

BI CLOUD CONNECTOR CONSOLE FOR RELEASE 12

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CONTENT SUBJECT TO CHANGE

The information in this document is correct as of the published date. However, Oracle Cloud Applications continue to evolve and software updates are applied frequently; therefore this information is subject to change. Check with your Oracle Representative for updates.

This content is not warranted to be error-free.

ABOUT THIS DOCUMENT

This document supplements standard product documentation, which you are encouraged to review. To find documentation and other learning resources, such as guides, whitepapers, and videos, visit the [Help Center for Oracle Cloud Applications](#).

AUDIENCE

This document is for those involved in implementing Oracle Cloud Applications, such as Application Administrators, Implementation Consultants, and IT Staff.

The tips and techniques detailed in this document may not be suitable for a deployment of other Oracle Applications.

THE PURPOSE OF BI CLOUD CONNECTOR CONSOLE

BI Cloud Connector Console is used to extract Business Intelligence data from a Fusion Applications Cloud data source into an Oracle Storage Service or UCM server.

ACCESSING BI CLOUD CONNECTOR CONSOLE

BI Cloud Connector Console (BICCC) comes preconfigured with the cloud environment and it can generally be accessed using this URL: <https://<Host:Port>/biacm>.

The Universal Content Management storage (UCM) that is preconfigured with BICCC can be accessed using this URL: <https://<Host:Port>/cs>.

USING BI CLOUD CONNECTOR CONSOLE

There are three primary tasks that you have to perform in BICCC to extract data from your cloud application into the UCM server or Oracle Storage Service.

STEP 1: CONFIGURE CLOUD EXTRACT

In the first step, you select a particular application offering and either select all data stores by selecting the checkbox at the offering level, or select specific data stores for extraction by deselecting the checkbox at offering level and select the checkboxes at the data store level.

Cloud Extract Administration

- Configure Cloud Extract
- Configure External Storage
- Manage Extract Schedules

Preferences

- Regional
- Language
- Accessibility

Business Intelligence Applications Offerings

Offering	Enabled for Extract
Oracle Marketing Analytics	<input type="checkbox"/>
Oracle Partner Analytics	<input type="checkbox"/>
Oracle Procurement and Spend Analytics	<input type="checkbox"/>
Oracle Product Information Management Analytics	<input type="checkbox"/>
Oracle Project Analytics	<input type="checkbox"/>
Oracle Sales Analytics	<input checked="" type="checkbox"/>
Oracle Supply Chain and Order Management Analytics	<input type="checkbox"/>

Check this to select all data stores for extraction under a particular application offering
OR Uncheck this to selectively check data stores you want to extract the data for

Data Store for Offering: Oracle Sales Analytics

Data Store	Last Extract Date	Enabled for Extract
CrmAnalyticsAM.ActivitiesAM.Activity		<input checked="" type="checkbox"/>
CrmAnalyticsAM.ActivitiesAM.ActivityAssignee		<input checked="" type="checkbox"/>
CrmAnalyticsAM.ActivitiesAM.ActivityContact		<input checked="" type="checkbox"/>

Oracle Sales Analytics			<input type="checkbox"/>
Oracle Supply Chain and Order Management Analytics			<input type="checkbox"/>
▲ Data Store for Offering: Oracle Sales Analytics			
View ▼	+	✎	⌂
Data Store			
CrmAnalyticsAM.ActivitiesAM.Activity		Last Extract Date	Enabled for Extract
CrmAnalyticsAM.ActivitiesAM.ActivityAssignee			<input checked="" type="checkbox"/>
CrmAnalyticsAM.ActivitiesAM.ActivityContact			<input checked="" type="checkbox"/>
CrmAnalyticsAM.AgreementAM.AgreementItemPVO			<input type="checkbox"/>

Selectively check data stores under a particular application offering

Last Extract Date

Enabled for Extract

If you want to fully extract a particular data store, you can do so by clicking the Reset button. This resets the Last Extract Date to NULL, so the next scheduled extract will be a full extract of the data for that data store.

▲ Data Store for Offering: Oracle Sales Analytics			
View ▼	+	✎	⌂
Data Store			
CrmAnalyticsAM.LeadAM.LeadTerritoryAssocPVO		Last Extract Date	Enabled for Extract
CrmAnalyticsAM.LookupValuesAM.LookupValues			<input type="checkbox"/>
CrmAnalyticsAM.OpportunityAM.Opportunity		09-29-2016 2:1...	<input checked="" type="checkbox"/>

Click here to reset the Last Extract Date for a particular datastore to Null to do a full extract again

Last Extract Date

Enabled for Extract

▲ Data Store for Offering: Oracle Sales Analytics			
View ▼	+	✎	⌂
Data Store			
CrmAnalyticsAM.LeadAM.LeadTerritoryAssocPVO		Last Extract Date	Enabled for Extract
CrmAnalyticsAM.LookupValuesAM.LookupValues			<input type="checkbox"/>
CrmAnalyticsAM.OpportunityAM.Opportunity			<input checked="" type="checkbox"/>

Reset to Full Extract

Warning

Reset to Full Extract will reset the selected data store. Changes will not be saved. Please click Save button to complete Reset to Full Extract.

OK

Oracle Sales Analytics			<input type="checkbox"/>
Oracle Supply Chain and Order Management Analytics			<input type="checkbox"/>
▲ Data Store for Offering: Oracle Sales Analytics			
View ▼	+	✎	⌂
Data Store			
CrmAnalyticsAM.LeadAM.LeadTerritoryAssocPVO		Last Extract Date	Enabled for Extract
CrmAnalyticsAM.LookupValuesAM.LookupValues			<input type="checkbox"/>
CrmAnalyticsAM.OpportunityAM.Opportunity			<input checked="" type="checkbox"/>

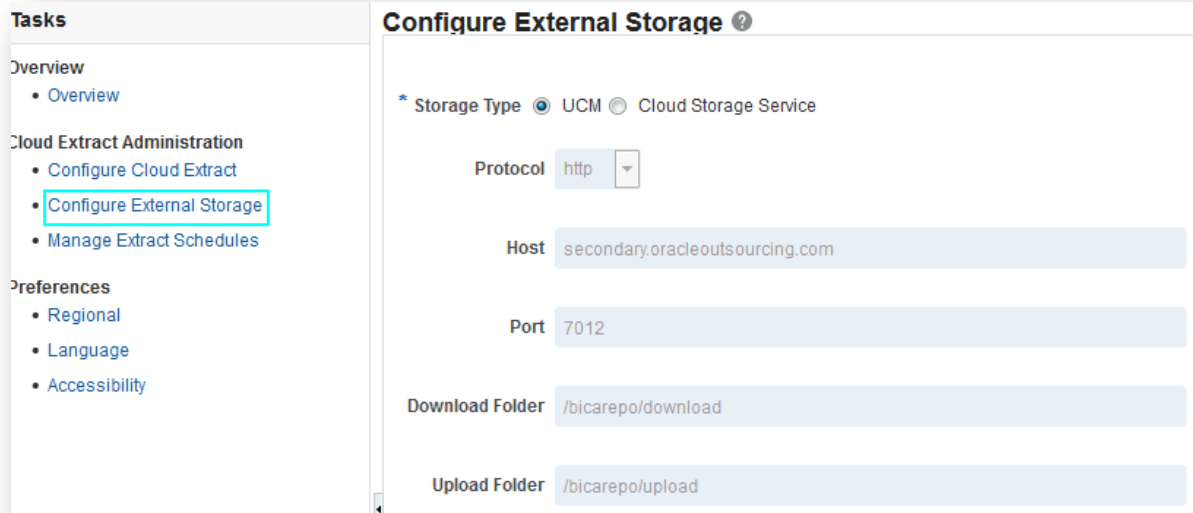
Last Extract Date has been reset to Null, so this will be full extract in next schedule

Last Extract Date

Enabled for Extract

STEP 2: CONFIGURE EXTERNAL STORAGE

In this step, you choose a destination for your cloud extract files. This can be either a UCM server or an Oracle Cloud Storage service. The UCM server is preconfigured as default and is ready for use.



Tasks

- Overview
 - Overview
- Cloud Extract Administration
 - Configure Cloud Extract
 - Configure External Storage**
 - Manage Extract Schedules
- Preferences
 - Regional
 - Language
 - Accessibility

Configure External Storage ?

* Storage Type ☒ UCM ☐ Cloud Storage Service

Protocol

Host

Port

Download Folder

Upload Folder

STEP 3: MANAGE EXTRACT SCHEDULE

In this final step, you create a schedule to extract the data from the data stores that you selected in Step 1. The files will be placed to the destination that you specified in Step 2.

You can select either a Cloud Data Extract or a Deleted Record Extract job.

The Cloud Data Extract Job Type

A Cloud Data Extract is a normal data extract. You will get a full or an incremental extract, based on whether or not you reset the Last Extract Date in Step 1. This extract will contain records that were updated since the “Last Extract Date” (or all records if you have reset to full extract). The extracted data files will typically contain all columns from the source objects.

You must have the ESS Administrator role to schedule an extract. If you do not have this role, you will need to:

1. Create a custom role.
2. Map the BI Admin role to the custom role
3. Map the ESS Administrator role to the custom role
4. Grant the custom role to any user that needs to perform this task.

This screenshot shows the names of the roles that need to be mapped to the custom role.

obi	
BI Administrator Role	
ESSAPP	
ESS Administrator Role	ESS infra admin role, has full privilege for performing any operations including security related.
ESS Audit Admin Role	ESS audit administrator role, can perform audit configuratoin and administration.
ESS Audit Viewer Role	ESS audit viewer role, can view audit records.

The Deleted Record Extract Job Type

Select the Deleted Record Extract job type to synchronize your target system with your source cloud application data stores for deletes. In this case, the data file will contain all records which are present in the source object in your cloud application, but only one column is included – the primary key column for that source object. You can then compare this data with your target system object and mark records in the target object as deleted if they are not found in the source system.

OPTY_DELETE_file_cmanalyticsam_opportunityam_opportunity-batch2110193550-20160929_094418.pecsv	
1	OPTYID
2	"100000000233657"
3	"100000000359309"
4	"300000000719415"
5	"300000000719420"
6	"3000000004280963"
7	"3000000004291967"
8	"3000000004291973"
9	"3000000004442992"
10	"3000000004443006"
11	"3000000004443071"

Tasks

- Overview
- Cloud Extract Administration
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Schedules

Schedules

Name

Opportunity & Revenue Extract
Opportunity & Revenue Extract Incre
Opportunity & Revenue Delete Extrac

Schedule Requests

Schedule

Job Type

Name

Description

Execution

Recurrence

Schedules

Actions View + ✖ 🔗

Detach

Name	Recurrence	Submitter	JobType
Opportunity & Revenue Extract	SIMPLE		Cloud Data Extract
Opportunity & Revenue Extract Incremental	SIMPLE		Cloud Data Extract
Opportunity & Revenue Delete Extract	SIMPLE		Deleted Record Extract

Schedule Requests

View ✖ 🔗

Detach

Name	ScheduleTime	ExecutionMode	RequestId	State
Opportunity & Revenue Extract	09-29-2016 12:41 AM	NONE	98356	SUCCEEDED

FINDING AND MANUALLY DOWNLOADING THE EXTRACT DATA FILES IN UCM

The extracted files in UCM are sorted by date and use a naming convention that matches the name of the data store, with underscores instead of periods. For example:

Data Store Name: CrmAnalyticsAM.OpportunityAM.Opportunity

File Name: file_[crmanalyticsam_opportunityam_opportunity](#)-batch2110193550-20160929_094418.zip

You can use UCM file extraction utilities to integrate these files with your downstream applications.

The screenshot shows the Oracle WebCenter Content interface. On the left is a navigation menu with items: My Content Server, Browse Content, Search, Content Management, and Administration. The main area is titled 'Search: Expanded Form' and contains a large search input field. Below this is a 'Metadata Search' section with two search criteria: 'Content ID Starts' and 'Title Substring'. The 'Title Substring' criterion is highlighted with a red box and has the value 'manalyticsam_opportunityam' entered in its text field.

Search Results Found 10 items					
Search Form --> Search Results					
<div> <div>Select</div> <div>Actions</div> </div>					
Select	ID	Title	Date	Author	Actions
<input type="checkbox"/>	UCMFA008935	file_crmanalyticsam_opportunityam_revenue-batch2110193550-20160929_094419.zip	9/29/16	FUSION_APPS_	
<input type="checkbox"/>	UCMFA008932	file_crmanalyticsam_opportunityam_opportunity-batch2110193550-20160929_094418.zip	9/29/16	FUSION_APPS_	
<input type="checkbox"/>	UCMFA008892	file_crmanalyticsam_opportunityam_opportunity-batch1265525814-20160929_091423.zip	9/29/16	FUSION_APPS_	
<input type="checkbox"/>	UCMFA008881	file_crmanalyticsam_opportunityam_revenue-batch1265525814-20160929_091426.zip	9/29/16	FUSION_APPS_	

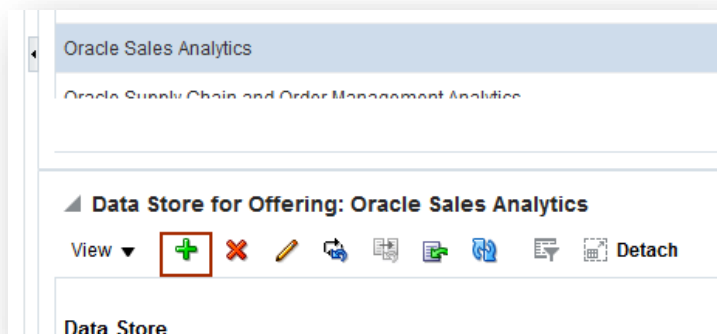
Content ID:	UCMFA008935
Revision:	1
Type:	Document - Any generic document
Title:	file_crmanalyticsam_opportunityam_revenue-batch2110193550-20160929_094419.zip
Author:	FUSION_APPS_OBIA_BIEE_APPID
Comments:	
Profile:	
Partner Program:	
Partner Level:	
Partner Type:	
Folder:	
Hidden:	False
Read Only:	False
Inhibit Propagation:	False
Force Folder Security:	False
Image Rendition Set:	
Video Rendition Set:	
Page ID:	
Tags:	
Workflow Assignment:	
Workflow Approval User List:	
Fusion Applications Virus Scan Date:	98#x2F;29/16 9:44 AM
Security Group:	OBIAImport
Account:	
Checked Out By:	
Status:	Released
Formats:	application/zip

Web Location:	https://casf-test.fs.us1.oraclecloud.com:443/cs/groups/obaiimport/documents/document/bwzh/mda4/~edisp/ucmfa008935.zip
Native File:	file_crmanalyticsam_opportunityam_revenue-batch2110193550-20160929_094419.zip

Revision	Release Date	Expiration Date	Status	Actions
[1]	9/29/16 9:44 AM	None	Released	Delete

ADDING A NEW VIEW OBJECT (VO)/DATA STORE FOR EXTRACTION IN BICCC

1. Navigate to BICCC > Configure Cloud Extract.
2. Click the offering under which you want to add a new VO for extraction.



3. Add the VO name and click Next.

Define Data Store

Datastore details Select Columns Back Next

* Data Store Key

Enabled ☒

Disable Effective date filter ☐

Query Filter

- Select or deselect columns, depending on your requirement, and save the selections.

Define Data Store

Datastore details Select Columns Back Next

View ▼ Format ▼ Column Filter All Columns ▼ Column Name Clear Freeze Detach Wrap

ColName	Data Type	Size	Used in Select list
LastUpdatedBy	VARCHAR	32	<input checked="" type="checkbox"/>
RecordName	VARCHAR	80	<input checked="" type="checkbox"/>
LastUpdateLogin	VARCHAR	32	<input checked="" type="checkbox"/>
Meaning_c	VARCHAR	80	<input checked="" type="checkbox"/>

GENERATING COLUMN MAPPING BETWEEN UI AND BICCC EXTRACT FILES

To get the user interface (UI) labels or column definitions:

- Navigate to BICCC > Configure Cloud Extract and copy the name of the VO for which the mapping list needs to be generated.

Oracle Sales Analytics

Oracle Supply Chain and Order Management Analytics

Data Store for Offering: Oracle Sales Analytics

View + ✕ ✎ 🔄 📄 📁 📧 Detach

CrmAnalyticsAM.OpportunityAM.Opportunity

Data Store

CrmAnalyticsAM.OpportunityAM.Opportunity

- Click the Export Columns icon on the tool bar and select the required option.

- a. Metadata Definition – for attribute properties like data type and precision used in the back end database
- b. UI Label – For UI labels used in the application

Data Store for Offering: Oracle Sales Analytics					
View	+	×	✎	🔍	🔗
Export Columns					Detach
Data Store	Supports Incremental	Effective Date Disabled	Last Extract Date	Enabled for Extract	
CrmAnalyticsAM.ActivitiesAM.Activity	✓	<input type="checkbox"/>	10/19/17 8:27 PM	<input type="checkbox"/>	

Export Columns

Export Columns

☒ Metadata Definition
 ☐ UI Label

OK

Cancel

TableName	ResourceName	TableAlias	TabDescription	TableType	ColName	ColHeading	ColDescription	ColDatatype	ColPos	ColSize	ColPrecision
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityAccountid	ActivityAccountid	NUMERIC		8	18	0	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityCreatedBy	ActivityCreatedBy	VARCHAR		64	64	-127	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityCreationDate	ActivityCreationDate	TIMESTAMP		0	0	-127	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityEndDate	ActivityEndDate	TIMESTAMP		0	0	-127	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityFunctionCode	ActivityFunctionCode	VARCHAR		30	30	-127	N
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityId	ActivityId	NUMERIC		8	18	0	N
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityLastUpdateLogin	ActivityLastUpdateLogin	VARCHAR		32	32	-127	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityNumber	ActivityNumber	VARCHAR		30	30	-127	N
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityPartialDescription	ActivityPartialDescription	VARCHAR		4000	4000	-127	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityStartDate	ActivityStartDate	TIMESTAMP		0	0	-127	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityTypeCode	ActivityTypeCode	VARCHAR		30	30	-127	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityUpdateDate	ActivityUpdateDate	TIMESTAMP		0	0	-127	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityUpdatedBy	ActivityUpdatedBy	VARCHAR		64	64	-127	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityAllDayFlag	ActivityAllDayFlag	VARCHAR		1	1	-127	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityAssessmentId	ActivityAssessmentId	NUMERIC		8	18	0	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityAutologSource	ActivityAutologSource	VARCHAR		30	30	-127	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityBusOrgId	ActivityBusOrgId	NUMERIC		8	18	0	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityCampaignId	ActivityCampaignId	NUMERIC		8	18	0	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityCorpCurrencyCode	ActivityCorpCurrencyCode	VARCHAR		15	15	-127	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityRecordCreatedBy	ActivityRecordCreatedBy	VARCHAR		64	64	-127	N
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityRecordCreationDate	ActivityRecordCreationDate	TIMESTAMP		0	0	-127	N
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityCurcyConvRateType	ActivityCurcyConvRateType	VARCHAR		30	30	-127	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityCurrencyCode	ActivityCurrencyCode	VARCHAR		15	15	-127	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityCustomerAccountid	ActivityCustomerAccountid	NUMERIC		8	18	0	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityDirectionCode	ActivityDirectionCode	VARCHAR		30	30	-127	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityDueDate	ActivityDueDate	DATE		0	0	-127	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityDuration	ActivityDuration	NUMERIC		8	0	-127	Y
CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	CrmAnalyticsAM.ActivitiesAM.Activity	T	ActivityRecordLastUpdateDate	ActivityRecordLastUpdateDate	TIMESTAMP		0	0	-127	N

Note: Custom Dynamic Choice Lists will not appear in the list. You have to generate a customization report for the environment to get that information.

3. If you need to generate the VO list for a standard or a custom object, or VO names from a standard (prebuilt) subject area:
 - a. For a custom object, first create a Custom Subject Area (CSA) for the custom object and publish it.
 - b. Go to Analytics and navigate to the corresponding subject area; query a few attributes from the object.

- c. Navigate to Administration > Manage Sessions and view the log file to copy the VO name.

```
<ADFQuery mode="SQLBypass" queryid="1427186960-1903931790" locale="en">
  <Parameters>
    <Parameter><Name><![CDATA[AOL_LANGUAGE]]></Name><Value><![CDATA[en]]></Value></Parameter>
    <Parameter><Name><![CDATA[OTBI_CDS_ENABLED]]></Name><Value><![CDATA[false]]></Value></Parameter>
  </Parameters>
  <Projection>
    <Attribute><Name><![CDATA[LookupCode_c]]></Name><ViewObject><![CDATA[CrmAnalyticsAM.ExtensibilityAM.BILookupSource_c]]></ViewObject></Attribute>
    <Attribute><Name><![CDATA[LookupType_c]]></Name><ViewObject><![CDATA[CrmAnalyticsAM.ExtensibilityAM.BILookupSource_c]]></ViewObject></Attribute>
    <Attribute><Name><![CDATA[Meaning_c]]></Name><ViewObject><![CDATA[CrmAnalyticsAM.ExtensibilityAM.BILookupSource_c]]></ViewObject></Attribute>
  </Projection>
  <JoinSpec>
    <ViewObject>
      <Name><![CDATA[CrmAnalyticsAM.ExtensibilityAM.BILookupSource_c]]></Name>
    </ViewObject>
  </JoinSpec>
</ADFQuery>
```

- d. Then use the copied VO name to add as a custom data store and follow the instructions in Steps 1 and 2, in this section.

QUICK REFERENCES TO RELATED DOCUMENTATION AND KEY NOTES

The [Creating a Business Intelligence Cloud Extract](#) guide, including this topic:

- BI Cloud Connector Console Overview Page

The [Oracle Business Intelligence Applications Installation Guide](#), including these topics:

- Synchronizing Deletes for a Cloud Extract
- Extracting Data into Universal Content Management using BI Cloud Connector Console
- Setting Up Fusion Applications Cloud Data Sources