

Talend QA Documentation

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QA Checklist

1. Packageexecution table in Snowflake (QA_ETLConfig):

- Check the Master staging package id (null) , control package id and all process package IDs.
- Ensure process package IDs are executed in the correct execution order as indicated in QA_ETLConfig.Control.Package table.
- Ensure all process packages with Active=1 , for the given Control Package ID are executed.
- Ensure all execution status=2 (success). If status = 1 or 3, flag test failed.

2. Package Execution Order:

- Verify the packages are being Executed in Correct order as specified in QA_ETLConfig.Control.Package table Archana: Need to update the package names in QA
- Query to get list of packages for a control package, sorted by execution order:

```
SELECT * FROM control.package where PARENTPACKAGEID =16 and Active=1 ORDER BY ExecutionOrder ASC;
```

3. Staging tables in Snowflake (QA_Staging):

- select * from staging table - to confirm data was loaded
- check record counts in Snowflake staging table matches original SQL source server (and not uatfix server)
- Run a mass snowflake query to ensure records populated in table for a particular staging execution id:
- select * from dev_staging.asw_config.DBO_ACTY where STAGINGEXECUTIONID='200376' -- insert correct value for stagingexecutionid

4. Last Altered Timestamp on Staging Tables:

- Run the following and verify the tables in a schema was populated/alterd after each run

```
ALTER SESSION SET TIMEZONE = 'America/New_York';
```

```
select TABLE_CATALOG, TABLE_SCHEMA, TABLE_NAME, ROW_COUNT, BYTES, LAST_ALTERED from "DEV_STAGING"."INFORMATION_SCHEMA"."TABLES" where table_schema= 'ASW_CONFIG'
```

Link to Video Tutorial:

https://ecoverys.sharepoint.com/sites/extEDWCloudMigration/Documents/Staging_Orchestration_Testing_Walkthrough.mp4 