DEPLOYMENT GUIDE

SnapLogic Mainframe Accelerator

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To deploy SnapLogic Mainframe Accelerator, the customer downloads the zip file to their SnapLogic development environment. They create accounts, and connect to available file systems, databases, and legacy applications in datacenters and VPCs using the provided pipelines.

- SnapLogic
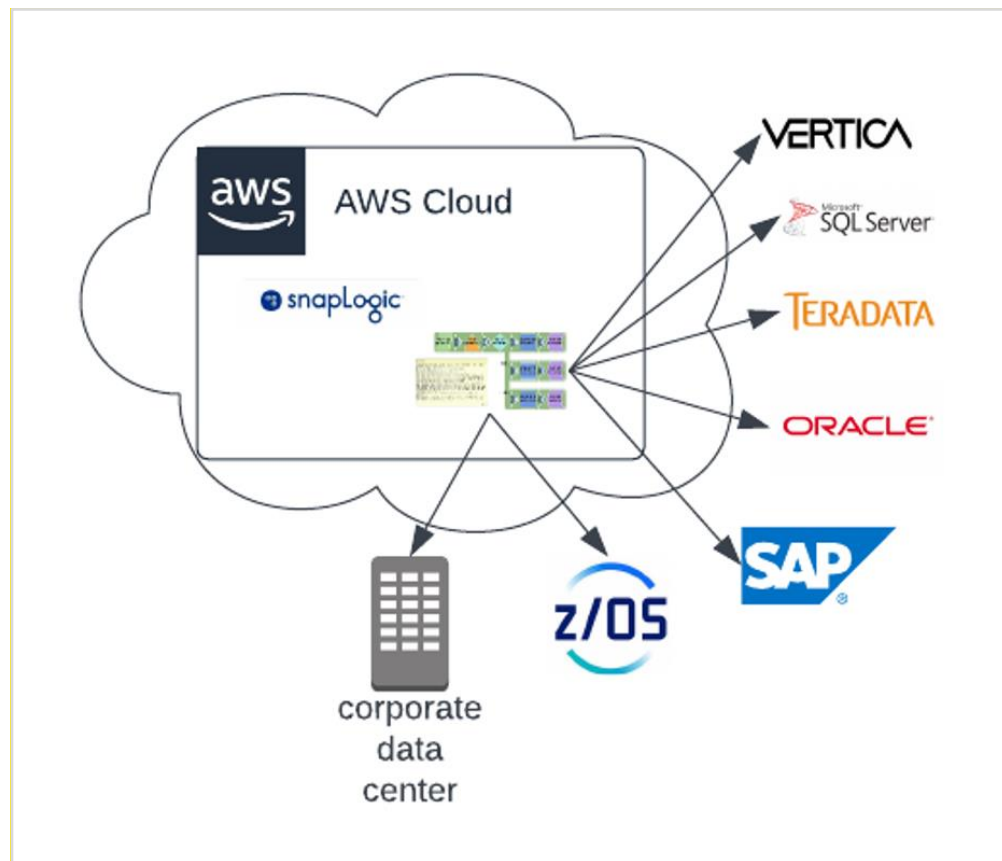- Legacy file systems, databases, and applications

Figure 1: Sample Use case and workflow

All of the Cobol copybook pipelines include required files. The user is responsible for creating the database accounts. With the correct accounts the pipelines can be validated and run.

Prerequisites

You should have the following prerequisites to get started with SnapLogic Mainframe Accelerator:

- SnapLogic Account

Optional Accounts:

- z/OS DB2
- Redshift
- S3
- Snowflake
- SAP HANA
- Azure SQL
- Azure Synapse SQL
- Databricks Delta Lake

Sample Pipeline

This pipeline connects to DB2 on z/OS, reads an employee record, and writes to Redshift using the Bulk Loader Snap, and S3 File Writer for use by Amazon QuickSight.
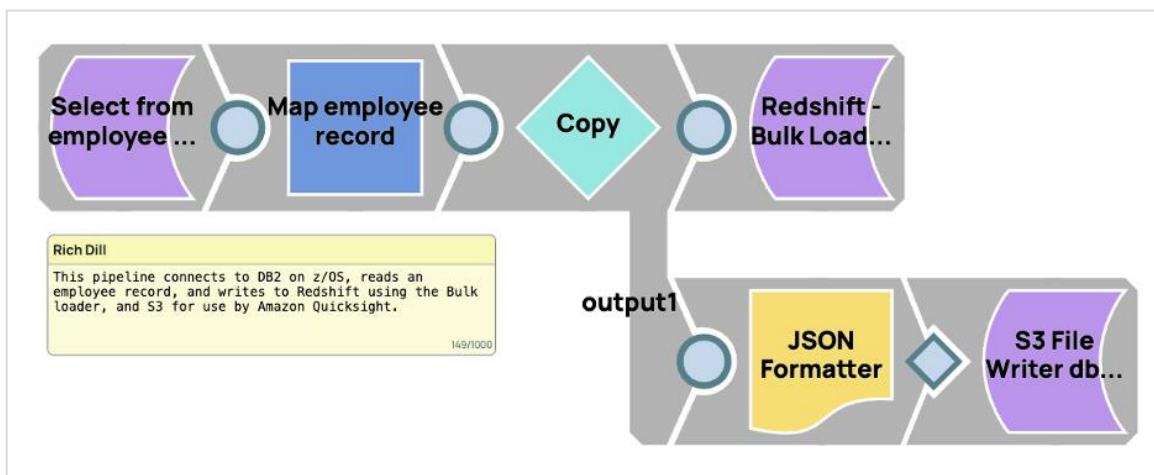

Figure 2: SnapLogic pipeline: JDBC select from DB2 on zOS to Redshift and S3 for Amazon QuickSight

How to run the sample flow

- Open the JDBC Execute Snap and create a database account to connect to DB2 z/OS, a jar file is provided.
- Open the Redshift Bulk Load Snap and create an account, use any schema and table name, make sure create table if not present is enabled.
- Open the S3 File Writer Snap and create an account. Configure the snap to write to any valid bucket and file name.

How to run all other pipelines

All database pipelines require a valid account and permissions to create and populate a table. The user can select any schema and table name required. Make sure the create table if not present is selected for the pipelines to run successfully.

All Cobol Copybook files are included in the download and are in the same project as the pipelines.

Summary

SnapLogic Mainframe Accelerator shows how the user can use SnapLogic's low code/no code approach to quickly connect to any z/OS file system, database, or application. Instead of having to write legacy code, users use JavaScript and SQL to access, transform, validate and deliver data in hours, sometimes in minutes.

Prerequisites

- **SnapLogic account:** Obtain a valid SnapLogic account with appropriate credentials to access the SnapLogic API and invoke pipelines.

Deployment Steps

- **Import SnapLogic SLP zip file:** (link to zip file) Import the zip file into a project space. It will contain all the SnapLogic pipelines and files. No tasks or accounts are created.

Cleanup

- None

Conclusion

The SnapLogic Mainframe Accelerator allows you to quickly connect to almost any z/OS file system, database or application using JavaScript and SQL in a low code environment and send that data to the cloud or any other application or database.

For any technical issues during deployment or questions, don't hesitate to reach out to the SnapLogic partner or support teams for assistance.

Happy integrating!