A network diagram background consisting of a complex web of interconnected nodes and lines. The nodes are represented by circles of varying sizes and colors, including grey, blue, and white. Some nodes are highlighted with a blue border. The lines connecting the nodes are thin and grey, creating a dense, interconnected structure.

A Case for a

- **Well-Integrated EPM Cloud Solution:
Oracle Integration Cloud (OIC)**



ODTUG
Kscope19
SEATTLE, WASHINGTON • JUNE 23-27



**PLEASE FILL OUT
YOUR EVALUATIONS**



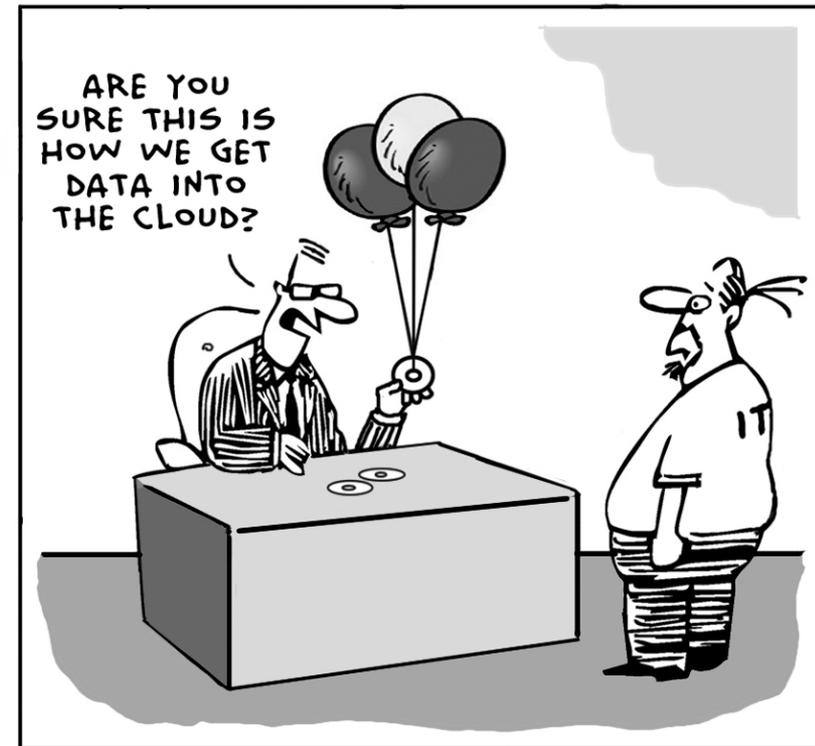
SEATTLE

 Washington State
Convention Center



Agenda

- Introductions
- Overview
- Connectivity
- Rec. 1: Substitution Variables
- Rec. 2: On-Premises > PBCS
- Rec. 3: PBCS > Essbase
Cloud



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- ◎ 15+ years
EPM Implementation
Experience
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- ◎ Newbie [restaurant](#) owner

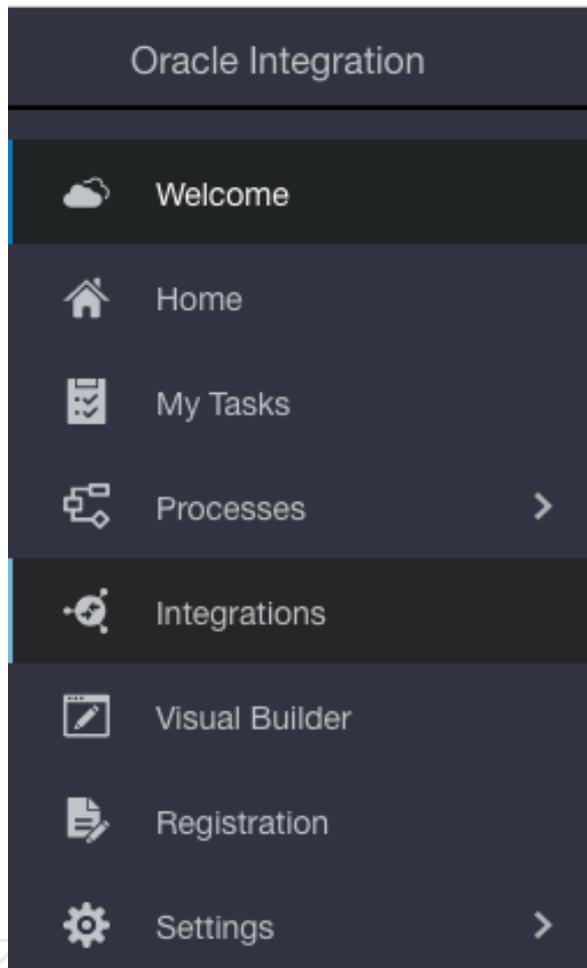


1. Overview

Oracle Integration Cloud

- ◎ Lightweight integrations
- ◎ Connectivity adapters SaaS/On-premises
- ◎ Visual builder capabilities
- ◎ Scheduling capabilities
- ◎ Full function REST API
- ◎ ...not to be confused with Integration Cloud Service (ICS)

Oracle Integration Cloud



- ◎ Integrations
 - On-premises agent
 - Adapters
 - Connections
 - Integration
 - Process monitoring
 - Lookups

What we are NOT talking about today?

- ◎ OIC REST invokes
- ◎ Triggered events
- ◎ Visual Builder Cloud
- ◎ Monitoring
- ◎ Libraries
- ◎ Message subscription/limits

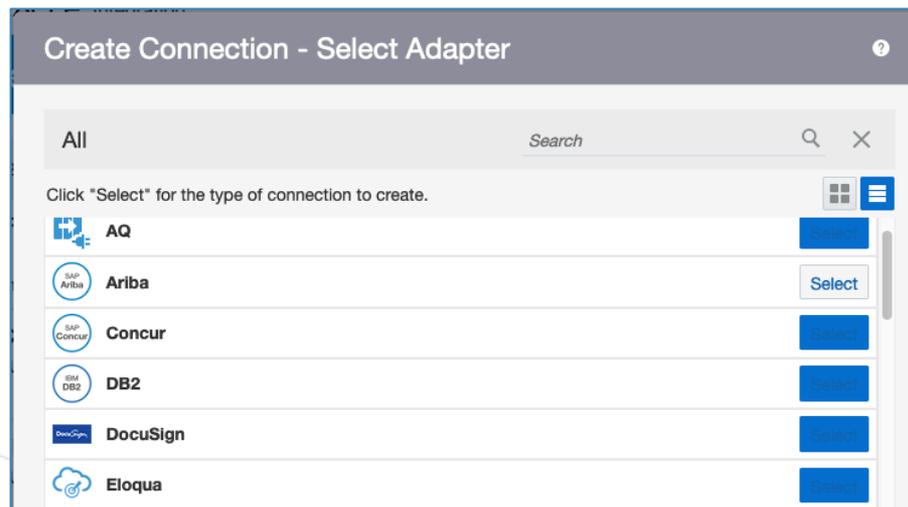
A decorative network diagram in the top-left corner, consisting of various sized nodes (some solid grey, some hollow white with a grey border) connected by thin grey lines. The nodes are arranged in a complex, interconnected pattern.

2.

Connectivity

Connections

- ◎ How to connect to an instance?
- ◎ Predefined adapters
- ◎ 50+ adapters available e.g. ERP Cloud, Workday, UiPath - See doc [here](#) for the full list



Connections

- ◎ And yes, an EPM Cloud Adapter is available.
- ◎ ...But, only supports Tax Provisioning and Financial Close Cloud services currently.

 Oracle Enterprise Performance Management Cloud

Create New Connection ?

Enter information that describes the connection. Use a meaningful name and description to help others find your connection when they create their own integrations. The Identifier must be unique and can be set only when the connection is created.

* Name

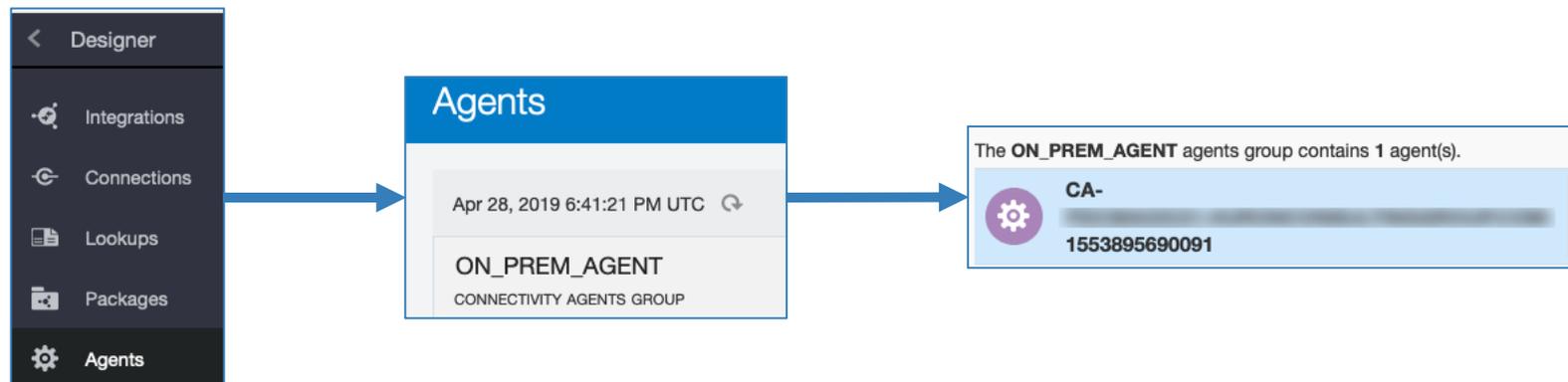
* Identifier

Role

See doc [here](#)

On-premises?

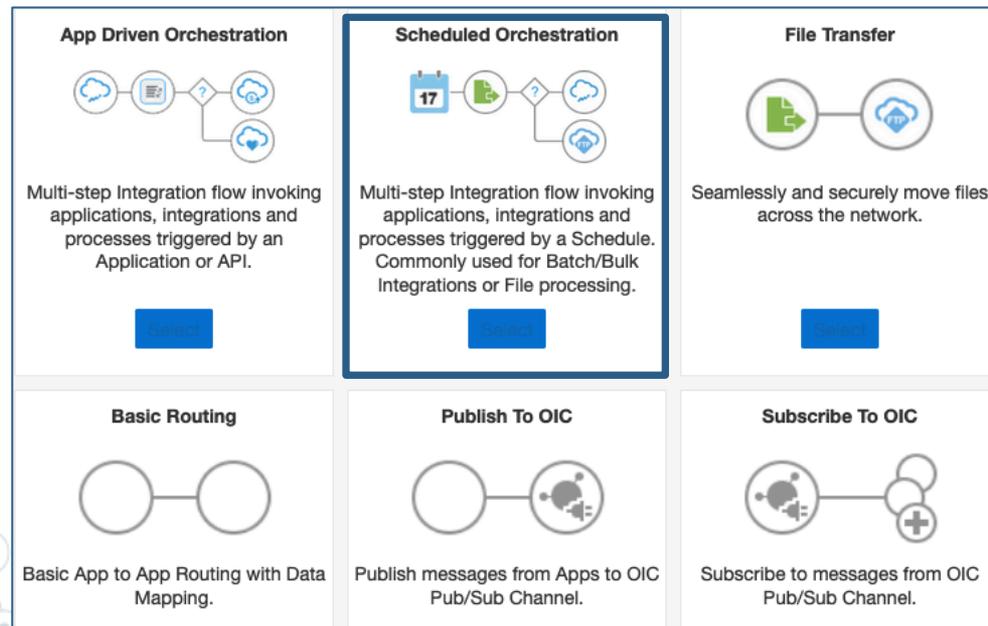
- ◎ Set up “on-premises agents”.
 - Files?
 - Databases?
- ◎ Easy to install and set-up.

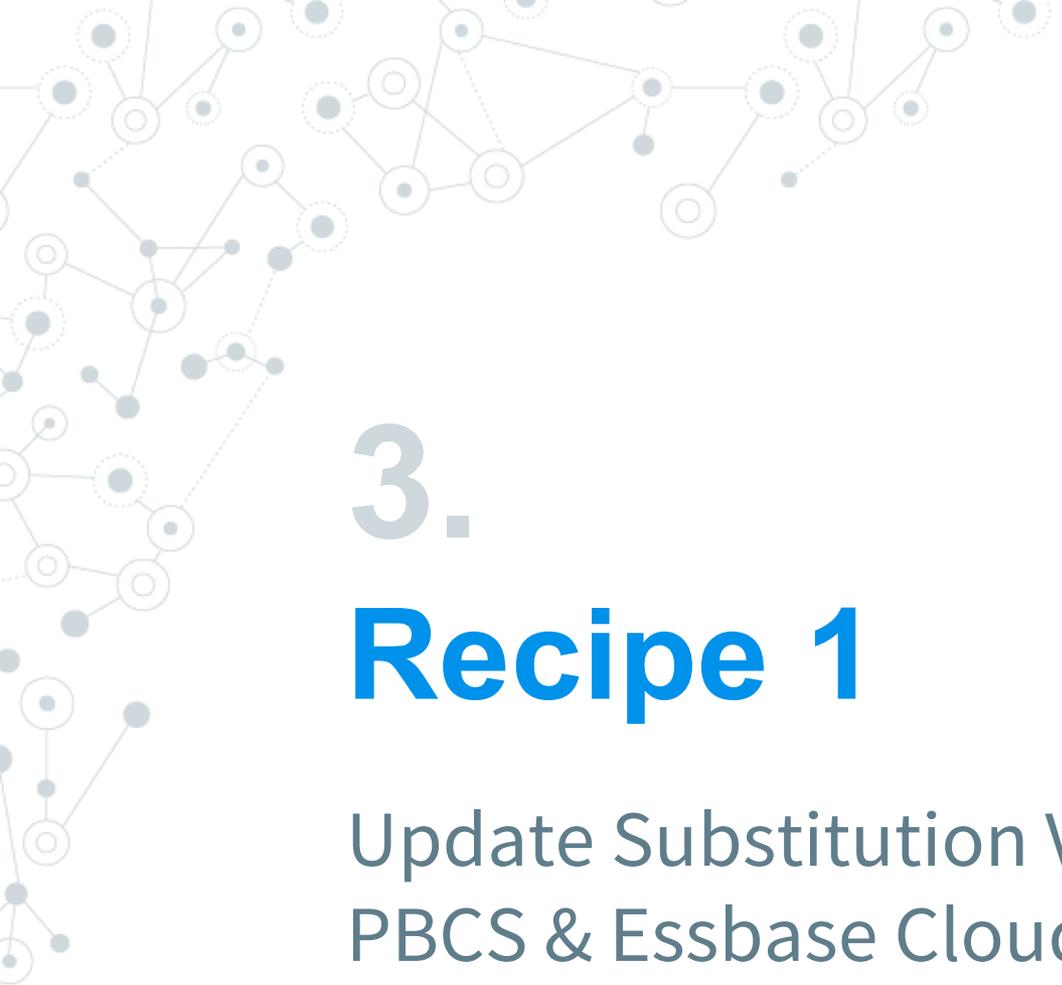


See doc [here](#)

Integrations

- ◎ Use connections to your applications.
- ◎ Trigger = Source
- ◎ Invoke = Target





3.

Recipe 1

Update Substitution Variables:
PBCS & Essbase Cloud

Prep: Update Substitution Variables in PBCS & Essbase Cloud

- 1 source to control them all:
 - Table?
 - File?

```

SELECT [TARGET_SYSTEM]
, [APPLICATION]
, [VARIABLE]
, [VALUE]
FROM [UNLK].[dbo].[SUB_VARS]
    
```

100 %

Results Messages

	TARGET_SYSTEM	APPLICATION	VARIABLE	VALUE
1	ALL	ALL	CURRENT_YEAR	FY19
2	ALL	ALL	NEXT_YEAR	FY21
3	ALL	ALL	ACTUAL_YEAR	FY19
4	ALL	ALL	ACTUAL_MONTH	APR
5	ALL	ALL	ACTUAL_MONTH_PRIOR	DEC
6	OAC	ALL	SCENARIO_FORECAST	AprFcst
7	EPBCS-FinPlan	ALL	SCENARIO_FORECAST	CurrFcst
8	OAC	ALL	SCENARIO_AOP	AOP
9	EPBCS-FinPlan	ALL	SCENARIO_AOP	AOP

Recipe 1: Update Substitution Variables in PBCS & Essbase Cloud



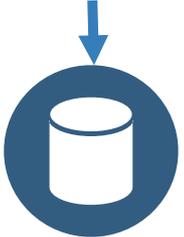
ON-PREMISES
DATABASE

Run SQL query on on-premises database, using the agent to pull variables to be updated in PBCS



Use the PBCS REST API to update PBCS related substitution variables

PBCS



Run SQL query on on-premises database, using the agent to pull variables to be updated in Essbase Cloud

ON-PREMISES
DATABASE



Use the Essbase REST API to update related substitution variables

ESSBASE

Ingredient 1: SQL Server Connection Set up

1. Create new Connection
2. Configure Connectivity: define host name, SQL database name
3. Configure Security: Username and password to the SQL database
4. Configure Agents: define which agent to use. In this case, that would be the ON_PREM_AGENT installed on the server where MS SQL database is installed

Ingredient 1: SQL Server Connection Set up

Video can be found on the unlocked cube Youtube channel

Video Name: Oracle Integration Cloud (OIC) - Create SQL Connection

Video Link: <https://www.youtube.com/watch?v=1VPNDTU3apc&feature=youtu.be>

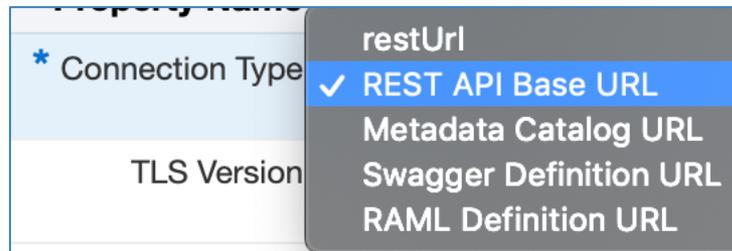
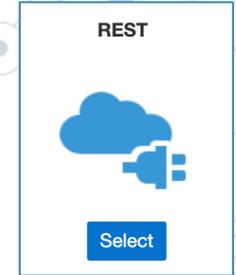
Ingredient 2: (E)PBCS REST API basics

- ⦿ Authorization: Basic, like other EPM services.
 - domain.username
- ⦿ Base URL:
 - [`https://Instance-Domain.pbcs.us2.oraclecloud.com/HyperionPlanning/rest/\(version\)`](https://Instance-Domain.pbcs.us2.oraclecloud.com/HyperionPlanning/rest/(version))
- ⦿ Current version: v3
- ⦿ Responses: JSON/XML

```
1 {  
2   "isLatest": true,  
3   "lifecycle": "active",  
4   "version": "v3",  
5   "links": [  
6     {  
7       "href": "https://planning2-a999999.pbcs.us2.oraclecloud.com:443/HyperionPlanning/rest/v3",  
8       "rel": "canonical"  
9     },  
10    {  
11     "href": "https://planning2-a999999.pbcs.us2.oraclecloud.com:443/HyperionPlanning/rest/v2",  
12     "rel": "predecessor-version"  
13    }  
14  ]  
15 }
```

Ingredient 2: (E)PBCS REST API Connection Set Up

1. Create new Connection: select the REST Adapter
2. Configure Connectivity: define connection type & URL



3. Configure Security:

Security Policy: Basic Authentication

Username: domain.username & Password

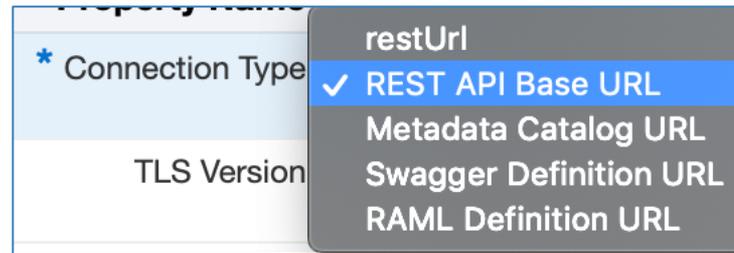
4. Configure Agents: Not applicable as we are not connecting to an on premise application

Ingredient 3: Essbase Cloud REST API basics

- ◎ Authorization: Basic, like other EPM services.
 - username@domain.com
- ◎ Base URL:
 - http(s)://server/essbase/rest/(version)
- ◎ Current version: v1
- ◎ Responses: JSON

Ingredient 3: Essbase Cloud REST API Connection Set Up

1. Create new Connection: select the REST Adapter
2. Configure Connectivity: define connection type & URL



3. Configure Security:
 Security Policy: Basic Authentication
 Username & Password
4. Configure Agents: Not applicable as we are not connecting to an on premise application

Step 1: Pull PBCS related variables from SQL

Variable	Data Type	Description	Value
(x) vAppNameEPBCS	string	Name of Target EPBCS application	FinPlan
(x) vAppNameEPBCS_SQL	string	Type a description	concat("EPBCS-", \$vAppNameEPBCS)

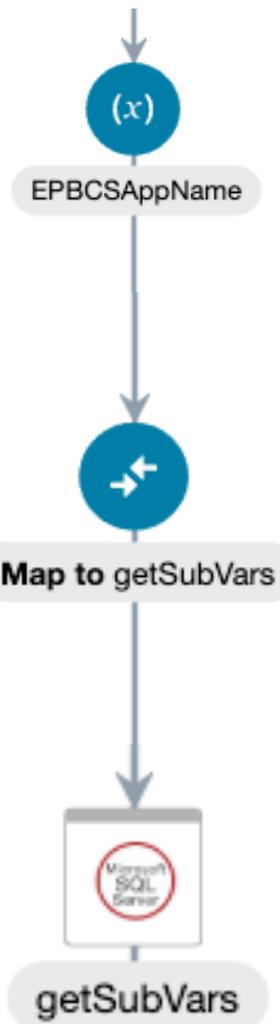
Map

View Filter Detach

Source Find... Mappings Target Find... Mapping

Source	Target	Mapping
*schedule	*getSubVarsInput	
*startTime		
\$vAppNameEPBCS_SQL	*vAppNameEPBCS_SQL	\$vAppNameEPBCS_SQL

```
* SQL Query
SELECT APPLICATION,VARIABLE,VALUE FROM [UNIKL\dbo].[SUB_VARS] WHERE
TARGET_SYSTEM = 'ALL' OR TARGET_SYSTEM = #vAppNameEPBCS_SQL order by 2
```



Step 2: Update variables in (E)PBCS

- ◎ Use EPBCS REST API to update each variable
 - POST action.
- ◎ Found at:
 - /applications/{EPBCSApplicationName}/substitutionvariables
- ◎ JSON Request

```
1 {  
2   "items": [  
3     {  
4       "planType": "ALL",  
5       "name": "CURRENT_YEAR",  
6       "value": "FY16"  
7     },  
8     {  
9       "planType": "ALL",  
10      "name": "NEXT_YEAR",  
11      "value": "FY17"  
12    }  
13  ]  
14 }
```

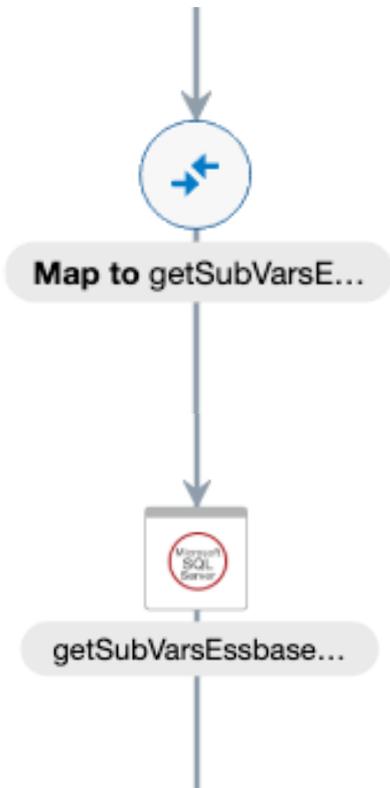
Step 2: Update variables in (E)PBCS

Video can be found on the unlocked cube Youtube channel

Video Name: OIC - Update Variables using PBCS REST API

Video Link: https://www.youtube.com/watch?v=m_h5jSc3R00&feature=youtu.be

Step 3: Pull Essbase Cloud related variables from SQL



* Invoke a Stored Procedure
 * **Run a SQL Statement**
 * Perform an Operation On a Table
 * Perform an Operation On a Table

Run a SQL Statement

* What operation do you want to perform on Table?

Insert
 Update
 Insert or Update (Merge)
 Select

* **SQL Query**

```

    SELECT APPLICATION,VARIABLE,VALUE FROM [UNLK].[dbo].[SUB_VARS] WHERE
    TARGET_SYSTEM IN ('ALL','OAC') order by 2
  
```

Validate SQL Query

Step 4: Update variables in Essbase Cloud

- ◎ Use Essbase REST API to update each variable
 - PUT action
- ◎ Found at:
 - Database Variable update:
`/applications/{appName}/databases/{dbName}/variables/{varName}`
 - Application Variable Update:
`/applications/{appName}/variables/{varName}`
 - Server Variable update: `/variables/{varName}`
- ◎ JSON Request

```
1 ▾ {  
2   "name": "ACTUAL_YEAR",  
3   "value": "FY23"  
4 }
```

Step 4: Update variables in Essbase Cloud

Video can be found on the unlocked cube Youtube channel

Video Name: OIC - Update Variables in Essbase Cloud using the REST API

Video Link: https://www.youtube.com/watch?v=m_h5jSc3R00&feature=youtu.be

Demo Time

Look and Feel



Demo

Video can be found on the unlocked cube Youtube channel

Video Name: OIC Integration - Update variables in PBCS and Essbase Cloud

Video Link: <https://www.youtube.com/watch?v=CbmFLNjfkU&feature=youtu.be>

A decorative network diagram in the top-left corner, consisting of various sized circles (nodes) connected by thin lines (edges). Some nodes are solid grey, while others are hollow with a grey outline. The connections form a complex, interconnected web.

4.

Recipe 2

On-premises > PBCS

Recipe: On-premises database to PBCS (dimension build)



ON-PREMISES
DATABASE

Run query on on-premises database, using the agent.



OIC
STAGING

Load query results to OIC staging area



PBCS
INBOX

Use PBCS REST to upload to Inbox.



RUN
JOB

Run PBCS job to run Import Metadata job using PBCS REST.

Ingredient 1: SQL Server Connection

- ⦿ Allows running queries, procedures, table operations

PAR_VAL	CH_VAL	ALIAS_VAL	SEQ_VAL
Account	Global Accounts		1
Global Accounts	NET REVENUE	Net Revenues	2
Global Accounts	COST OF GOO...	COGS	3
Parent	Account	Alias: Default	0
Global Accounts	KSCOPE	NULL	4

Ingredient 1: SQL Server Connection

Video can be found on the unlocked cube Youtube channel

Video Name: OIC - Pull data from SQL on-premise database

Video Link: <https://www.youtube.com/watch?v=YjnDXYCn234&feature=youtu.be>

Ingredient 2: OIC Stage File

- ⦿ Abstract OIC file storage area.
- ⦿ List, read, write, zip (unzip).
- ⦿ Provide schema (i.e., layout of file)



Configure the Stage File Action Parameters for the Selected Operation

Define the parameters for Stage File Operation

- Basic Info
- Configure Operation**
- Schema Options
- Format Definition
- Summary

*** Choose Stage File Operation** Write File ▼

*** Specify the File Name** \$vFileName

*** Specify the Output Directory** \$vOICDir

Append to Existing File

- Basic Info
- Configure Operation
- Schema Options
- Format Definition**
- Summary

Select a New Delimited Data File Browse... No file selected.

Selected File Name Dim.csv

*** Enter the Record Name** accountRec

*** Enter the Recordset Name** accountRecAll

Select the Field Delimiter Comma (,) ▼

Character Set UTF8 ▼

Optionally Enclosed By " ▼

Detach Use First Row as Column Headers Mark All As Optional

Parent	Account	Alias
String ▼	String ▼	String ▼
Mandatory ▼	Mandatory ▼	Optional ▼
Account	Global Accounts	
Global Accounts	NET REVENUE	Net Revenues
Global Accounts	COST OF GOODS SOLD	COGS
NET REVENUE	Global Accounts	Net Revenues

Ingredient 2: OIC Stage File

Video can be found on the unlocked cube Youtube channel

Video Name: OIC - Stage File

Video Link: <https://www.youtube.com/watch?v=W4EZpRrLdZU&feature=youtu.be>

Ingredient 3: PBCS Inbox Upload

- ◎ Use the migration REST API.
- ◎ Allows file upload/download.
 - POST action.
- ◎ Basic authentication.
- ◎ Found at:
 - <https://EPBCSURL/interop/rest/11.1.2.3.600/applicationsnapshots/filename/contents?q={isLast:true,chunkSize:xxx,isFirst:true}>

Shout out to the immense John Goodwin for providing the [idea](#)

Ingredient 3: REST Adapter Setup

EPBCS_INTEROP

REST | Used by **5** Integrations

EPBCS Migration REST APIs

Connection Properties

Enter information so we can connect to your application/endpoint and process requests.

Property Name	Property Value
* Connection Type	REST API Base URL
TLS Version	< Please select an item from the list >
* Connection URL	https://unlock.pbc.us2.oraclecloud.com/interop/rest/11.1.2.3.600
Enable two way SSL for outbound connecti...	< Please select an item from the list >
Identity keystore alias name (Optional)	Name of alias to use for establishing identity during two way SSL communication

OK Cancel

Credentials

You can configure the Security Policy for this connection. Please select the Security Policy.

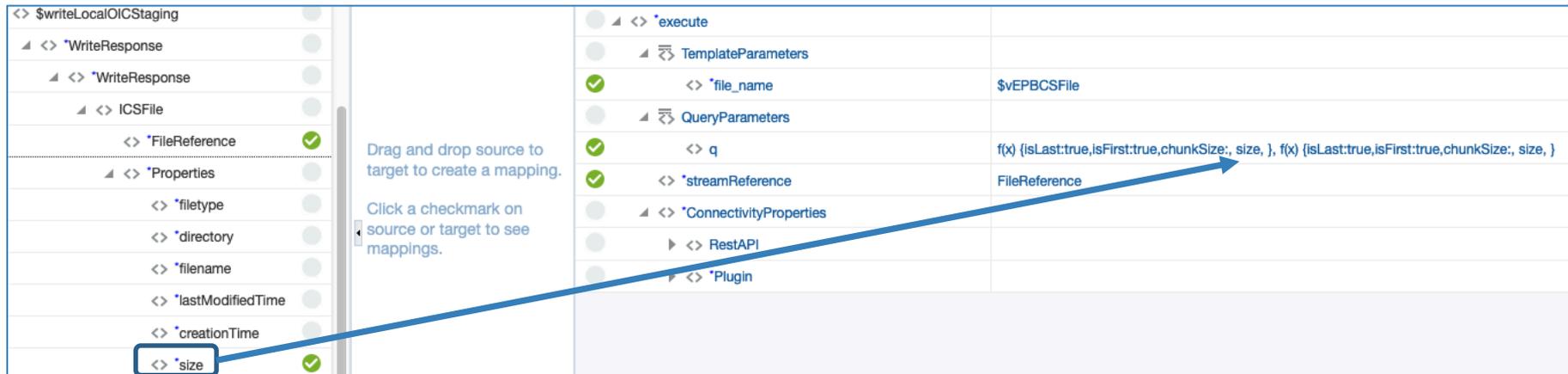
Security Policy Basic Authentication

Your application/endpoint requires that users and services provide security credentials for acc

Property Name	Property Value
* Username	unlk.william@andreelli.com
* Password
* Confirm Password

Secret Sauce: Mapping & Streaming

🎯 OIC mapping capabilities for file size.



Drag and drop source to target to create a mapping.
Click a checkmark on source or target to see mappings.

Source	Target
<input checked="" type="checkbox"/> *file_name	\$VEPBCSFile
<input checked="" type="checkbox"/> *q	f(x) {isLast:true,isFirst:true,chunkSize:, size, }, f(x) {isLast:true,isFirst:true,chunkSize:, size, }
<input checked="" type="checkbox"/> *streamReference	FileReference

The screenshot shows the OIC mapping interface. On the left, a tree view shows the source structure: \$writeLocalOICStaging > WriteResponse > WriteResponse > ICSFile > FileReference (checked) > Properties > size (checked). On the right, the target structure is shown: execute > TemplateParameters > file_name (checked) = \$VEPBCSFile, QueryParameters > q (checked) = f(x) {isLast:true,isFirst:true,chunkSize:, size, }, f(x) {isLast:true,isFirst:true,chunkSize:, size, }, and streamReference (checked) = FileReference. A blue arrow points from the 'size' property in the source tree to the 'file_name' property in the target tree.

🎯 Why? Because the PBCS API requires “chunks”.

Secret Sauce: Mapping & Streaming

- ⦿ Select “Raw” > “application/octet-stream” for OIC REST payload configuration.

Configure the Request Payload
Configure the request payload details for this endpoint.

Basic Info ✓
Request Parameters ✓
Request ✓
Request Headers
Response ✓
Response Headers
Summary ✓

Select the attachment processing options

Send attachments in request
 Request is HTML form

Select the request payload format

Raw

Select the type of payload with which you want the endpoint to send

application/octet-stream

Media Type For example, application/mp4

Ingredient 3: REST Adapter Setup

Video can be found on the unlocked cube Youtube channel

Video Name: OIC - update dimensions in PBCS using OIC and the PBCS REST API - REST API Setup

Video Link: <https://www.youtube.com/watch?v=DXLw1luBYiE&feature=youtu.be>

Ingredient 4: PBCS Run Import Metadata job

- ⦿ Set up a job on PBCS.
- ⦿ Use REST to run the job. upload/download.
 - POST action.
 - JobType: IMPORT_METADATA
- ⦿ Found at:
 - https://EPBCSURL/HyperionPlanning/rest/{api_version}/applications/{application}/jobs

```
1 {  
2     "jobType": "IMPORT_METADATA",  
3     "jobName": "bldAccounts"  
4  
5 }
```

Ingredient 4: PBCS Run Import Metadata job

Video can be found on the unlocked cube Youtube channel

Video Name: OIC - execute Import job in PBCS using OIC and the PBCS REST API

Video Link: <https://www.youtube.com/watch?v=DHxo1OomYkk&feature=youtu.be>

Demo Time

Running the job

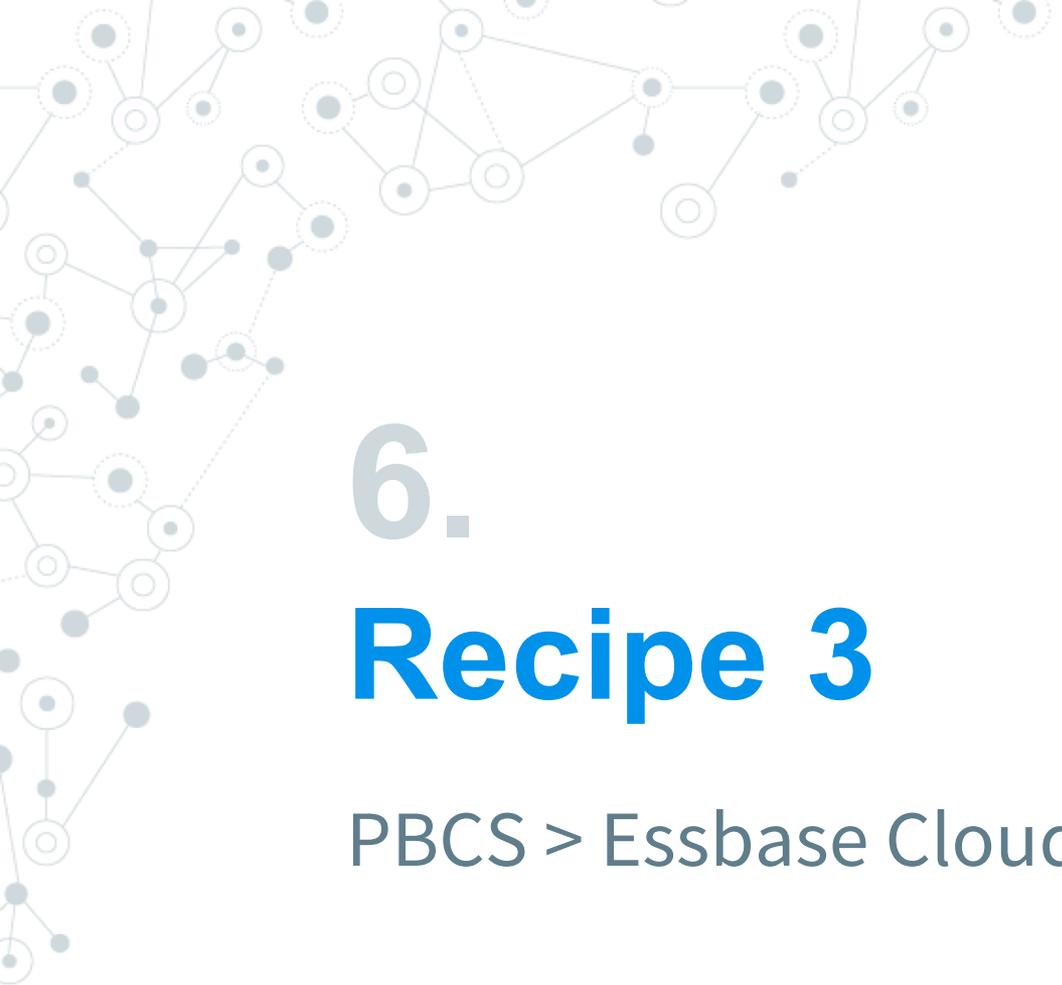


Summary

Video can be found on the unlocked cube Youtube channel

Video Name: OIC - Update Dimensions in PBCS using OIC from SQL table

Video Link: <https://www.youtube.com/watch?v=PmkgqobtVAk&feature=youtu.be>

A decorative network diagram in the top-left corner, consisting of various sized circles (nodes) connected by thin lines (edges). Some nodes are solid grey, while others are hollow with a grey outline. The network is dense and irregular.

6.

Recipe 3

PBCS > Essbase Cloud

Recipe: Push PBCS data to Essbase Cloud (OAC)



Run business rule to export forecast to PBCS Inbox.

Write and read export file contents to FTP using OIC FTP adapter.

Push file to Essbase Cloud directory using REST.

Run Essbase Cloud job load data using REST.

Prep: Run export rule

© Simple rule to export data.

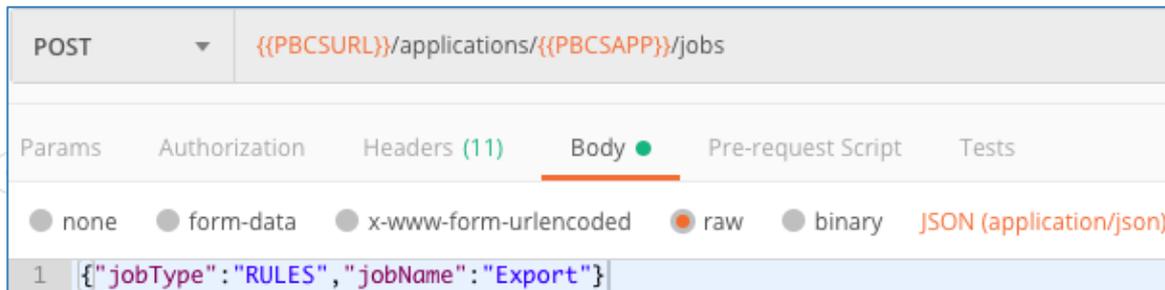
```

FIX(
  "AOP",
  "Current",
  Jan:Dec,
  "FY19",
  @RELATIVE("Company", 0),
  @RELATIVE("Country", 0),
  @RELATIVE("CostCenter", 0),
  @RELATIVE("Product", 0),
  @RELATIVE("Customer", 0),
  @RELATIVE("Account", 0),
  "Inp",
  "Local_Currency")

  DATAEXPORT "File" ", " "/u03/lcm/export.txt" ";
ENDFIX

```

© PBCS REST to execute rule.



The screenshot shows a REST client interface with the following details:

- Method:** POST
- URL:** `{{PBCSURL}}/applications/{{PBCSAPP}}/jobs`
- Params:** none
- Authorization:** none
- Headers:** 11
- Body:** Selected, with radio buttons for none, form-data, x-www-form-urlencoded, raw, binary, and JSON (application/json).
- Body Content:** `1 [{"jobType": "RULES", "jobName": "Export"}]`

Prep: Load file to FTP

- ◎ Use OIC FTP adapter for writing file.
- ◎ PBCS REST allows you to read contents from the Inbox.

▶ GET Content Read Examples (0) ▼

GET Send ▼ Save ▼

Params Authorization ● Headers (10) Body Pre-request Script Tests Cookies Code Comments (0)

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body Cookies (5) Headers (15) Test Results Status: 200 OK Time: 285 ms Size: 12.09 KB Save Download

Pretty Raw Preview Auto ▼ ↻ 🔍

```

1 "Jan", "Feb", "Mar", "Apr", "May", "Jun", "Jul", "Aug", "Sep", "Oct", "Nov", "Dec"
2 "FY19", "AOP", "Current", "CO200", "CC0000", "CYRISK", "Local_Currency", "CU000", "LI00", "000000", "AC60120", #Mi, #Mi, 50.0000, 10.0000, 555.0000, 10.0000, 10.0000, #Mi, 888.0000, 55.0000
3 "FY19", "AOP", "Current", "CO200", "CC0000", "CYRISK", "Local_Currency", "CU000", "LI00", "000000", "AC61020", #Mi, #Mi, 30.0000, 40.0000, 10.0000, 50.0000, 20.0000, 60.0000, 100.0000, 60.0000, #Mi, 3.0000
4 "FY19", "AOP", "Current", "CO200", "CC4000", "CYUSA1", "Local_Currency", "CU000", "LI00", "200000", "AC60120", #Mi, #Mi, 14641.0000, #Mi, #Mi, 16105.1000, #Mi, #Mi, 17715.6100, #Mi, #Mi, 19487.1710
5 "FY19", "AOP", "Current", "CO200", "CC4000", "CYUSA1", "Local_Currency", "CU000", "LI00", "200000", "AC61000", #Mi, #Mi, 14626.3590, #Mi, #Mi, 16088.9949, #Mi, #Mi, 17697.8944, #Mi, #Mi, 19467.6838

```

Ingredient 1: OIC FTP Adapter

◎ Upload and download files.

Connection Properties		
Enter information so we can connect to your application/endpoint and process requests.		
Property Name	Upload File	Property Value
* FTP Server Host Address		<input type="text" value="ftp.theunlockedcube.com"/>
* FTP Server Port		<input type="text" value="21"/>
SFTP Connection		<input type="text" value="Yes"/>

◎ Complex file handling.

◎ Why FTP? Oracle A-team [document](#).

Ingredient 1: OIC FTP Adapter

Video can be found on the unlocked cube Youtube channel

Video Name: OIC - Read FTP File

Video Link: <https://www.youtube.com/watch?v=D8HIIJBbJFI&feature=youtu.be>

Ingredient 2: Essbase REST API

- ◎ PUT action allows you to load a file to Essbase.
 - `http(s)://server/essbase/rest/(version)/files/applications/{appname}/{dbname}/{filename}`
- ◎ OIC REST endpoint setup.

*** What do you want to call your endpoint?**

putForecastFile

What does this endpoint do?

PUT forecast file into Essbase Cloud directory

*** What is the endpoint's relative resource URI?**

/files/applications/{appname}/{dbname}/{filename}

*** What action do you want to perform on the endpoint?**

PUT

Select the request payload format

Raw

Select the type of payload with which you want the endpoint to send

application/octet-stream

Secret Sauce: Mapping

🎯 Map from FTP to Essbase Cloud.

Map to putForecastFile load_EPBCS_Essbase (1.0)

Map

Source	Find...	Mappings	Target	Find...	Mapping
<ul style="list-style-type: none"> *schedule *startTime *\$readFTP <ul style="list-style-type: none"> *SyncReadFileResponse <ul style="list-style-type: none"> *FileReadResponse <ul style="list-style-type: none"> *FTPResponseHeader *ICSFile <ul style="list-style-type: none"> *FileReference <input checked="" type="checkbox"/> *Properties *\$AppName <input checked="" type="checkbox"/> *\$DBName <input checked="" type="checkbox"/> *\$FileName <input checked="" type="checkbox"/> 		<p>Drag and drop source to target to create a mapping.</p> <p>Click a checkmark on source or target to see mappings.</p>	<ul style="list-style-type: none"> *execute <ul style="list-style-type: none"> TemplateParameters <ul style="list-style-type: none"> *filename <input checked="" type="checkbox"/> \$vFileName *appname <input checked="" type="checkbox"/> \$vAppName *dbname <input checked="" type="checkbox"/> \$vDBName QueryParameters <ul style="list-style-type: none"> overwrite <input checked="" type="checkbox"/> "true" *streamReference <input checked="" type="checkbox"/> FileReference *ConnectivityProperties <ul style="list-style-type: none"> RestAPI *Plugin 		

🎯 Why? This allows the file to be streamed to Essbase Cloud directory.

Ingredient 3: Essbase REST API

- ⦿ POST action allows you to run a job on Essbase to load the file:
 - [http\(s\)://server/essbase/rest/\(version\)/jobs](http(s)://server/essbase/rest/(version)/jobs)
- ⦿ Payload

The screenshot shows a REST client interface with the following details:

- Method:** POST
- URL:** `{{URL}}/{{VERSION}}/jobs/`
- Body Type:** JSON (application/json)
- Body Content:**

```
1 {
2   "application": "FinRpt",
3   "db": "FinRpt",
4   "jobtype": "dataload",
5   "parameters":
6   {
7     "rule": "ld_fcst5.rul",
8     "file": "export.txt"
9   }
10 }
```

Secret Sauce: REST endpoint setup

🎯 Payload.

✔ Basic Info	Select the attachment processing options <input type="checkbox"/> Send attachments in request <input type="checkbox"/> Request is HTML form
✔ Request	Select the request payload format <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">JSON Sample</div>
Request Parameters	? Schema Location <input type="button" value="Browse..."/> No file selected. --OR-- enter sample JSON <<< inline >>>
Request Headers	* Element <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">request-wrapper</div>
✔ Response	Select the type of payload with which you want the endpoint to send <input type="radio"/> XML <input type="radio"/> XML(text) <input checked="" type="radio"/> JSON
Response Headers	
✔ Summary	

```

{
  "application": "FinRpt",
  "db": "FinRpt",
  "jobtype": "dataload",
  "parameters": {
    "rule": "ld_fcst5.rul",
    "file": "export.txt" }
}

```

Ingredients 2 & 3: Essbase REST

Video can be found on the unlocked cube Youtube channel

Video Name: OIC - Push File from PBCS to Essbase Cloud and load file into Essbase Cloud

Video Link: <https://www.youtube.com/watch?v=4EAejusXsLg&feature=youtu.be>

Demo Time

Running the job



Running the job

Video can be found on the unlocked cube Youtube channel

Video Name: OIC - load PBCS data into Essbase Cloud - end to end

Video Link: <https://www.youtube.com/watch?v=SpHb8Bd15cc&feature=youtu.be>

Summary

- ◎ Many adapters
- ◎ Would be nice to have Cloud EPM adapters
- ◎ Be aware of different file options
- ◎ REST knowledge required



Thanks!

Any questions?

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