HP IT Executive Scorecard

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Windows ® operating system

Content Reference Guide for the Alternate Data Source Integration

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Alternate Source Integration

The alternate source mechanism (ALT) is a simple mean of uploading data into the Data Warehouse target schema easily using files and without integration to external sources or to other HP products. It can be used to integrate third party data sources.

You can use Excel files as a data source.

Samples of Excel files are available in the **<Installation directory>\agora\ContentPacks\<ALT>\ETL\flatfiles\demodata** directory.

Data Upload

The ALT Content Pack is available in the **<Installation directory>\agora\Content Packs\ALT** directory.

The ALT Content Pack is not automatically deployed during installation. To activate or deactivate the ALT content pack, you must use the automation back-end tool. For details, see "The Automation Tool" on page 7. The Automation Tool section is also available in the *IT Executive Scorecard Administrator Guide*.

File Structure

Each file has its unique structure. The following is an example of alternate source files:

MD_ BUSINESS_ KEY	SLA_ NAME	SLA_ STATE	SLA_ TYPE	DATE_ START_ LOC	DATE_ END_ LOC	DELETE_ FLAG
DUMMY	DUMMY	X	X	1/1/1900 01:00:00	1/1/1900 19:00:00	X
SLA_001	SLA_ 001	Unknown	Corporate Level	1/1/2011 13:00:00	2/1/2011 19:00:00	
SLA_002	SLA_ 002	Unknown	Corporate Level	1/2/2011 13:00:00	2/2/2011 19:00:00	
SLA_003	SLA_ 003	Stopped	Corporate Level	1/3/2011 13:00:00	2/3/2011 19:00:00	
SLA_004	SLA_ 004	Stopped	Corporate Level	1/4/2011 13:00:00	2/4/2011 19:00:00	
SLA_013	SLA_ 013	Running	Corporate Level	1/5/2011 13:00:00	2/5/2011 19:00:00	
SLA_014	SLA_ 014	Running	Corporate Level	1/6/2011 13:00:00	2/6/2011 19:00:00	

The first tab of the Excel file should contain the data.

The second tab of the Excel file includes instructions on how to fill in the fields.

Note: The SERVICESTATUS entity from the ALT source is not supported in version 9.3 .

List of Entities

List of Entities in Excel format.

The Automation Tool

The automation tool is built and designed to simplify the different tasks of Data Source Management.

It contains Data Source Management back-end tools that simplify the usage, add some necessary validations, and set the different statuses. The functions are used by the Data Source Management user interface but also provides a command line interface so it can be used outside the application server.

Reference

The following Command Line Interface (CLI) is available for Data Source Management functionality outside the UI. The command script files are found in this directory:
<DWH_home_directory>\DataWarehouse\bin

TestConnection

Usage: dw_ds_automation.bat -task TestConnection -cp xxx -xmlFilePath [Path to datasources.xml file]

Description: Test the connection to the data source. Should be used before running the configuration task in order to validate correct connection details.

Register Instance

Usage: dw_cp_register.bat -addInstance –name <CP_NAME>

Description:

- Use to add an additional instance of the data source.
- The Data Warehouse then looks for the CP in the Content Packs Folder.
- The instance ID is displayed in the output.“Instance ID: XX has been added to Content Pack: <CP_NAME>”
- It is also added to the CONTENT_PACK table.

ConfigureInitial

Usage: dw_ds_automation.bat -task ConfigureInitial -cp <content pack name>-instance <INSTANCE_ID>-xmlFilePath [Path to datasources.xml file]

Description:

- Configure the CP connection settings before the CP has been initialized.
- Use prior to CP initialization (Deploy).

Note: To successfully run this command, the ALM password must be encrypted before saving it in the Staging database.

Configure

Usage: dw_ds_automation.bat -task Configure -cp <content pack name>-instance <INSTANCE_ID> -xmlFilePath [Path to datasources.xml file]

Description: Configure the CP connection settings and regenerate the datastore of the product. Can be used only after the CP has been successfully initialized.

Note: If any the following sources HP Application Lifecycle Management, HP Business Service Management, or HP Universal Configuration Management Database are configured via a back-end too, the relevant URL listed below should be run before the ETL is run:

- **HP Application Lifecycle Management:** http://localhost:10002/dw/integrations/generic/reset/ALM
- **HP Business Service Management**: http://localhost:10002/dw/integrations/bsm/reset/connection
- **HP Universal Configuration Management Database:** http://localhost:10002/dw/integrations/ucmdb/ucmdb/reset/connection

Deploy

Usage: dw_ds_automation.bat -task Deploy -cp <content pack name>-instance <INSTANCE_ID>

Description: Initialize the CP and set the CP status as **Initialized**.

Activate

Usage: dw_ds_automation.bat -task Activate -cp <content pack name>-instance <INSTANCE_ID>

Description: Activate the CP using the stream Assembler and set the CP status as Activated. Activating the CP causes its ABC stream to be merged with the Main (Core) CP stream. Activated CP stream steps will be executed during the execution of the Main (Core) ABC Stream.

Deactivate

Usage: dw_ds_automation.bat -task DeActivate -cp <content pack name>-instance <INSTANCE_ID>

Description: Deactivate the CP using the stream assembler and set the CP status as **Non-Activated**. Deactivate performs the opposite action from Activate. Deactivate subtracts the deactivated CP ABC Steps from the Main ABC Stream Steps.

AutoActivate

Usage: dw_ds_automation.bat -task AutoActivate

Description: Deploy and activate all CPs with "autostart" flag according to the order set by "autostartpriority" in the manifest
used by the post- install tool. The manifest found in cp_manifest.properties, is a list of attributes located in the root directory of the Content Pack.

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