

Overview of Business Intelligence Cloud Connector

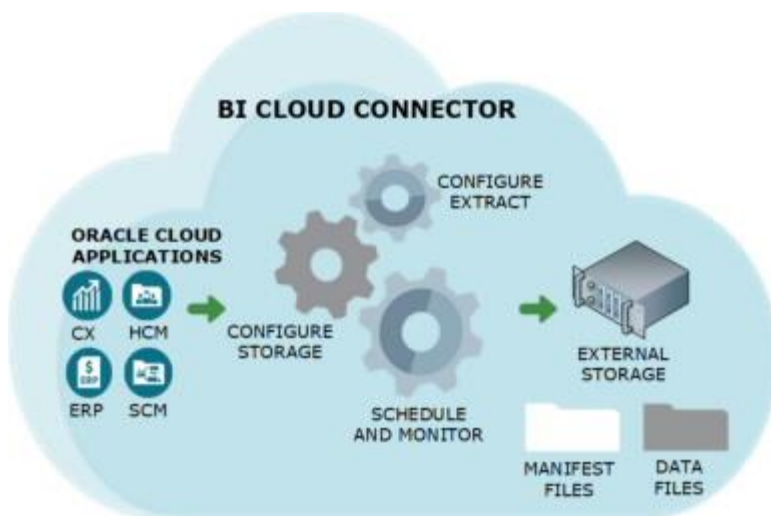
You can use Oracle Business Intelligence Cloud Connector (BICC) to extract business intelligence and other data in bulk and load it into designated external storage areas.

BICC is available as part of the Oracle Applications Cloud subscription. Additional access provisioning is required and you must sign into BICC to perform all tasks related to the data extraction. Details about access provisioning are provided in the Provision Access section.

After you sign into BICC, you can select the offerings from which to extract data, and also specify whether you want to store the extracts on a dedicated external cloud storage or load them into Oracle Universal Content Management (UCM). The extracted data is secure because the security standards applied to Oracle Applications Cloud extend to BICC as well. Extracts run faster depending on what you extract and how. Let's look at what you can do with BICC to extract data efficiently from the products available in your implementation:

- Configure an external storage location that works for your data needs.
- Extract complete or partial data. You can select offerings or specific objects.
- Run extracts on-demand or schedule them to run at specified intervals during the day, in a week, or throughout the month.
- Run incremental extracts if you need only the data that changed since your last extract.
- Schedule multiple independent extracts at convenient intervals.
- Monitor extracts and review logs.
- Export configured offerings and associated data stores.
- Manage refresh metadata and specify dates for incremental refresh comparison.

Here's a simple illustration of the workflow for storing, running, and managing the extracts.



<https://docs.oracle.com/en/cloud/saas/applications-common/22b/biacc/overview-of-business-intelligence-cloud-connector.html#u00180685>

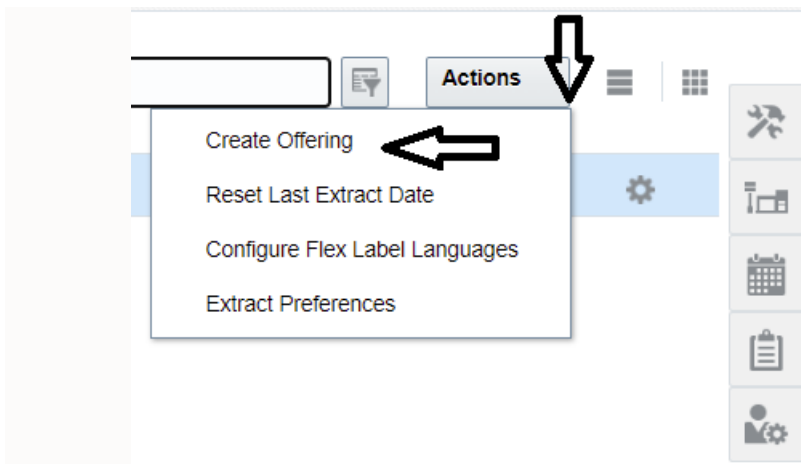
Task Group	Task	Description
Get Started	Sign in to BICC	Use the provisioned account and sign in.
	Set BICC Console Preferences	Personalize the console as per your preferences.
	Review View Object to Database Lineage Mappings	Review and understand how the BI view objects and database lineages are mapped.
Implement	Select BIVOs	Select any of the offerings and select the associated BIVOs.
	Configure External Storage	Select a storage location for the cloud extract files.
Schedule an Extract	Run an Extract	Create an extract schedule or run data extract for the selected BIVOs.
	Schedule an Extract	You can create and run multiple extract schedules and data extracts.
Administer	Monitor an Extract	You can view last cloud extract and check error messages in the case of failures. You can check scheduled jobs' logs to review issues causing errors and get support to resolve them.
	Download extract files	Download the extracted files from the configured storage location.

1) Sign-In

Open any browser and enter < <https://<saas cloud host name>:<saas cloud port number>/biacm>>. Alternatively, you can use the web link supplied to you by Oracle Cloud Support. Enter your credentials and sign in to BICC.

2) Design Custom Extract definitions: Create Offerings.

A) Go to Actions =>Create Offerings



B) Enter offering Code, offering Name, Description and Data Store (as per your requirement)

Create Offering ?

Save Cancel

* Offering Code <Offering Code>

* Offering Name <Offering Name >

Offering Description <Team Blog>

Associate Data Store

Filter FscmTopModelAM.PrcPozPublicViewAM.SupplierSitePVO

Data Store FscmTopModelAM.PrcPozPublicViewAM.SupplierSitePVO

B) Select “DataStore” to select/unselect the columns needed for the extract .

Data Store for Offering: MJ Vendor and Vendor Sites ?

Done

View + X ↺ Detach

Business Object	Data Store	Supports Incremental	Effective Date Disabled	Last Extract Date	Actions
PrcPozPublicView	FscmTopModelAM.PrcPozPublicViewAM.SupplierSitePVO	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Columns Hidden 3

C) Click on “Select Columns” to select extract columns and incremental column.

Data Store Code FscmTopModelIAM.PrcPozPublicViewAM.SupplierSitePVO

Silent Error ☐

Offerings

Query Filter

Disable Effective Date Filter ☐Extract Data Store Metadata ☐Use UNION ALL for incremental extract ☐Use Broker Mode for Extract ☐

Last Extract Date

MJ Vendor and Vendor Sites

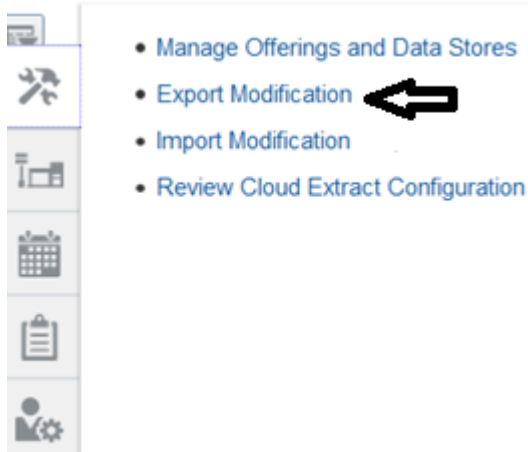
Data Store Columns

Column Name	Select List	Incremental Filter	Primary Key	Effective Start Date	Creation Date
AltPaySiteVendorSiteCode	✓	—	—	—	—
ApAmtToleranceToleranceName	✓	—	—	—	—
ApToleranceDescription	✓	—	—	—	—
ApToleranceLastUpdateDate	✓	✓	—	—	—
ApToleranceMaxQtyOrdTolerance	✓	—	—	—	—
ApToleranceMaxQtyRecTolerance	✓	—	—	—	—
ApTolerancePriceTolerance	✓	—	—	—	—
ApToleranceQtyReceivedTolerance	✓	—	—	—	—
ApToleranceQuantityTolerance	✓	—	—	—	—

231 columns selected

(Please verify selected columns, Incremental Filter and Primary key)

3) Export BICC File



4) List Of all the columns(Sample) and its properties

Column Name	Data Type	Size	Include	Incremental Key
SupplierSiteCreationDate	TIMESTAMP	0	Yes	No
SupplierSiteDefaultPaySiteId	NUMERIC	8	Yes	No
SupplierSiteEmailAddress	VARCHAR	2000	Yes	No
SupplierSiteFobLookupCode	VARCHAR	25	Yes	No
...etc (Required Columns)				
SupplierLastUpdateDate	TIMESTAMP	0	Yes	Yes

Note : Last Update date is used for the Incremental data update capture.

5) Pre-Requisite

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Required SCM and other Roles to access BICC tool and SCM view objects.

Create new user “**BIADMIN**” (if not available) with following roles.

User Name : BIADMIN	
Sr No	Roles
1.	ORA_ASM_APPLICATION_IMPLEMENTATION_ADMIN_ABSTRACT
2.	OBIA_EXTRACTTRANSFORMLOAD_RWD Upload and download data from on premise system to cloud system
3.	ORA_ASM_APPLICATION_IMPLEMENTATION_CONSULTANT_JOB
4.	ORA_ASM_APPLICATION_IMPLEMENTATION_MANAGER_JOB
5.	BICC_UCM_CONTENT_ADMIN
6.	RCS_SCM_EXTRACT_TRANSFORM_LOAD_DUTY Supply Chain Management Extract Transform and Load Duty
7.	OBIA_EXTRACT_TRANSFORM_LOAD_DUTY Extract Transform and Load Duty (other Role)

6) Setup: Verify the Prune time for the immediate/scheduled data refresh.

[Manage Offerings and Data Stores](#)=> Extract Preferences

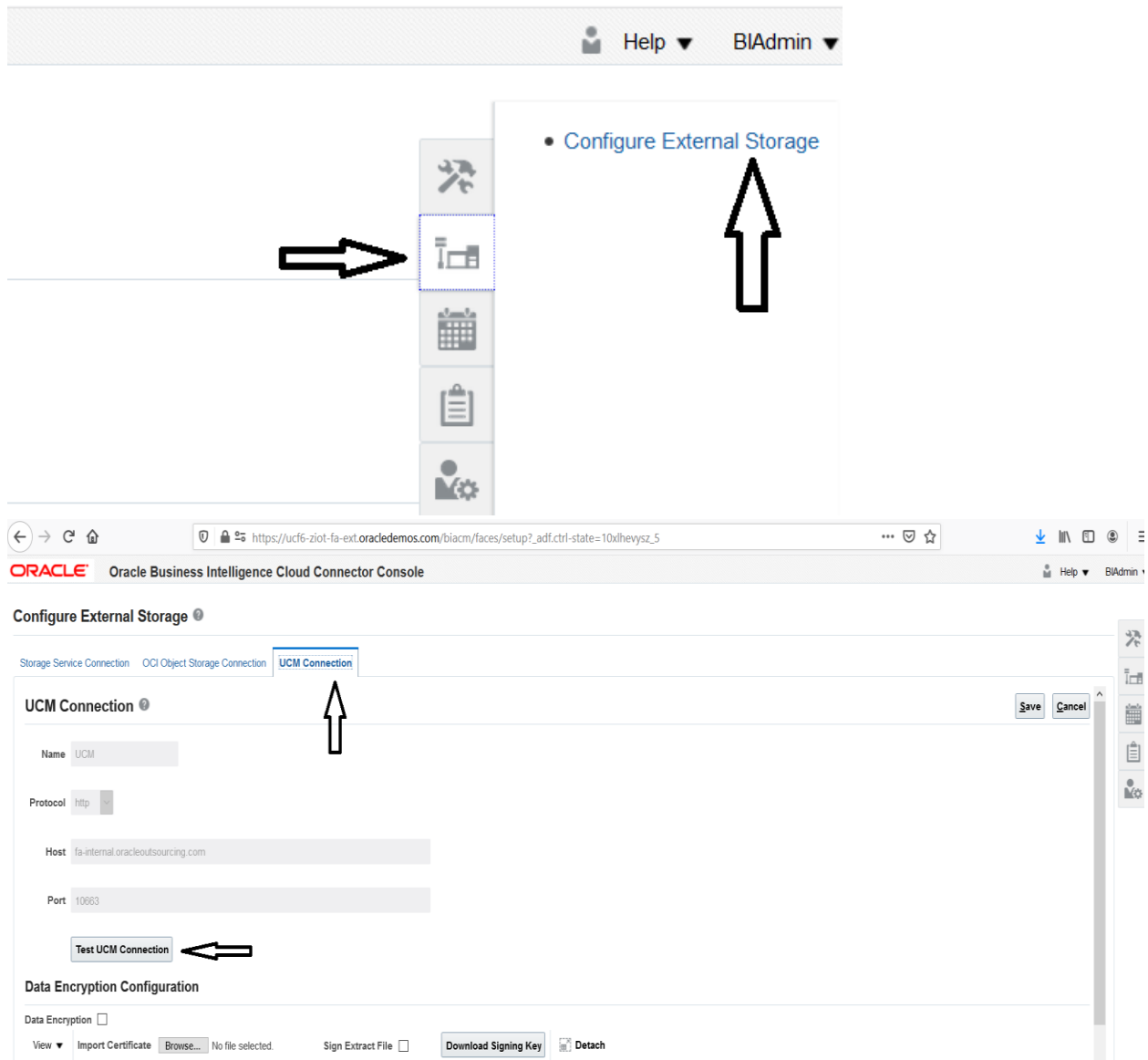
The screenshot shows the Oracle Business Intelligence Cloud Connector Console. The 'Offerings' section is visible on the left, listing various data management offerings. The 'Extract Preferences' page is open, showing the 'General' tab. The 'Preferred Extract Language' is set to 'American English'. The 'Prune time in Minutes' is set to 0, which is highlighted by a black arrow. The 'Job Settings' section shows 'Timeout in Hours' set to 10 and 'Timeout Force Fail' checked. The 'File Parameters' section shows 'Compression type' set to 'Zip', 'Split file size(GB)' set to 2, and 'Uploaded file expiry(Days)' set to 10. The 'Actions' menu is open, showing options like 'Create Offering', 'Reset Last Extract Date', 'Configure Flex Label Languages', and 'Extract Preferences'.

Note : To ensure data dependencies across objects are maintained during incremental extracts, you can set a prune time that determines how long before the last extract date to extract data from. The default, 1,440 minutes or 24 hours, ensures a look-back that works best for extracts with daily or higher recurrence. You should adjust prune time to a smaller window if your extracts are scheduled more frequently or if any downstream system can handle objects extracted in any order. In general, use prune time in accordance with

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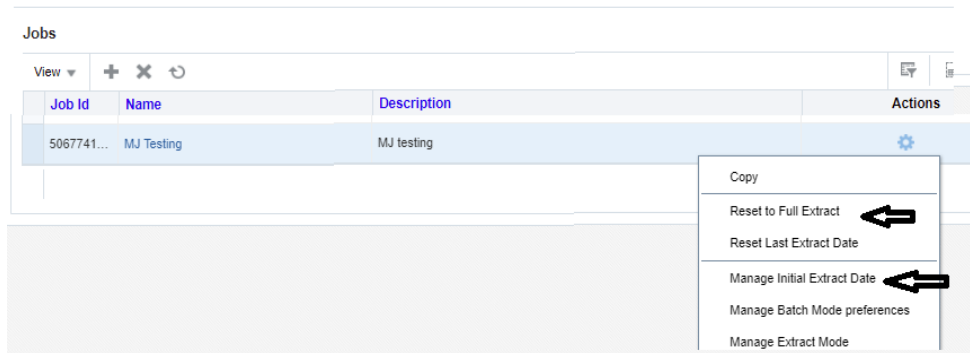
the frequency of your extracts. If you run extracts hourly, set the prune time to 60 minutes. If you run daily, leave it as the default of 1,440 minutes. If you don't need overlapping data to manage early or late dependencies across data stores, you can set the prune time to zero..

- 7) **Setup: Navigate to Configure External Storage as show below and make sure UCM Connection setup is existing.**



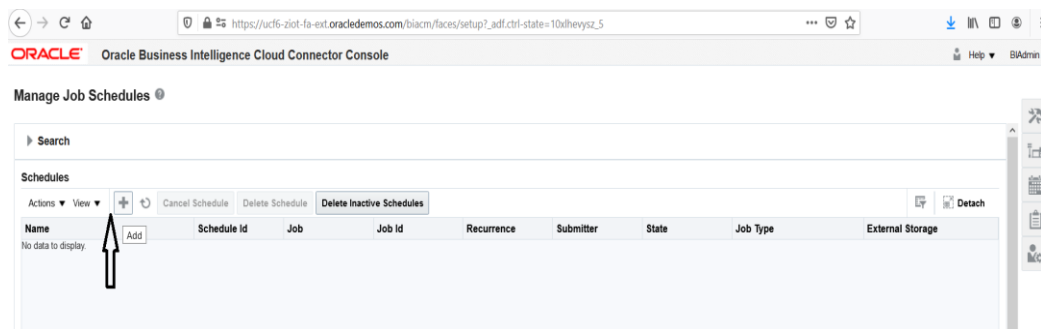
8) How to Run Extract Job

- 1) Navigate to Manage Job incase of Job is not created /Uploaded .

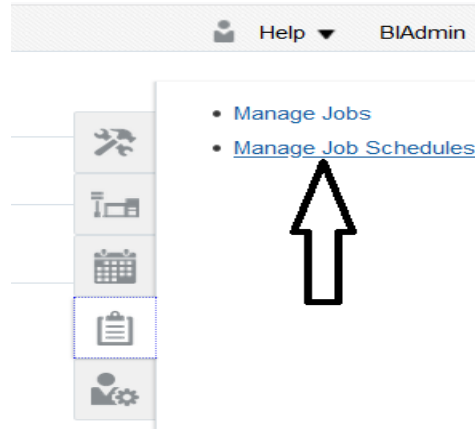


Note : You can reset the extract date in the “Actions” tasks including full reset of columns.

2) Navigate to “[Manage Job Schedules](#)” and Click on “Add”



3) Enter Job name ,External storage ,job type and Name of the Job as shown below and Save it.



Schedule

Job: FFRC_VENDORS_LOCATIONS_BULK_WACS

Job Type: Application Data Extract

External: UCM

Storage: Recurrence

Name: FFRC_VENDORS_BULK

Recurrence: Immediate

Notification

Notification: Use Global Extract Schedule Notification

Notify on: ☐ Start ☐ Success ☐ Failure

Manage Job Schedules

Search

Actions: View, Cancel Schedule, Delete Schedule, Delete Inactive Schedules

Name	Schedule Id	Job	Job Id	Recurrence	Submitter	State	Job Type	External Storage
FFRC_VENDORS_BULK	2012413	FFRC_VENDORS...	41	IMMEDIATE	BIAdmin	SUCCEEDED	Application Data Extract	UCM

Note : Status should be in “Succeeded” status.

- 4) Go to UCM and search for the extracted files as show below.

<https://<Fusion application URL>/cs>

- A) Enter Security Group as “OBIA.*” and search.

Oracle WebCenter Content

Search: Expanded Form

Results: 2

Search Criteria:

- Content ID: Starts
- Title: Starts
- Type: Matches
- Security Group: Matches (OBIA.*)
- Account: Matches
- Author: Starts
- Release Date: From To
- Expiration Date: From To
- Comments: Starts
- Profile: Matches
- Partner Program: Starts
- Partner Level: Starts
- Partner Type: Starts

- B) Click on ID and download the file. You will be able to see the CSV file as per the vendor extract mapping file in the BICC.

Select	ID	Title	Date	Author	Actions
<input type="checkbox"/>	UCMF402530605	EXTRACT_STATUS_DATA_41-SCHEDULE_2012413_REQUEST_2012413-20120325_103903.JSON	3/25/21	FUSION_APPS_C	
<input type="checkbox"/>	UCMF402530604	MANIFEST_DATA_41-SCHEDULE_2012413_REQUEST_2012413.MF	3/25/21	FUSION_APPS_C	
<input type="checkbox"/>	UCMF402530602	file_fscmtpmodelam_prpazpublicviewam_supplierstepw-batch1846878430-20210325_104135.zip	3/25/21	FUSION_APPS_C	

Note: BI Cloud Connector supports signed and unsigned encryption using Pretty Good Privacy (PGP) for files uploaded to Universal Content Management (UCM). Use your private key to decrypt uploaded files.

- C) Configure OIC to pick the file from OIC either manual/scheduled process (Not covered here).

Note : Please find below version of the BICC used for documentation

Oracle Business Intelligence Cloud Connector Console version 11.13.0.0.0.

Build 11.13.0.0.0-22.04.20220214193442

*****END*****