GIS ArcFM– Alden One Integration

Functional Description

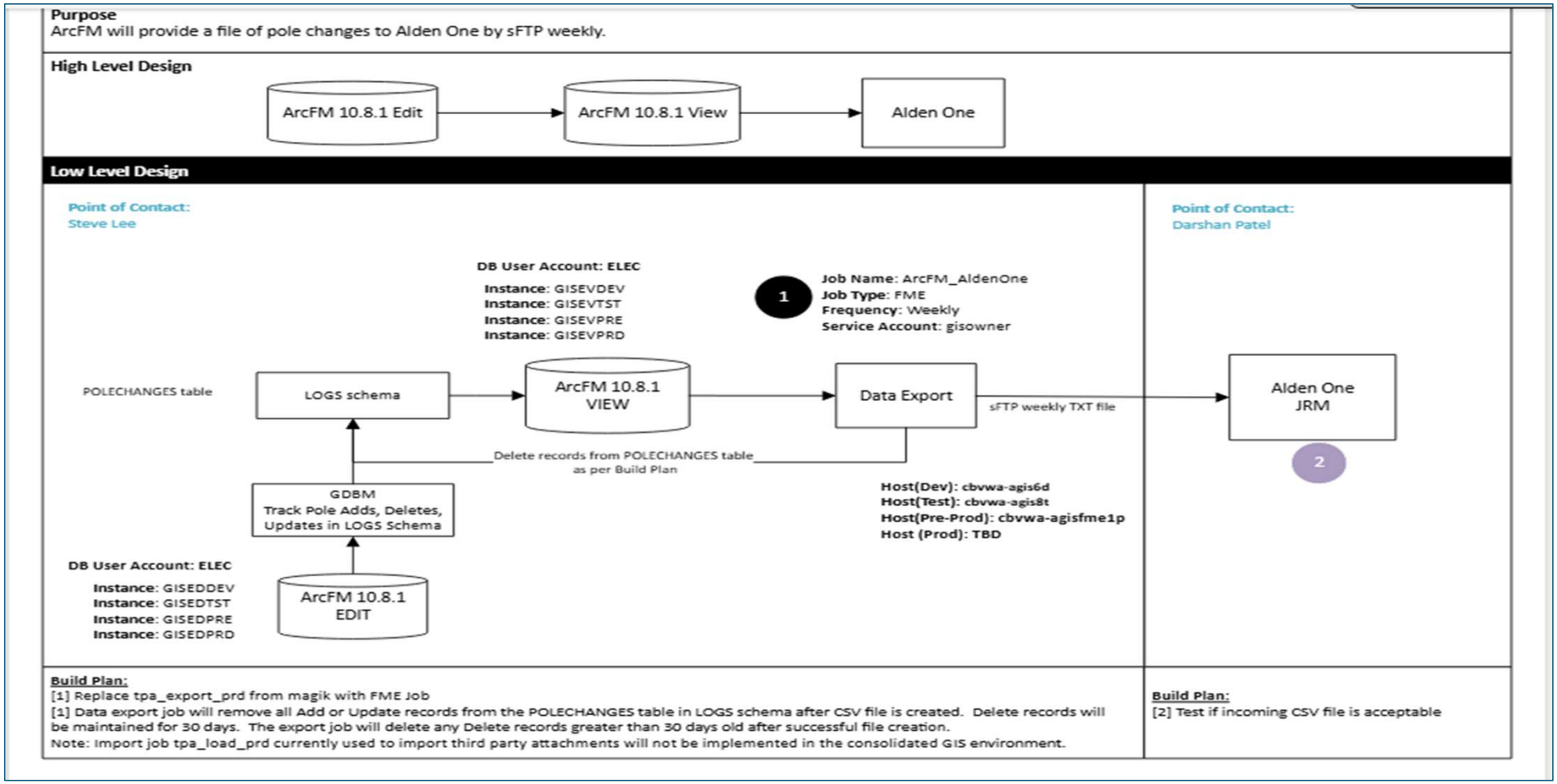
Alden One is an application that manages third-party pole attachment permitting data for Eversource's CT region. Alden One requires a CSV file of changes to pole locations and attribute data from GIS on a weekly basis. Changes to poles – adds, deletes, updates – are tracked using the Geodatabase Manager (GDBM) in ArcFM 10.8.1 and edit are done in POLECHANGES table in LOGS schema. This schema is synced nightly into ArcFM 10.8.1 View.

A weekly process extracts the pole records that were identified by the GDBM from ArcFM 10.8.1 View into two CSV files consistent with the current state (Adds and Updates in one file, Deletes in the other). These files are then sent via secure FTP to Alden One.

After successful creation of the CSV file, the Data Export scheduled job deletes all Add or Update records from the POLECHANGES table in ArcFM Edit. "Delete" records are retained in this table for 30 days and deleted by the export job 31 days after successful file creation.

The file previously returned to GIS from Alden One was determined to be no longer required, thus this integration is one-way only.

Technical Architecture – CT region



Administering Access

FME server configuration settings –

- SDE connection file
- Read access permissions on tables (MTRLMASTER.POLE, ELEC.SupportStructure)
- Read /Write access permissions on table (LOGS.POLECHANGES) EDIT database.

Schedule – Daily

Technical Architecture – NH region

NH also got added last year. Here, Informatica is involved and there is no job/function that needs to be run at GIS end. The records are identified for CRUD operations in the LOGS. Informatica reads the data from Polechanges_Alden table and processes it further to send to Alden.

