



This guide explains how to get started with Oracle Business Intelligence system administration. It describes system administration tasks, the Oracle Business Intelligence system logical architecture, and system administration tools.

For more detailed information about these and other tasks, see the [Oracle BI EE documentation](#) on Oracle Technology Network.



Understanding Oracle Business Intelligence System Administration Tasks

Administering an Oracle Business Intelligence system involves the following tasks:

- Configuring a system for deployment after installation
- Starting and stopping the system when required
- Configuring security
- Scaling out and configuring for high availability
- Managing performance and availability
- Managing and resolving issues
- Moving a system from test to production
- Backing up and recovering data



Understanding Oracle Business Intelligence System Logical Architecture

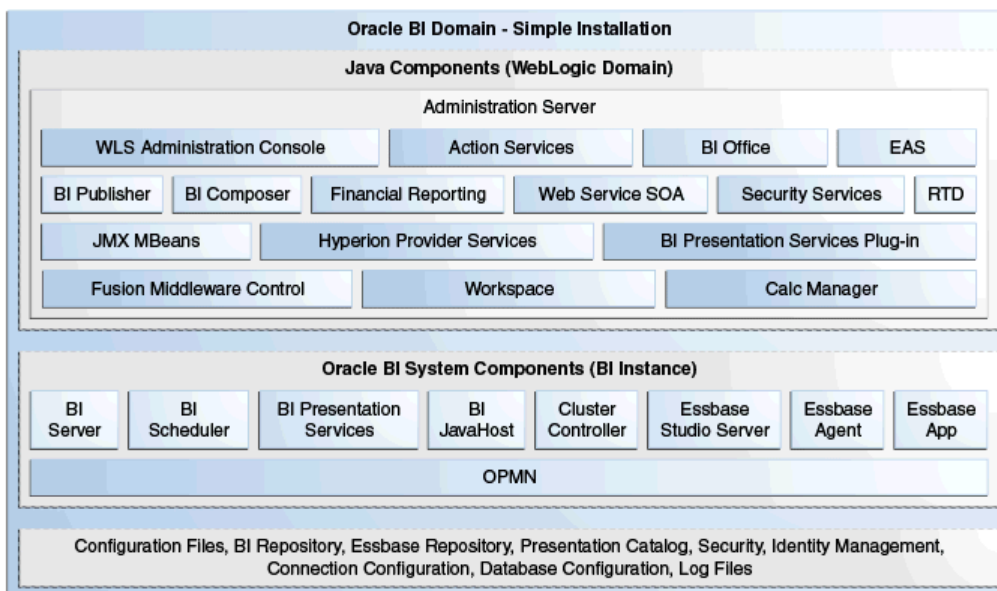
Oracle Business Intelligence system logical architecture comprises a single set of manageable components called the Oracle BI Domain.

You can install and configure these components to work together on a single host or you can cluster them across multiple hosts for performance and availability. The architecture differs slightly depending on whether you install Oracle Business Intelligence using a Simple Install type or an Enterprise Install type.

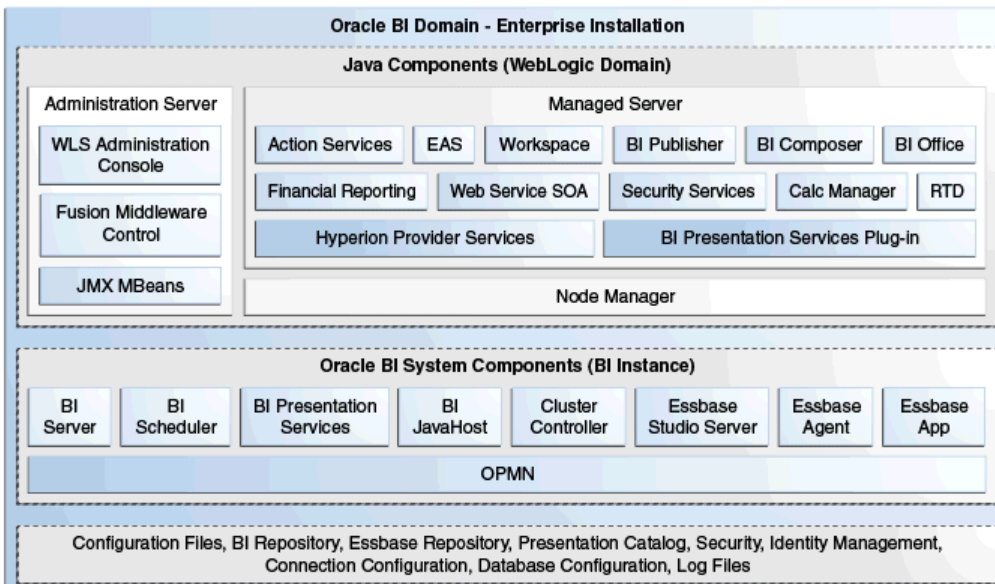
The following illustrations show the system logical architecture on:

- A single host for a Simple Install type
- A single host for an Enterprise Install type
- Two hosts for an Enterprise Install type

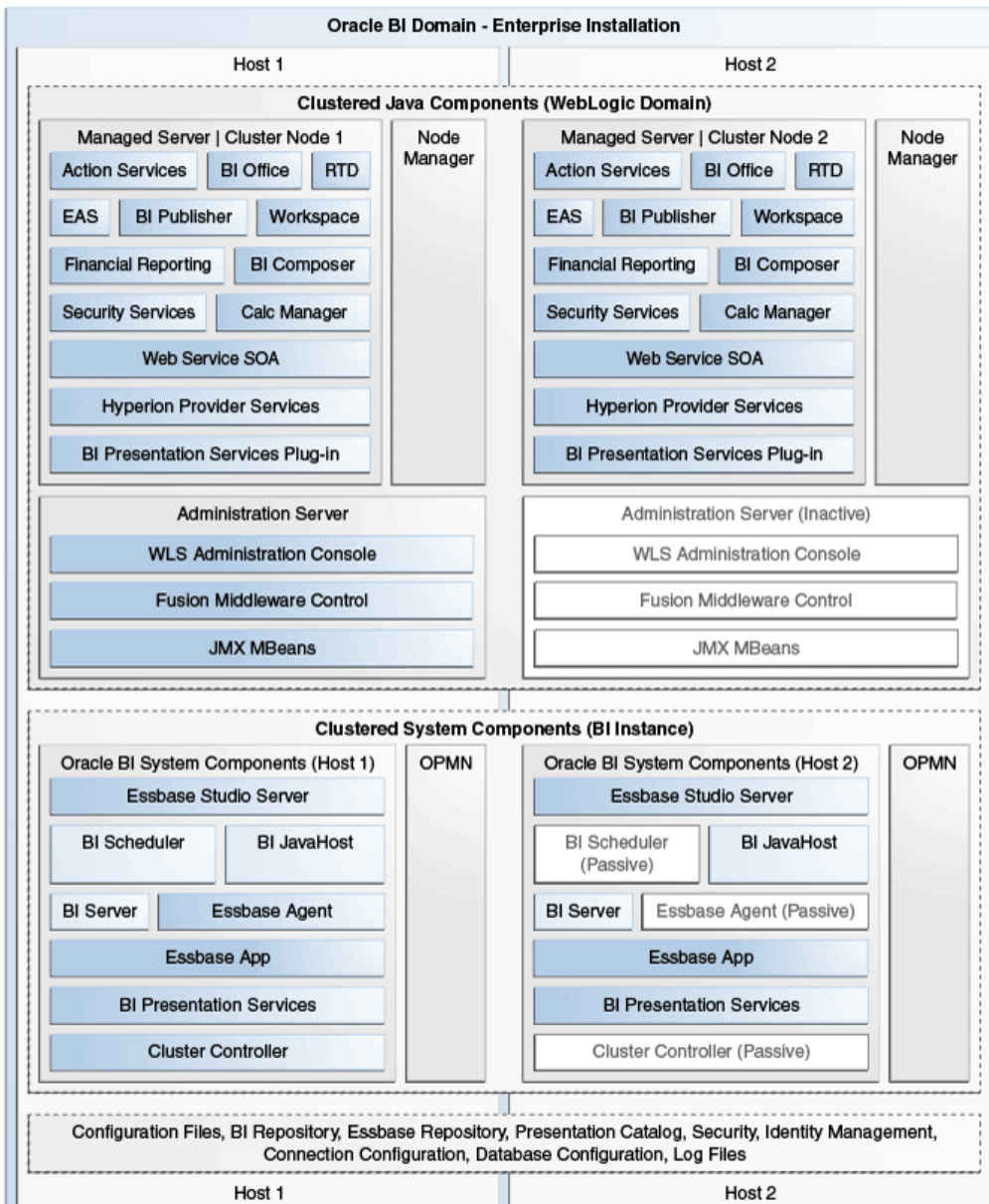
System Logical Architecture on a Single Host for a Simple Install Type



System Logical Architecture on a Single Host for an Enterprise Install Type

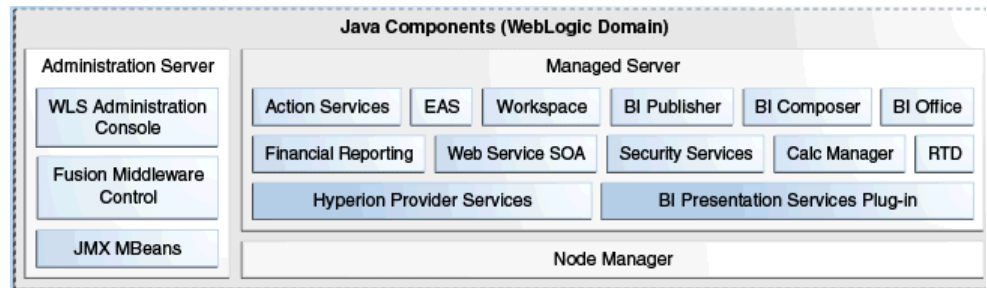


System Logical Architecture on Two Hosts for an Enterprise Install Type



Understanding Java Components

Java components are deployed as one or more Java EE applications. They are described in the following table.

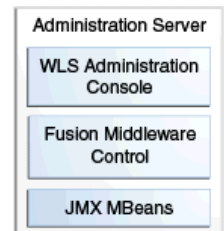


Java Component	Description
Administrative Components	Consists of Oracle WebLogic Server Administration Console, Fusion Middleware Control, and JMX MBeans components for managing all configuration and runtime settings for Oracle Business Intelligence.
Oracle BI Publisher	Provides an enterprise reporting solution for authoring, managing, and delivering all types of highly formatted documents to employees, customers, and suppliers.
Oracle BI for Microsoft Office	Provides the integration between Oracle Business Intelligence and Microsoft Office products.
Oracle BI Action Services	Provides the dedicated web services that: <ul style="list-style-type: none"> Are required by the Action Framework Enable an administrator to manually configure which web service directories can be browsed by users when they create actions
Oracle BI Composer	Provides a simple-to-use wizard that enables you to quickly and easily create, edit, or view analyses without using the additional functionality available in the Analysis editor.
Oracle Real-Time Decisions (Oracle RTD)	Provides enterprise analytics software solutions that enable companies to make better decisions in real time at key, high-value points in operational business processes.
Oracle BI Security Services	Provides dedicated web services that enable the integration of the Oracle BI Server with the Oracle Fusion Middleware security platform.
Oracle BI SOA Services	Provides dedicated web services for objects in the Oracle BI Presentation Catalog, to invoke analyses, agents, and conditions. These services make it easy to invoke Oracle Business Intelligence functionality from Business Process Execution Language (BPEL) processes.
Oracle BI Presentation Services Plug-in	Is a JEE application that routes HTTP and SOAP requests to Oracle BI Presentation Services.

Understanding the Administration Server

The Administration Server contains the administrative components that enable administration of a single or multinode (that is, distributed) BI domain, as described in the following list:

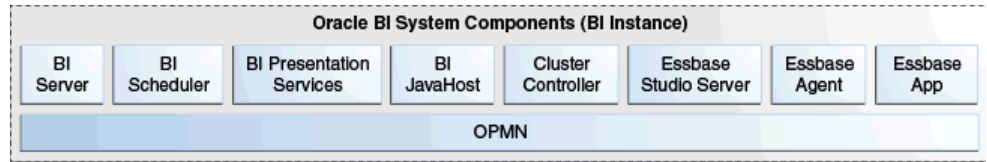
- For Enterprise and Simple Install types, the Administration Server contains the following components:
 - JMX MBeans** — Java components that provide programmatic access for managing a BI domain.
 - Fusion Middleware Control** — An administrative user interface for managing a BI domain.
 - WebLogic Server Administration Console** — An administrative user interface for managing a WebLogic Server domain, JEE components, and security.
- For Simple Install types, the Administration Server also contains the components that comprise the Managed Server in an Enterprise Install type, such as Action Services and Oracle BI Publisher.



Understanding System Components

System components are deployed as non-Java EE components, such as processes and services written in C++ and J2SE.

They are described in the following table.



System Component	Description
Oracle BI Server	Provides the query and data access capabilities at the heart of Oracle Business Intelligence and provides services for accessing and managing the enterprise semantic model (stored in a file with an <code>.RPD</code> extension).
Oracle BI Presentation Services	Provides the framework and interface for the presentation of BI data to web clients. It maintains an Oracle BI Presentation Catalog service on the file system for the customization of this presentation framework.
Oracle BI Scheduler	Provides extensible scheduling for analyses to be delivered to users at specified times.
Oracle BI JavaHost	Provides component services that enable Oracle BI Presentation Services to support various components such as Java tasks for Oracle BI Scheduler, Oracle BI Publisher, and graph generation. It also enables Oracle BI Server query access to Hyperion Financial Management and Oracle OLAP data sources.
Oracle BI Cluster Controller	Distributes requests to the BI Server, ensuring requests are evenly load-balanced across all BI Server process instances in the BI domain.

Understanding the System Administration Tools to Manage Oracle Business Intelligence

You use the following system administration tools to manage Oracle Business Intelligence:

Tool	Purpose
Fusion Middleware Control	Monitor, manage, and configure system components for Oracle Business Intelligence.
Oracle WebLogic Server Administration Console	Monitor and manage JEE Java components for Oracle Business Intelligence.
Oracle Process Manager and Notification Server (OPMN)	Manage system components for Oracle Business Intelligence (for advanced users).
Oracle WebLogic Scripting Tool (WLST)	Programmatically administer Oracle Business Intelligence (for advanced users).
Oracle BI Administration Tool	Manage the metadata repository for Oracle Business Intelligence.
Job Manager	Manage the Oracle BI Scheduler.

