

Building block Configuration Guide
Commercial Planning write into SAP for Demand using
oData
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English

CUSTOMER

Commercial Planning write into SAP IBP for Demand using oData



Document History

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1 Prerequisites

The package Commercial Planning contains SAP Analytic Cloud models for Sales and Marketing Planning, as well as corresponding SAP Integration Suite Integration Flows. These Integration Flows read (baseline quantity) data from IBP, read prices from SAP S/4HANA to write them into SAP Analytic Cloud. There are also Integration Flows to write the (planned drivers) data from SAP Analytic 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". In case another approach for writing into IBP should be used, the process direct call could be repointed to another flow.

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 Integration is stated via process direct call, and set by default to Write_to_IBP_on_Demand_using_OData. It can be configured as Externalized Parameter.

Configure "Write to SAP IBP for Demand using oData"

Figure 1 API endpoint definition

The request payload that is expected to be sent contains the IBP Host, the Security Material name containing the basic authorization for IBP, the IBP planning area, an oData flag, a commit flag - if the request payload is the last package and the job can be closed and data can be committed, the field string and the transactional data.

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 non 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 SAP 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 IBP user and authorizations needs to be granted. Please refer to the relevant documentation.

The following configuration is necessary

- Credential Artifacts
 - o SAP IBP for Demand
IBP External Planning Data Integration Communication Scenario SAP_COM_0720
The Security Material name, containing basic authorization for IBP, is passed to the flow via request payload