# Project

There are two types of data in the storage to import on file event basis. The files event will look for \*.gz create event.

1. Dimension data
2. Fact Transaction data
   1. Process 1
   2. Process 2

## Dimension data import process:

### Import process

Read File 🡪 Copy to Staging Table 🡪 Truncate and import to Production Table

### File Name and SQL table info

Make sure all tables, views, stored procedures, functions and columns names are in small case.

|  |  |  |  |
| --- | --- | --- | --- |
| File Name | Staging Table Name | Production Table Name | Comments |
| customers/vw\_dim\_customer\_data.csv.gz | staging.vw\_dim\_customer | dbo.vw\_dim\_customer |  |
| products/vw\_dim\_product\_data.csv.gz | staging.vw\_dim\_product | dbo.vw\_dim\_product |  |
| stores/vw\_dim\_store\_data.csv.gz | staging.vw\_dim\_store | dbo.vw\_dim\_store |  |

## Fact transaction Import process:

The Fact tables are different so make sure you follow the instructions carefully.

### Import process 1

Read File 🡪 Copy to Staging Table 🡪 If data exist in Production table then delete and import the data from Staging to Production Table

### File Name and SQL table info for process 1

Make sure all tables, views, stored procedures, functions and columns names are in small case.

|  |  |  |  |
| --- | --- | --- | --- |
| File Name | Staging Table Name | Production Table Name | Comments |
| orders/vw\_fact\_orders\_\*.csv.gz | staging.vw\_fact\_orders | dbo.vw\_fact\_orders | Use columns [order\_dt] to check and delete the data |
| whidata/WHIData\_\*.txt.gz | staging.whi\_data | dbo.whi\_data | Use columns [rowid] to check and delete the data |

### Import process 2

Read File 🡪 Copy to Staging Table 🡪 Import the data as is from Staging to Production Table

### File Name and SQL table info for process 2

Make sure all tables, views, stored procedures, functions and columns names are in small case.

|  |  |  |  |
| --- | --- | --- | --- |
| File Name | Staging Table Name | Production Table Name | Comments |
| atstate/ Advance-NexpartSalesAtState\_\*.txt.gz | staging. whi\_raw\_transaction\_atstate | dbo. whi\_raw\_transaction\_atstate | Append data as is |
| atzip/Advance-NexpartSalesAtZip\_\*.txt.gz | staging. whi\_raw\_transaction\_atzip | dbo. whi\_raw\_transaction\_atzip | Append data as is |

## Table Create Script:

Attached is the tables create script. It only contain create statement.

### SQL Script

