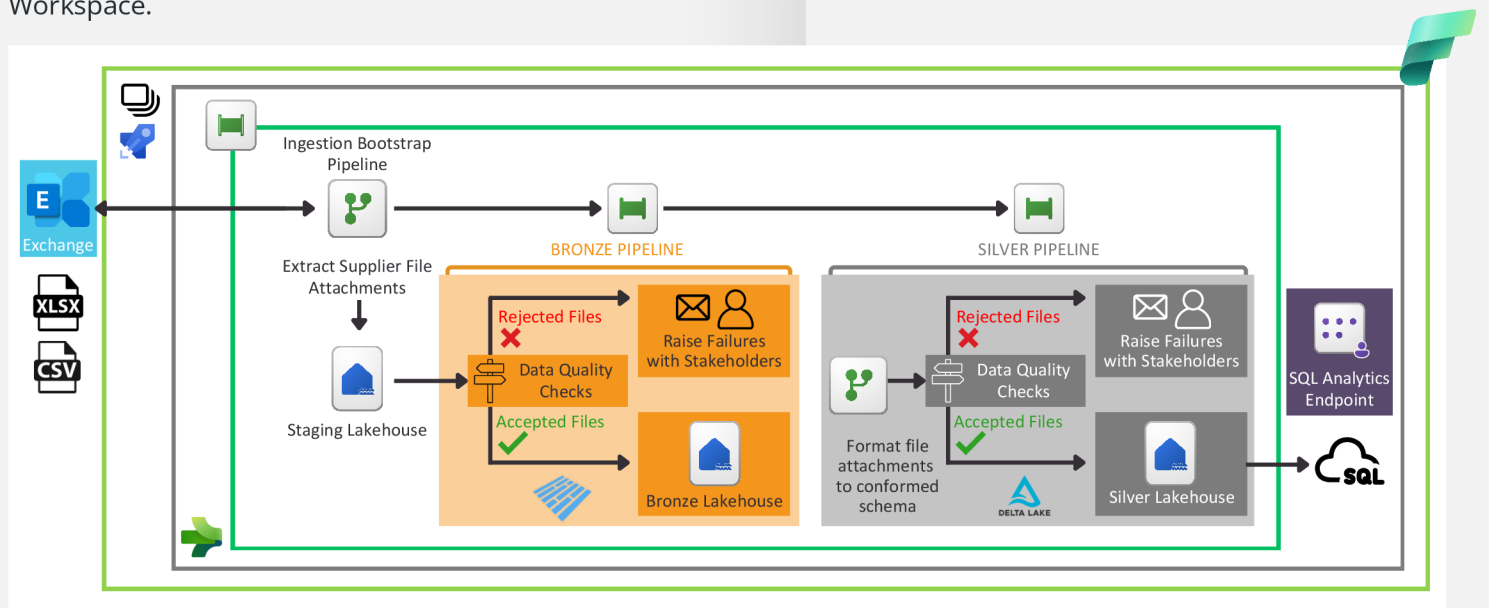


Automated Mailbox Attachment File Ingestion & Processing

Using Microsoft Fabric Low Code Data Flows

Cloud Formations assisted a leading utilities provider in creating a low code data ingestion process from an Office 365 mailbox, with built-in data quality checks to minimise the human effort of investigating the quality of files sent to the inbox. Surfacing results in a Microsoft Fabric Lakehouse Workspace.



Solution Overview

This implementation required tooling familiar to the Finance Team which have ownership of the mailbox contents, and the process. As such, Power Query was used via **Microsoft Fabric Dataflows** to create a low code process for extracting the relevant files from the mailbox in a reproducible and interpretable way. **Microsoft Fabric Data Pipelines** were then used to bootstrap the activities and provide the basis for the required data quality checks and subsequent alerting. Once ingested all data was served through a SQL Analytics Endpoint to users via a **Microsoft Fabric Lakehouse** view offering data to consumers of the compliant files in a Silver data layer ready for further modelling and aggregation in Power BI.

Outcome

- The solution framework allowed the team to:
- Provide business users with a unified view of validated data received in the inbox.
 - Mitigate manual quality troubleshooting tasks.
 - Work with familiar tools with little upskilling requirements.

Timescales

The implementation was produced within a single technical sprint of 10 days, focussed on the following stages:



Want to know more?

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