Building block Configuration Guide
Write into SAP Integrated Business Planning for Demand using oData
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English

CUSTOMER

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Content

1 Prerequisites

The package “Integration between SAP Integrated Business Planning for demand and SAP Analytics Cloud” contains SAP Analytics Cloud models for Sales and Marketing Planning, as well as corresponding SAP Integration Suite Integration Flows. These Integration Flows read (base forecast quantity) data from SAP Integrated Business Planning (IBP), read prices from SAP S/4HANA to write them into SAP Analytics Cloud. There are also Integration Flows to write the (planned drivers) data from SAP Analytics Cloud to SAP IBP for demand.

The Integration Flow “Write to SAP IBP for Demand using oData” is a separate Integration Flow that wraps the logic of writing into IBP. This is basically creating a job, handling the posting of data chunks and finally close the job and check for the status.

The Integration Flow “Write to SAP IBP for Demand using oData” is called via process direct call from the two Integration Flow “Send SAP Analytics Cloud Marketing model drivers to IBP for Demand” and “Send SAP Analytics Cloud Sales model drivers to IBP for Demand”. Incase another approach for writing into IBP should be used, the process direct call could be repointed to another ca

This Integration Flow is a possible implementation approach. But it is necessary to check the individual business needs.

2 Documentation

The Integration Flow wraps the logic of writing into SAP IBP for demand via oData, which means PLANNING_DATA_API_SRV.

2.1 Starting the flow

The iFlow is stated via process direct call. Externalized Parameter <SAPHDA_API_ENDPOINT>

The payload that is expected to be sent with this call contains the SAP Analytics Cloud model ID and dates from when data is read as well as the time horizon that should be exported (calmonthFrom and calmonthTo are included int the boundaries).

An example payload looks like:

```
{
  "hostName": "https://IBP_SERVER.ondemand.com",
  "credentialsName": "IBP_API_USER",
  "planningArea": "MY_PLANNING_AREA",
  "commit": "true",
  "oData": "true",
  "fieldsString": "PERIODID3_TSTAMP,PRDID,CUSTCOUNTRY,CURRID,MARKETINGBUDGETSAC",
  "sacPayload": [
    {
      "PERIODID3_TSTAMP": "2024-01-01T00:00:00",
      "PRDID": "FG126",
      "CUSTCOUNTRY": "US",
      "CURRID": "USD",
      "MARKETINGBUDGETSAC": "7000.0"
    }
  ] }
```

This Integration Flow is by default supposed to be called from “Send SAP Analytics Cloud Marketing model drivers to IBP for Demand” and “Send SAP Analytics Cloud Sales model drivers to IBP for Demand”. These flows define exchange properties that populates the following payload properties:

- hostname: saphda_ibp_url
- credentialsName: saphda_ipb_credential
- planningArea: saphda_ibp_planningarea

2.2 Flow Logic

The Integration Flow has three major steps which are created in the following local integration processes:

1. Creates a Transaction ID if none is passed. Local Integration Process “Get Transaction ID”
2. Post the values in chunks. Local Integration Process “POST One Batch”
3. Close the Transaction and check the Status. Local Integration Process “Check POST Processing”

3 Configuration steps on Cloud Integration

3.1 Configure Receiver Adapter

Receivers are connecting SAP IBP for Demand. If the flow should be used without adjustments, it is necessary to have the Content Packages Commercial Planning for SAP Analytics Cloud installed. In all systems user and authorizations need to be granted. Please refer to the relevant documentation.

The following configuration is necessary

- Credential Artifacts
  - SAP IBP for Demand.
    Exchange Property credentials_name
- URLs for the System
  - SAP IBP for Demand
    Exchange Property host_name