Welcome & Introduction *(Michael)*

Step by step demo *(Venkat)*

Q&A *(all)*
Overview of Webinar Series

SAP IBP Integration using CPI-DS (1/4): SAP ERP - April 2nd

SAP IBP Integration using CPI-DS (2/4): SAP BW Integration - April 8th

SAP IBP Integration using CPI-DS (3/4): Back integration from SAP IBP to SAP ERP using RFC Enabled Function Modules - April 14th

Roadmap session: Meet the Expert: SAP IBP External Integration – Capabilities and Roadmap - April 16th

SAP IBP Integration using CPI-DS (4/4): Microsoft Azure Data Lake & Microsoft Azure Cloud Storage Integration - April 29th
Use Cases

Example 1: Customer likes to run Azure native capabilities on Machine Learning or use SAP Data Intelligence for Machine learning.

Example 2: Azure Data lake has enterprise data (e.g. Sales History) that is needed for SAP IBP
## SAP Cloud Platform Integration (DS) – Connectivity

### Wide range of supported sources and targets

<table>
<thead>
<tr>
<th>SAP Business Suite Applications (ERP, SCM/APO, …)</th>
<th>Databases</th>
<th>Cloud Databases</th>
<th>HANA Applications in the cloud</th>
<th>Other cloud applications</th>
<th>Files</th>
<th>Cloud Storage</th>
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<tr>
<td><strong>Business Content Extractors</strong></td>
<td>SAP HANA</td>
<td>MSSQL Server on Azure VM and PaaS</td>
<td>SAP IBP (Integrated Business Planning)</td>
<td>SuccessFactors applications</td>
<td>Delimited files:</td>
<td>Azure Storage:</td>
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<td>Standard and custom extractors, including delta queues – through ODP</td>
<td>SAP (Sybase) ASE</td>
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<td>SAP Lumira</td>
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<td>Local files</td>
<td>Azure Blob Storage</td>
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<td><strong>ABAP tables</strong></td>
<td>SAP (Sybase) IQ</td>
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<td>SAP HANA database-as-a-service on HANA Cloud Platform</td>
<td>oData (v2 &amp; v4)</td>
<td>Remote files through SFTP</td>
<td>Azure Data Lake Storage</td>
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<td>Cluster, transparent, pool, Z-tables</td>
<td>IBM DB2</td>
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<td><strong>Custom ABAP programs</strong></td>
<td>MSSQL Server</td>
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<td>Generated on the fly – no ABAP coding needed.</td>
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<td><strong>SAP BW</strong></td>
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<td>Direct access to ODS tables</td>
<td>Teradata</td>
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PUBLIC
Microsoft ADLS and Azure cloud storage Integration

File Location Datastore

- Create a file location object to establish a connection to a database with specific file transfer protocol settings.
- Reusable objects that define properties for a specific file transfer protocol or Azure cloud storage objects.
- Uses the remote and local server information and the file transfer protocols to move data between the local and remote server.
- Associate a file format group in order to read or write to local or remote location.
- File Format Group SFTP option may be deprecated in the future, instead use the SFTP from File Location Datastore.
- Agent version 1.0.11 patch 36 or later.
Microsoft ADLS and Azure cloud storage Integration

Azure Cloud Storage

- Configure a file location object for Azure Cloud Storage
- Complete all applicable options, especially the options specific to Azure Cloud Storage
- Associate a file format group with an Azure Cloud Storage in order to read or write data to a local or remote location
- In Dataflow use File Formats as your source and target
- Agent version 1.0.11 patch 36 or later
Microsoft ADLS and Azure cloud storage Integration

Azure Data Lake Storage (ADLS)

- Configure a file location object for Azure Data Lake Storage
- Complete all applicable options, especially the options specific to Azure Data Lake Storage
- Associate a file format group with an Azure Data Lake Storage in order to read or write data to a local or remote location
- In Dataflow use File Formats as your source and target
- Agent version 1.0.11 patch 36 or later

Pre-requisites
From MS Azure Admin
- Service Principal Id
- Tenant Id
- Password
User defined
- Data Lake Store Name
- Remote Path Prefix (Should pre-exist in ADLS. This can be parametrized in file location definition)
Microsoft ADLS and Azure cloud storage Integration

Demo Steps

1. Create File location datastores for Azure Cloud Storage & Azure Data Lake Storage
2. Create File Formats for Azure Cloud Storage & Azure Data Lake Storage
3. Test connections
4. Create CPI-DS task and dataflows
5. Execute CPI-DS Task
6. View results in Microsoft Azure Storage Explorer
Questions & Answers
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Recent Webinars & Blogs

Meet the Expert SAP IBP WEBINAR: CPI-DS Customer Use Cases
https://dam.sap.com/a/3aClujF

Meet the Expert: SAP IBP Webinar: External Integration Capabilities and Roadmap
https://dam.sap.com/a/2HX9hxq


SAP IBP Data Extraction via CPI-DS: How to best filter data by time?

SAP IBP Data Extraction via CPI-DS: How to extract key figures on different planning levels?
https://blogs.sap.com/2019/09/09/sap-ibp-data-extraction-via-cpi-ds-how-to-extract-key-figures-on-different-planning-levels/

SAP IBP Data Extraction via CPI-DS: Are your Filters considered?

Troubleshooting Data Integration Tasks in SAP IBP

Use SAP S/4HANA core data services in CPI-DS
Further reading on IBP Extraction

SAP IBP Data Extraction via SAP CPI-DS – Curl ERROR 52

SAP IBP Data Extraction via CPI-DS: How to best filter data by time?

SAP IBP Data Extraction via CPI-DS: How to extract key figures on different planning levels?
https://blogs.sap.com/2019/09/09/sap-ibp-data-extraction-via-cpi-ds-how-to-extract-key-figures-on-different-planning-levels/

SAP IBP Data Extraction via CPI-DS: Are your Filters considered?
Thank you.

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