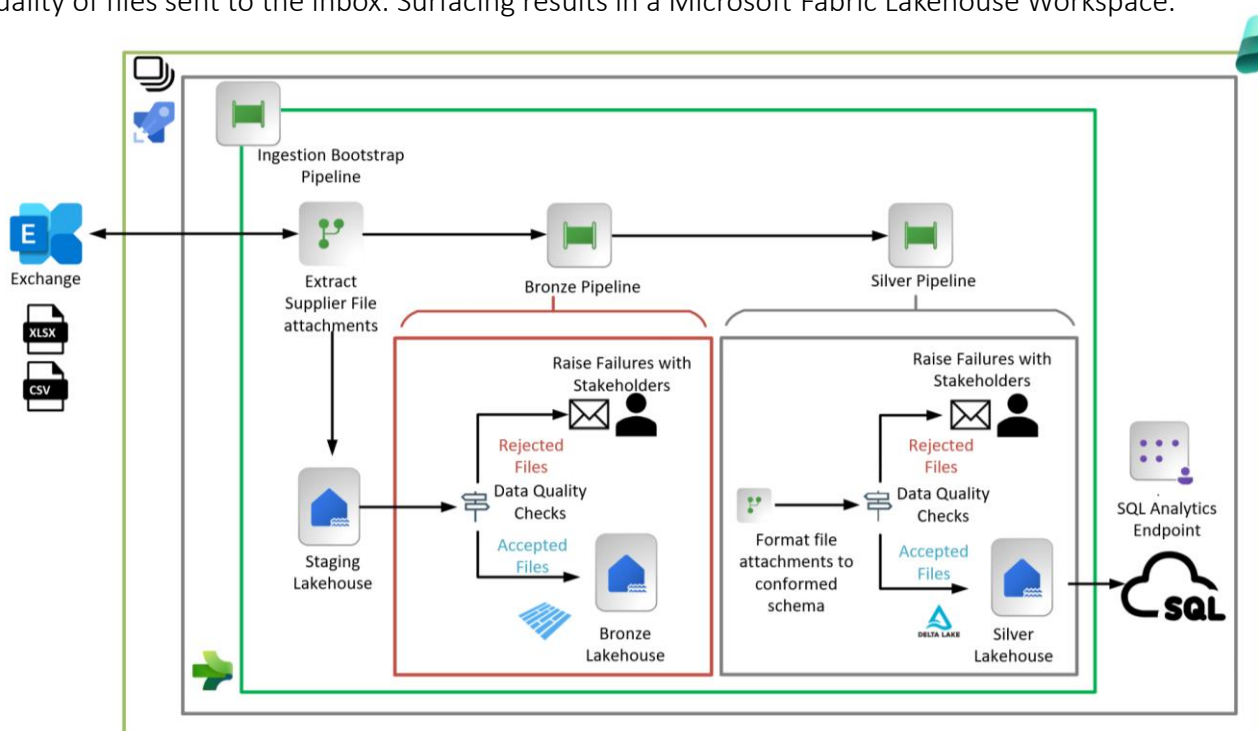


Automated Mailbox Attachment File Ingestion & Processing Using Microsoft Fabric Low Code Data Flows



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 is 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.

Time Scales

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



Next Steps

Reach out to learn more about how we could implement this architecture in your organisation via our contact details (top right) or please book some time in our calendar via the following link: bit.ly/cf-chat

Our Services

- Data Platform Design/Build
- Technical Oversight
- Architecture Review
- Data & AI Strategy
- End to End Training

