**Spectra Naming Convention**

The Document explains the naming convention to be used for Flows, Workflows, Schedulers and Global Parameters to be used in Spectra.

**Source/Target systems:**

We would be dealing with various source/target systems like **Snowflake, SQL Server**, etc. Hence, the abbreviations for these systems to be used in the naming convention are given below.

|  |  |
| --- | --- |
| **Source/Target system** | **Abbreviation** |
| Snowflake Source | SF\_SRC |
| Snowflake Target | SF\_TGT |
| Microsoft SQL Server | MSSQL\_SRC |

Eg: CONN\_SF\_NDW\_DEV

**Layers:**

As per my knowledge, we would be dealing with 4 layers: Raw, Staging, Core and Semantics/Services during the migration. Hence, the abbreviations for these layers to be used in the naming convention are given below.

|  |  |
| --- | --- |
| **Layers** | **Abbreviation** |
| Raw | RAW |
| Staging | STG |
| Core | CORE |
| Semantics | VW |

Eg:

**Spectra Flows:**

We would be developing ETL jobs in flows which would let's say enrich the data or migrate the data from source systems to target systems or within layers. Hence the naming conventions for these jobs would be (as given below):

Data Migration:

"**FL\_<Project Name>\_<Territory name (If Required) >\_<Source Layer name>\_TO\_\_<Target Layer Name>\_<Table Name>**", where FL means Flow.

Example:

* Source to Raw -> FL\_ET\_SRC\_TO\_RAW\_CONTACT
* Raw to stage -> FL\_ET\_RAW\_TO\_STG\_CONTACT

Note - (FL - Flow, NDW- Project, ET- Eastern Territory, RAW- Schema/Layer, CONTACT- Table name)

**Spectra Workflows:**

For workflows, the basic process would be to consolidate the flows and apply some conditional, looping or error handling logic as per requirement. And, we would be having workflows for all the flows. Hence, the naming convention for these workflows would be same as that of flows:

"**WF**\_ **FL\_<Project Name>\_<Territory name (If Required) >\_<Source Layer name>\_TO\_\_<Target Layer Name>\_<Table Name>**", where WF means workflow.

Example:

* WF\_ FL\_NDW\_ET\_SRC\_TO\_RAW\_CONTACT

**Spectra Schedulers:**

For schedulers, we would be importing the required process into it and scheduling them according to the trigger (time based or event based) with some frequency. Hence, the naming convention for these schedulers would be:

"**SCH\_ <Project Name>\_<Territory name (If Required) >\_<Source Layer name>\_TO\_\_<Target Layer Name>\_<Table Name>**", where SCH means Schedule.

Example:

* SCH \_WT\_SRC\_TO\_RAW\_CONTACT(Yet to finalized)

**Spectra Project Parameters:**

We would be using these global parameters mostly to define the connection details of the source/target systems. In that case, the naming convention would be:

**Spectra Manager connection Name: - (Global Parameter)**

"**CONN\_<Source System>\_<Project Name>\_<Instance Name>**" for Connection name.

* + Global Parameter Name :

$(GP\_CONN\_SF\_NDW)

* + - CONN\_SF\_NDW\_DEV
    - CONN\_SF\_NDW\_QA
    - CONN\_SF\_NDW\_PROD

$(GP\_TSA\_NDW\_DB)

* DEV\_TSA\_NDW\_DB
* QA\_TSA\_NDW\_DB
* PROD\_TSA\_NDW\_DB

**Project Level Parameter Name: - "<Instance Name>\_<Project Name>\_DB**" for Database name. Where TSA\_NDW is Project name.

* $(DEV\_TSA\_NDW\_DB)
* PP\_

**Flow level Parameter Name: - “CONN\_<Source System>\_<Project Name>.**

* $(FP\_INPUT\_SCHEMA)
* $(FP\_INPUT\_TABLE)
* $(FP\_OUTPUT\_TABLE)
* $(FP\_BATCH\_ID)
* $(FP\_PROCESS\_ID)

**Snowflake Schema Name: - <Project Name>\_<Layer Name>.** Where TSA\_NDW is Project name.

* TSA\_NDW\_RAW
* TSA\_NDW\_STG
* TSA\_NDW\_CORE
* TSA\_NDW\_AUDIT

**Snowflake Table Name: - <Project Name>\_<Table Name>\_<Layer Name>.**

* CT\_ACCOUNT\_RAW
* CT\_ACCOUNT\_STG