Release Engineering

Last updated by | Archana Balachandran | Mar 13, 2020 at 12:15 PM EDT

Contents

General

All Source Code is kept within Azure DevOps:

https://dev.azure.com/coverysit/DataWarehouse

Code is split into two origin branches:

1. Development
2. Master

Developers will create local branches to do thier work, and push up to the origin/Development branch once work is complete and ready for regression testing.

Two seperate processes are required to maintain the code base. One for Snowflake SQL code, and another for Talend processes.

Snowflake

Deployment process will flow from azure-edw-dev -> Check-in to development branch

SnowSQL Deployments will be pushed to the following locations:

1. azure-edw-dev

   F:\SnowSQL\Staging

   F:\SnowSQL\Transform

2. azure-edw-uat

   F:\SnowSQL\Staging

   F:\SnowSQL\Transform

3. azure-edw-prod

   F:\SnowSQL\Staging

   F:\SnowSQL\Transform

4. azure-edw-dr

   F:\SnowSQL\Staging

   F:\SnowSQL\Transform

The origin for the push is: https://dev.azure.com/coverysit/DataWarehouse/Repos/Files/SnowSQL
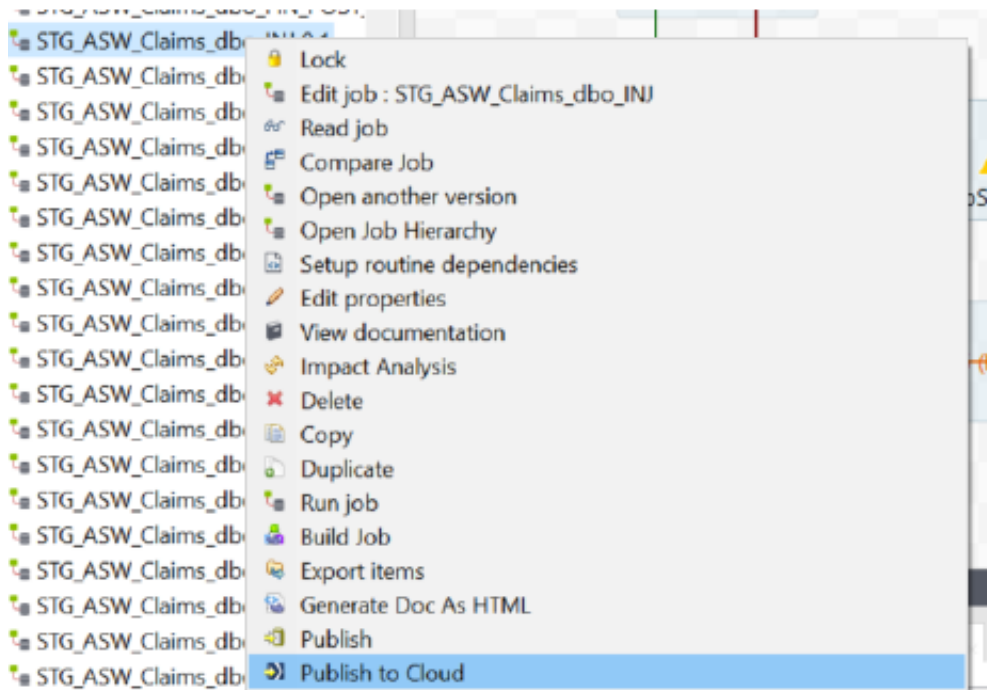
All code will be merged to Development and deployed to Production

Once Production Validation has been completed the origin/development branch will be mergee into master
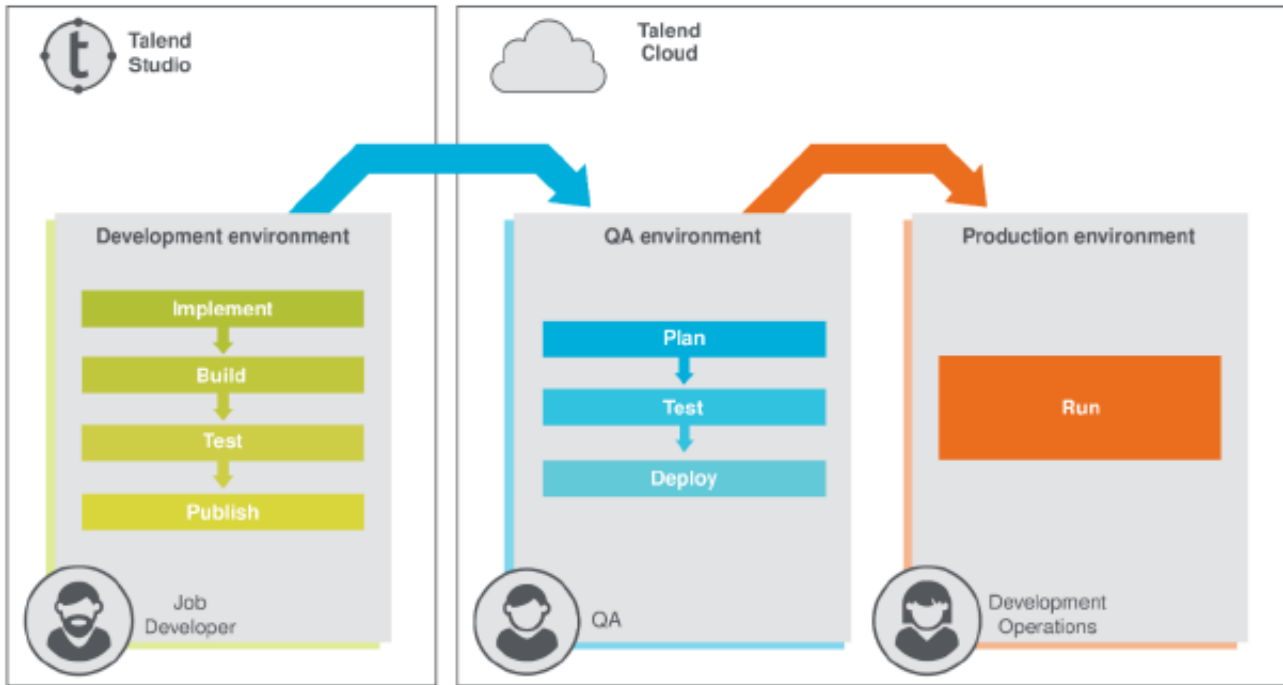
Talend

The Talend Cloud Management Console handles code deployment slightly different than a typical Git installation, providing code promotion tools internally.

Once Developers have merged thier work into the orgin/development branch, they will Publish their code to the Cloud Management Console through the Talend Desktop Tool

The code then flows through the Talend environments using the Talend Management Console (https://portal.us.cloud.talend.com/ ☒)

To promote the code through each environment. A designated deployment manager will use Promotions created within the Talend Management Console to migrate code throughout the Software Development Lifecycle.

All code is maintained in Azure DevOps Git:
[https://dev.azure.com/coverysit/DataWarehouse/COVERYS_EDW]()

All code will be merged to Development and deployed to Production Once Production Validation has been completed the origin/development branch will be mergee into master