In Progress	60%	Mauricio
User Management Service	4	In Progress	70%	Christian
Audit Service	3	In Progress	75%	Isaac

Overall Sprint Progress: 35% complete (*exceptionally strong start*)

Blockers and Impediments

Active Blockers

- **SSL Certificate Approval Delay (Minor)**
 - *Impact:* Delays HTTPS testing in staging environment.
 - *Expected Resolution:* November 9, 2025.
 - **Production Cloud Provider Decision Pending (Medium)**
 - *Impact:* Cannot provision production infrastructure until decided.
 - *Expected Resolution:* November 9, 2025.
-

Achievements and Wins

Technical Achievements

- Kong API Gateway successfully deployed and operational in staging.
- User Management Service (Port 8002) deployed ahead of schedule.
- Audit Service (Port 8007) deployed ahead of schedule.

- 4 out of 7 services registered with API Gateway (57% complete).
- Frontend authentication flow progressed from 50% to 75% complete.

Team Achievements

- Strong start with 35% overall sprint progress by Day 5.
 - Excellent collaboration between frontend and backend teams.
 - All High-Priority stories actively in progress.
 - Zero critical blockers identified.
 - Team morale and engagement remain high.
-

Action Items for Tomorrow (November 7, 2025)

- **Mauricio:** Schedule pair programming session with Christian (10:00 AM).
 - **Alexis:** Complete database performance testing and share results.
 - **Christian:** Implement team invitation system and integrate SMTP.
 - **Isaac:** Complete audit log export functionality.
 - **Alberto:** Register remaining services with Kong and obtain SSL certificates.
 - **Integration Session:** Alberto + Christian – API Gateway service registration (8:00 PM).
-

Meeting Conclusion

Sprint Status:  On Track – Excellent progress on Day 5

Key Takeaways

- All High-Priority stories are actively in progress with significant advancement.
- User Management and Audit Services ahead of schedule.
- API Gateway integration proceeding smoothly (40% complete).
- Frontend authentication nearing completion (75% complete).
- Zero critical blockers; only minor impediments remain.
- Team collaboration and morale exceptionally high.

Confidence Level: 9/10 for sprint success