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Introducing OTBI Metadata Independent Mode

Oracle Business Intelligence Cloud Connector
Release 13.19C

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PURPOSE

This document provides an overview of BI Cloud Connector's OTBI Metadata Independent Extract Mode feature included in Oracle Applications Cloud Release 13.19C. It is intended solely to help you assess the benefits of using this extract mode when upgrading to 13.19C and to plan your I.T. integration projects.

DISCLAIMER

EXECUTIVE SUMMARY

The Oracle Business Intelligence Cloud Connector (BICC) is used to bulk extract data from Business Intelligence View Objects (BIVOs), referred to as Data Stores in the BICC, in Oracle Applications Cloud (Customer Experience, Enterprise Resource Planning, Human Capital Management, and Supply Chain Management). The data can be extracted to either Universal Content Management (UCM) or Oracle Storage Cloud. BICC, which is a metadata-driven platform, depends on the existence of BI View Objects (BIVOs) in the OTBI metadata repository (RPD).

WHAT IS CHANGING?

Starting in Release 13.19C, BICC will no longer be dependent on the OTBI metadata repository, and the extract mode by default will use the OTBI metadata independent mode. Data Stores (or BIVOs) can be extracted independent of OTBI Metadata (RPD). The new BIVOs introduced in future releases of Oracle Applications Cloud will use OTBI metadata independent mode. The new mode eliminates the dependency on the existence of a BIVO in the OTBI metadata.

OPT IN TO USE THE OTBI METADATA INDEPENDENT MODE

New Implementations of BICC in 19C

Uptake the new Manage Job and Job Schedules feature

By default, all Data Stores (BIVOs) are in OTBI Independent Mode (OTBI Metadata dependent option is unchecked).

Note: The mode for all BIVOs in a job can be managed either at the Job or the BIVO level using the Manage Jobs Console in BICC. All BIVOs default to OTBI Independent Mode when using the Manage Jobs feature. It is recommended to use the Manage Jobs functionality instead of using the Manage Offering and Data Stores option to manage the extract mode of the BIVOs.

Existing BICC Implementations Updating to 19C

BIVOs delivered prior to 19C retain their configuration as OTBI metadata dependent mode. Before Release **20C**, you must switch these BIVOs to use the OTBI metadata independent mode and test and validate your integration using the new mode.

How do I test BICC extracts in OTBI metadata independent mode in 19C?

Create a job definition using Manage Job and Job Schedules.

Switch BIVOs to use OTBI metadata independent mode. Refer to this list of BIVOs that can be opted in to use the OTBI metadata independent mode.

Create the Job Schedule

Review the extract files that are created using the new mode. The Manifest, Primary Key, and Extract Status file names will include the Job ID as well as the ESS Request ID as shown below. This is to ensure the extract files created in the new mode do not overwrite files created using OTBI dependent mode.

Data extract

MANIFEST_DATA_<JOB_ID>-<ESS_REQUEST_ID>-<TIMESTAMP>.MF

EXTRACT_STATUS_DATA_<JOB_ID>-<ESS_REQUEST_ID>-<TIMESTAMP>.JSON

Primary Key extract

MANIFEST_KEYS_<JOB_ID>-<ESS_REQUEST_ID>-<TIMESTAMP>.MF

EXTRACT_STATUS_KEYS_<JOB_ID>-<ESS_REQUEST_ID>-<TIMESTAMP>

Compare extract results between the two modes.

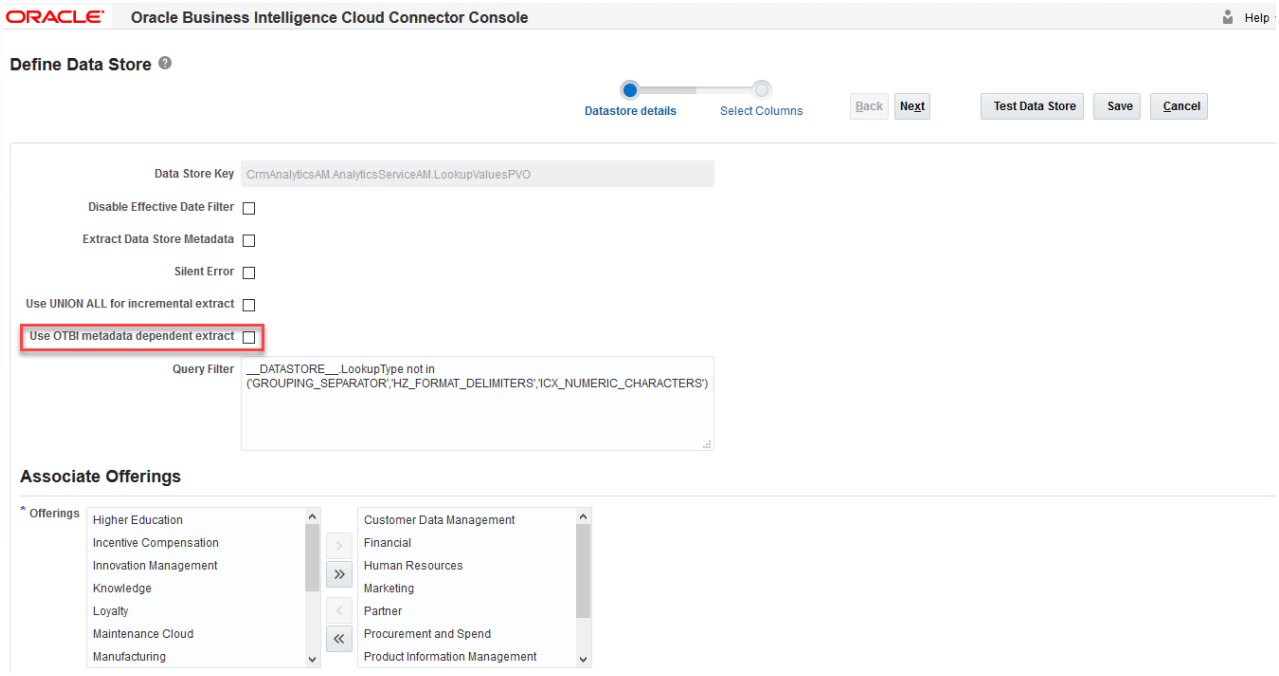
What changes should I expect in the new mode?

When performing BICC extracts in the new mode, you may notice the following changes in the extracted data:

- Date fields include or exclude the time component.
    - **Action**: Review the time component returned in the date fields to ensure it doesn't conflict with your downstream application where date fields are used.
- Certain numeric fields that are defined as Not Null will return zero instead of nulls.
    - **Action**: Update your downstream application to accept zeros instead of nulls for these numeric fields.

How to uptake the OTBI metadata independent mode in 13.19C using Global Extracts?

1. Start the BICC Console
2. Select a Data Store
3. Edit the Data Store
4. Uncheck - Use OTBI metadata dependent extract and click Save.



What are my next steps?

You should switch to the new extract mode if the test results don't show prohibitive discrepancies. If you encounter any issues using the new extract mode, please raise a support ticket using My Oracle Support.

CONCLUSION

Future Product Strategy

The OTBI metadata (RPD) dependent mode is going to be deprecated in Release 20C. Oracle Development strongly recommends that you switch your BICC extracts to use OTBI metadata independent mode by 20C.

If you have further questions, please contact Oracle Support.

APPENDIX A: DATA STORES THAT SUPPORT OTBI INDEPENDENT MODE

The following file contains a list of data stores (BI View Objects) that support OTBI independent mode.

Rel13_19C_BICC_BI
VO_OTBI_independe

APPENDIX B: NUMERIC FIELDS DEFINED AS NOT NULL, WHICH WILL RETURN ZERO INSTEAD OF NULL

The following file contains a list of numeric fields defined as Not Null, which will return zero instead of null in OTBI independent mode.

Rel13_19C_BICC_Nu
meric_Zero_Null.pdf

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Integrated Cloud Applications & Platform Services

White Paper **Introducing OTBI Metadata Independent Mode**
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