

Daily Scrum Meeting Minutes

Attendees: Deryn Hurst, Tuntufye Mwakalasya, Maksim Kharutski, Myckheal Hosang, Nicholas Merjech

Start time: 8:30PM

End time: 9:30PM

Deryn Hurst

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Completed cryptographic hashing function
 - Committed changes and pushed to branch locally and remotely
- What is planned to be done until the next scrum meeting?
 - Unsure
- What are the hurdles?
 - None

Tuntufye Mwakalasya

- How many hours did I work since the last meeting?
 - 4
- What was done since the last scrum meeting?
 - Doing code reviews for everyone's code this week to merge into main
- What is planned to be done until the next scrum meeting?
 - Get everyone's PR closed
- What are the hurdles?
 - As of right now nothing

Maksim Kharutski

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Created SSH key and pushed metrics into branch
- What is planned to be done until the next scrum meeting?
 - Metabase research
- What are the hurdles?
 - None

Myckheal Hosang

- How many hours did I work since the last meeting?
 - 4

- What was done since the last scrum meeting?
 - Created a dedicated feature branch for Story #1 — Data consistency verification before failover
 - Analyzed the existing Airflow DAG (ressurrection_dag.py) to understand the pipeline flow
 - Implemented enhancements for Story #1 by adding mathematical integrity verification using:
 - Row count comparison
 - Cryptographic checksum (MD5 hash) comparison of table data
 - Triggered multiple DAG runs in Airflow to test the workflow
 - Diagnosed why downstream tasks were failing by tracing execution through Airflow logs and task states
 - Identified that the failure is isolated to the 2_spin_up_temp task (Docker-in-Docker issue)
 - Confirmed that all earlier tasks (init_prod_data, backup_prod, and decide_path) execute successfully, validating the logic of Story #1
- What is planned to be done until the next scrum meeting?
 - Resolve the 2_spin_up_temp Docker execution issue so the temporary replica database can be created successfully
 - Complete a full green run of the DAG with simulate_corruption = false
 - Capture logs from 5_verify_integrity as proof of successful pre-failover data verification
 - Document how the mathematical verification works for inclusion in the acceptance evidence for Story #1
 - Prepare a pull request from the feature branch for team review
- What are the hurdles?
 - The Airflow container is unable to execute docker run to spin up the temporary replica database, causing the DAG to stop at 2_spin_up_temp
 - Investigating whether this is due to Docker socket mounting or missing Docker CLI inside the Airflow container
 - Requires environment-level debugging rather than logic/code debugging

Nicholas Merjeh

- How many hours did I work since the last meeting?
 - 3
- What was done since the last scrum meeting?
 - Analyzed the existing Airflow DAG (ressurrection_dag.py) to understand the pipeline flow
 - Triggered multiple DAG runs in Airflow to test the workflow

- Confirmed that all earlier tasks (init_prod_data, backup_prod, and decide_path) execute successfully, validating the logic of Story #1
- What is planned to be done until the next scrum meeting?
 - Metabase research
- What are the hurdles?
 - No hurdles