

Sprint Backlog Grooming Meeting Minutes #6

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

Start time: 8:00 PM

End time: 9:00 PM

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

- All user stories were created and discussed

The user stories below are in progress:

- As a Database Administrator, I want the pipeline to automatically run internal catalog integrity checks post-restore so we catch silent database corruption immediately.
- As an Operations Manager, I want a daily Slack summary detailing the success rate and duration of the restoration drills so I have instant visibility into our recovery readiness.
- As a Compliance Auditor, I want the system to generate an immutable, timestamped PDF report of each drill so I have ready-made evidence for our annual security audits.
- As a Data Engineer, I want the sandbox to execute a schema-diff against production so we can verify the restored backup accurately reflects recent database migrations.
- As a DevSecOps Engineer, I want the sandbox environment to automatically destroy all temporary IAM roles and credentials upon drill completion so our cloud attack surface remains minimized.

The user story below is complete:

- User Story #1: As a system engineer, I want the DAG to automatically restore a database snapshot to a sandbox environment and run a "row-count" check so I can verify data integrity.
- User Story #3: As a developer, I want to receive a Slack notification or Webhook trigger immediately if a verification step fails so I can address infrastructure drift in real-time
- User Story #2: I want a task that validates VPC peering and Security Group rules in the recovery region so I can ensure services can talk to each other after a failover
- User Story #4: I want the results of every verification drill to be logged into a persistent dashboard so we have a historical record of our Recovery Time Objectives (RTO).
- User Story #5: I want to enable multi-regional DB Support for our database replicas providing good fallback for our customers
- As a Security Officer, I want the sandbox restoration process to automatically mask PII (Emails, SSNs, Phone Numbers) using a scrubbing script so that we remain compliant with GDPR/SOC2 during integrity drills.

- As a Reliability Engineer, I want a new chaos task that simulates a network partition between the Airflow worker and the recovery region to verify that the pipeline handles connection timeouts gracefully without hanging.
- As a Platform Lead, I want the dialect validation tasks to execute in parallel across multiple Airflow workers so that the total "Window of Uncertainty" for a full-stack drill is reduced to under 15 minutes.
- As a Developer, I want a lightweight Python CLI tool to trigger a "Mini-Lazarus" drill against a local Docker-compose stack so I can verify my **BaseDBStrategy** changes without deploying to the Airflow cluster.
- As a Cost Engineer, I want the pipeline to occasionally pull and verify a random 1% sample of backups from S3 Glacier (Cold Storage) to ensure that archived data hasn't suffered bit-rot over long durations