

OTBI Enterprise for HCM Cloud Service Architecture

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Objective

- After completing this lesson, you should be able to identify and describe the OTBI Enterprise for HCM Cloud Service architecture and its key components.

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The goal of this training is to enable implementers to configure and deploy Oracle® Transactional Business Intelligence Enterprise for Human Capital Management Cloud Service. An implementer is responsible for performing the initial setup and configuration of Oracle® Transactional Business Intelligence Enterprise for Human Capital Management Cloud Service. This may be done by the customer or by an implementation partner.

OTBI Enterprise for HCM Cloud Service Architecture Components

- Source system
- Oracle Business Intelligence Enterprise Edition
- Oracle Business Analytics Warehouse
- Oracle BI Applications Configuration Manager
- Functional Setup Manager
- Oracle Data Integrator
- Repositories

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Each component is discussed in detail in the slides that follow.

Source Systems

- Source systems are online transactional processing (OLTP) databases that hold the source data that is loaded into the Oracle Business Analytics Warehouse (OBAW) via extract, transform, and load (ETL) processing.
- Source system for OTBI Enterprise for HCM Cloud Service is Oracle Fusion HCM Cloud

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The data extracted from Fusion HCM Cloud becomes the underlying data for your OTBI Enterprise for HCM Cloud Service analyses and dashboards.

Oracle Business Intelligence Enterprise Edition

- Oracle Business Intelligence Enterprise Edition (Oracle BI EE) is a business intelligence platform that is used to access and present data in easy-to-understand formats, such as tables and graphs.
- OTBI Enterprise for HCM Cloud Service is built on the Oracle BI EE platform to deliver targeted information about your organization's data with dashboards and reports.

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Oracle Business Analytics Warehouse

- The Oracle Business Analytics Warehouse (OBAW) is a prebuilt data warehouse data model that is designed to support the analysis requirements of OTBI Enterprise for HCM Cloud Service. It includes:
 - A universal data warehouse design that enables you to integrate data from different source systems
 - Multiple instance support that enables you to use one data warehouse deployment for multiple source system instances
 - Conformed dimensions that enables you to view the data from different subject areas
- Please note that not all OBAW features are supported in the OTBI Enterprise for the HCM Cloud Service 11.1.1.8.1 release.

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The Oracle Business Analytics Warehouse is a modular enterprise-wide data warehouse data model with conformed dimensions for data integrated from multiple sources. Oracle Business Analytics Warehouse provides code standardization, stores transaction data in the most granular fashion, and tracks historical changes. It also supports multiple currencies and languages.

The Oracle Business Analytics Warehouse is supported only on an Oracle database.

Configuration Manager

- Configuration Manager is a web application that you use to set up and maintain an OTBI Enterprise for HCM Cloud Service environment. You use Configuration Manager to:
 - Configure offerings, which are the products you have purchased (Oracle Human Resources Analytics)
 - Configure functional areas, which are the component parts of the offering (Workforce Deployment)
 - Monitor and manage OTBI Enterprise for HCM Cloud Service setup data
 - Monitor and manage load plans, which you use to perform extract, transform, and load (ETL) processes
 - Migrate configuration data across environments using the import and export options

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Configuration Manager contains the setup objects for OTBI Enterprise for HCM Cloud Service. It provides administrative graphical user interfaces for setup and configuration. It is the recommended product for on-going administration and maintenance of functional setup within OTBI Enterprise for HCM Cloud Service.

It also provides a quick review of OTBI Enterprise for HCM Cloud Service setup values, and is the recommended tool for monitoring and troubleshooting load plan executions. Configuration Manager works in conjunction with Functional Setup Manager to provide guided tasks to configure OTBI Enterprise for HCM Cloud Service offerings and functional areas.

Functional Setup Manager

- Functional Setup Manager is a web application that works in conjunction with Configuration Manager to enable you to:
 - Manage and perform functional configuration tasks for offerings
 - Deploy an offering and its functional areas
 - Manage a list of configuration tasks, which you can assign to different functional developers
 - Monitor task implementation status

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Oracle Data Integrator

- OTBI Enterprise for HCM Cloud Service uses Oracle Data Integrator (ODI) as its data integration platform.
- ODI is a comprehensive, unified ETL tool for building, deploying, and managing complex data warehouses.
- ODI performs high-volume, high-performance batch and real-time loads, as well as data validation.
- In an OTBI Enterprise for HCM Cloud Service environment, ODI works in conjunction with Configuration Manager, which provides:
 - A user interface for managing load plans
 - Access to ODI Console, a web application that enables you to view objects in the ODI repository, and control and monitor ETL processes

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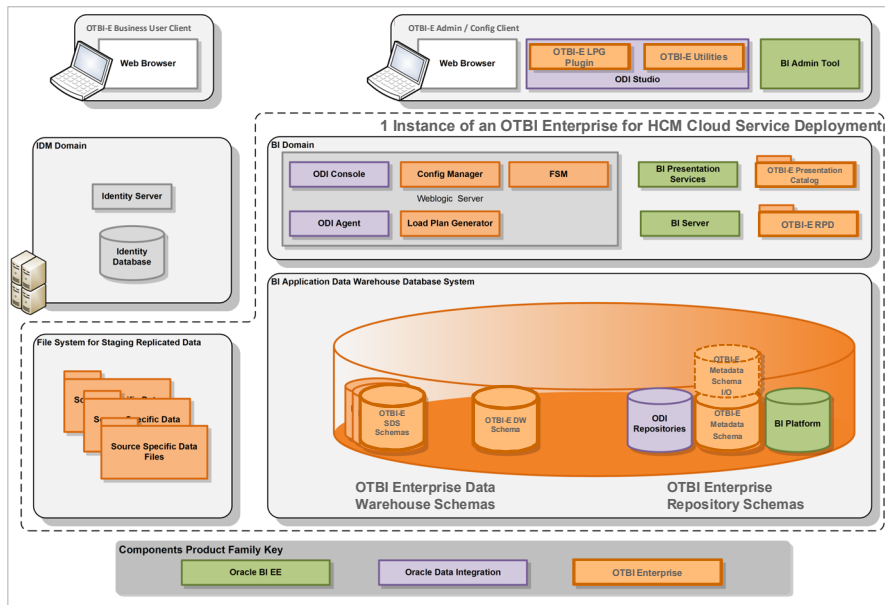
Repositories

- OTBI Enterprise for HCM Cloud Service ODI repository
 - Contains the prebuilt ETL logic for OTBI Enterprise for HCM Cloud Service
- Components repository
 - Repository for Configuration Manager and Functional Setup Manager
 - Contains load plan definitions, product hierarchy, setup objects, such as parameters and domain mappings, and a list of functional tasks

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Architecture Diagram



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Summary

- In this lesson, you should have learned how to identify and describe the OTBI Enterprise for HCM Cloud Service architecture and its key components.

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