



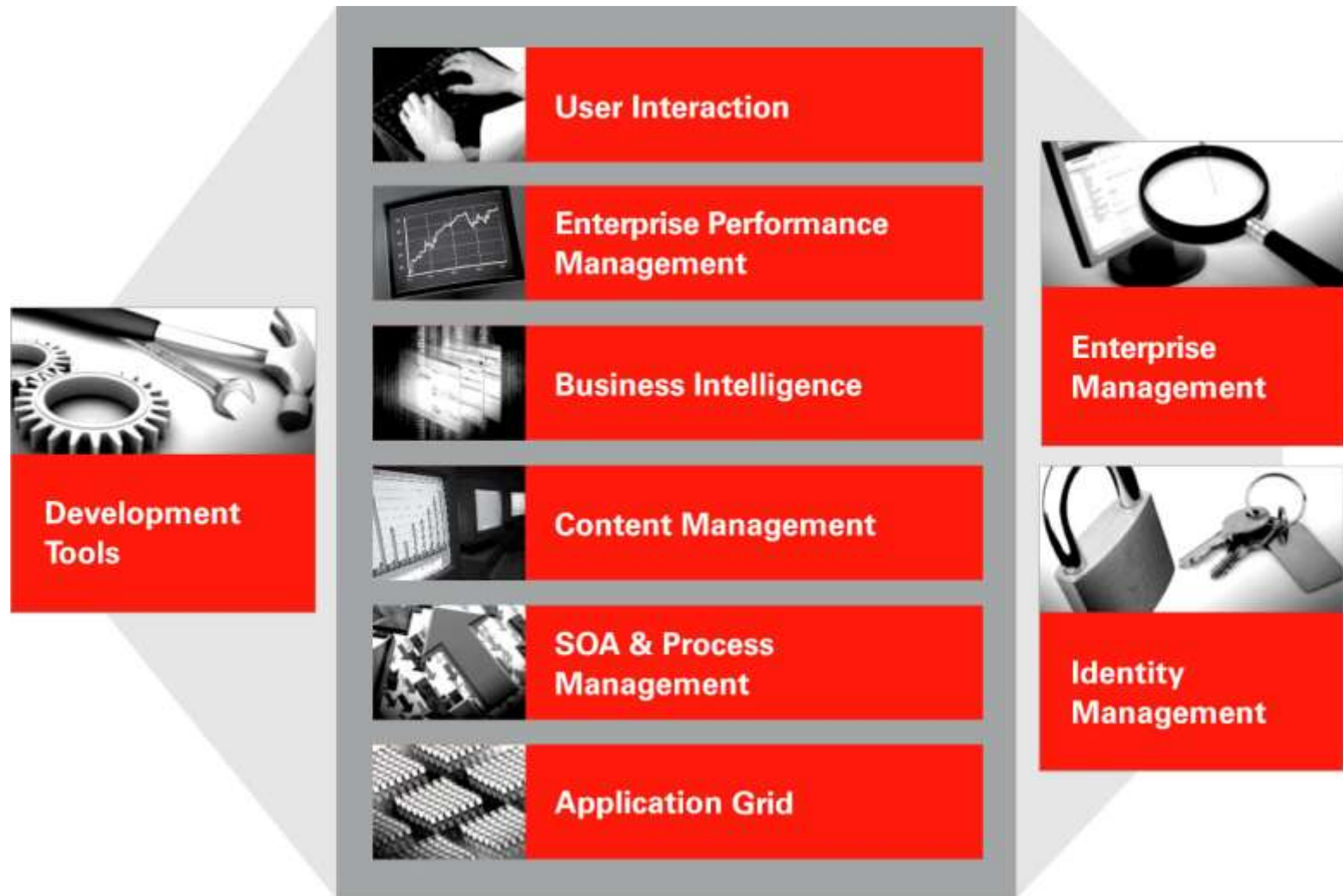
Introducing Oracle Fusion Middleware Platform

Objectives

After completing this lesson, you should be able to:

- Describe the Oracle Fusion Middleware environment
- Describe how WebLogic Server supports various Fusion Middleware Suites
- Describe how various Fusion Middleware Suites augment the functions of WebLogic Server

Oracle Fusion Middleware



Oracle SOA and Oracle Web Center Suites

- Oracle SOA Suite enables services to be created, managed, and orchestrated into SOA composite applications.
- Oracle WebCenter is designed to help integrate structured and unstructured content, and Web 2.0-style services into the applications.
- Both SOA and WebCenter run in the Oracle WLS environment.



Oracle Identity and Access Management

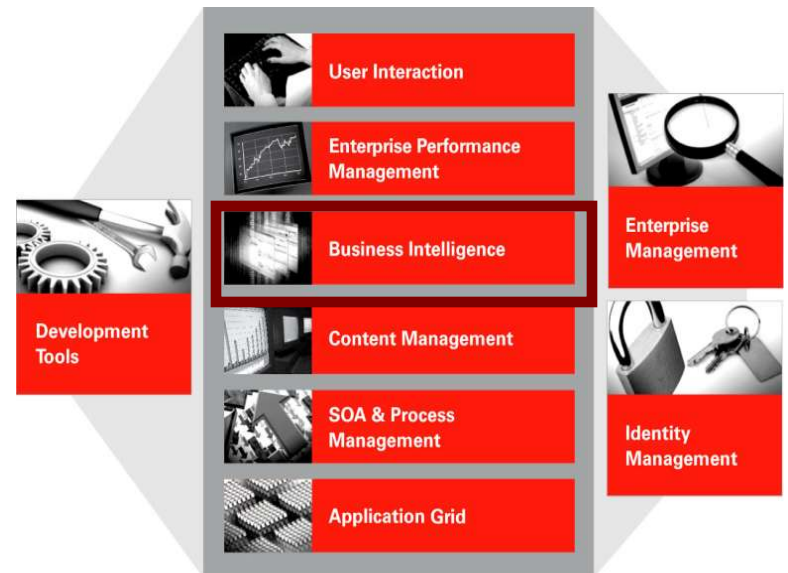
Oracle Identity and Access Management solution:

- Enables you to centralize identity and access management
- Requires a Java EE environment for operation
- Can be easily configured as the central system for use in WebLogic environment



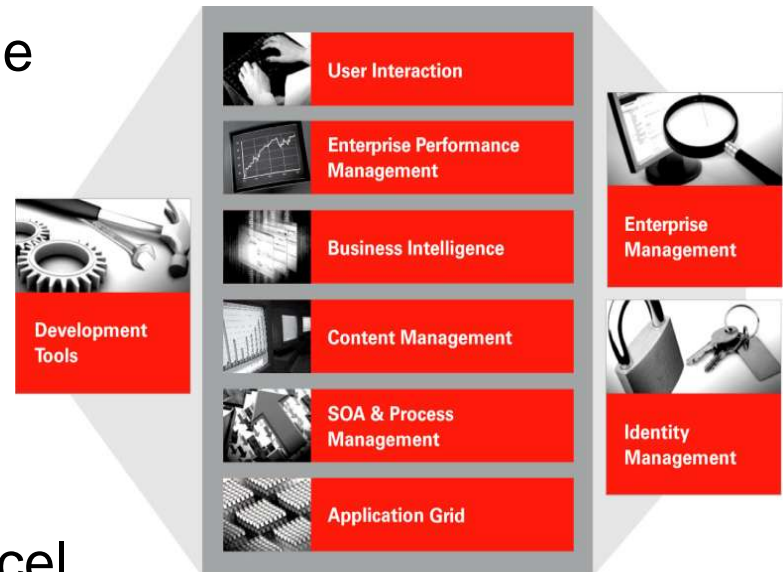
Oracle Business Intelligence

- Oracle Business Intelligence (BI) enables you to view and analyze data from data warehouses and datamarts.
- BI enables you to gather data from various sources and to extract, analyze, and report in appropriate formats.
- BI is easily integrated with Oracle Identity Management solutions such as SSO.
- BI can also be integrated with SOA.



Oracle Portal Forms Reports

- Portal:
 - Is a Web-based interface that uses wizards
 - Requires Oracle Database
 - Uses a Portal Developer Kit to extend via programming
- Forms:
 - Are created by using Oracle Forms by developers
 - Can be compiled into run-time services for deployment
 - Run as run-time services in a Java EE environment
- Reports:
 - Dynamically retrieve, format, and publish information in several formats
 - Are also available via MS Excel



Oracle Fusion Middleware Management Infrastructure

Oracle offers the following primary tools for managing your Oracle Fusion Middleware installations:

- Oracle WebLogic Server Administration Console
- Oracle Enterprise Manager Fusion Middleware Control
- Oracle Fusion Middleware command-line tools such as OPMNCTL, WSTL, and so on
- Fusion Middleware Control MBean browser
- Oracle Web Services Manager



Web Tier Components

The Web tier contains system components that are managed using Oracle Process Management Server.

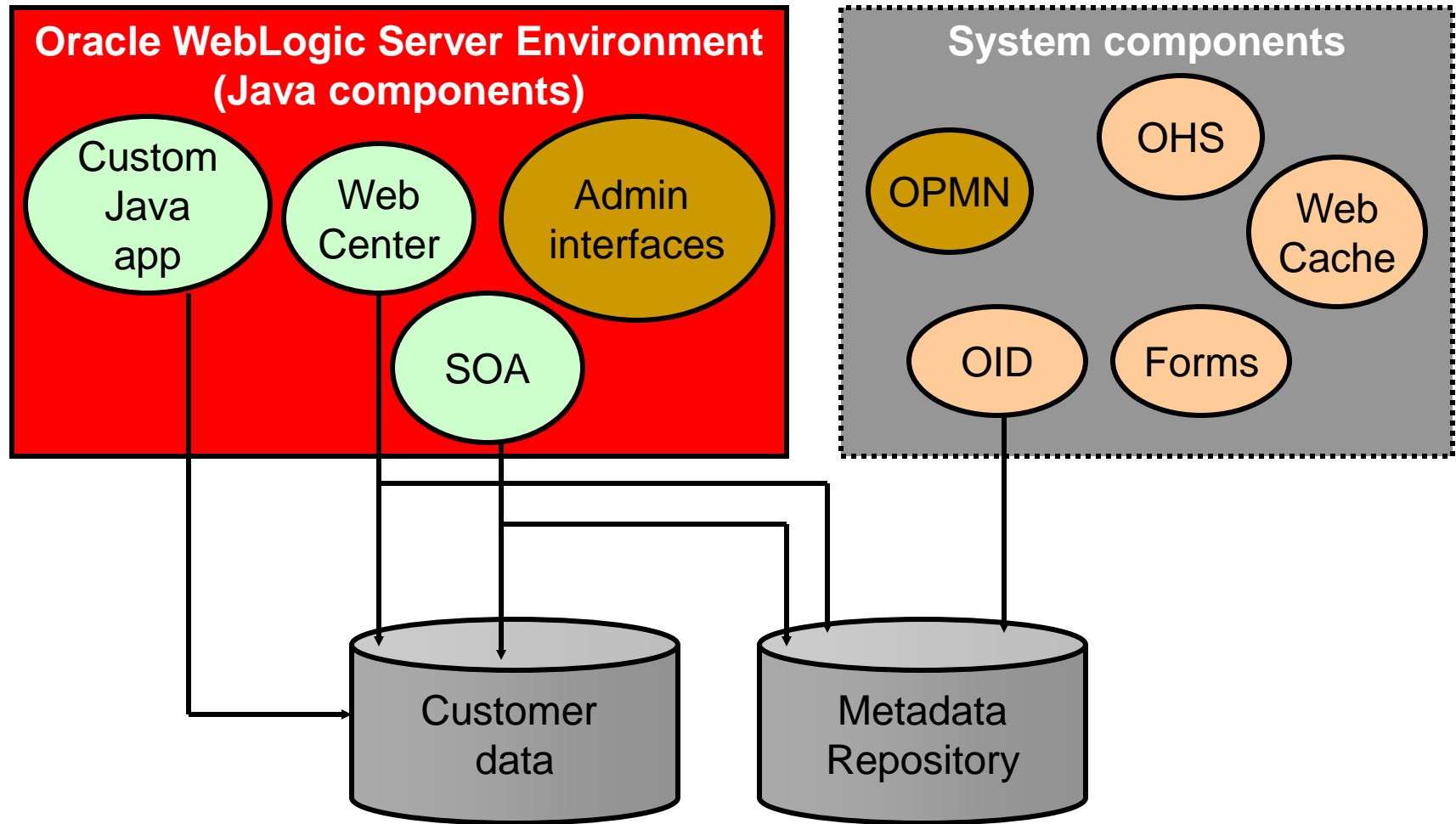
- Oracle HTTP Server:
 - Provides scalability and supports Web services functionality
 - Contains modules specific to Oracle FMW to support integration with other FMW components
 - Acts as a proxy server for Oracle WebLogic Servers
- Oracle Web Cache:
 - Runs in the Web tier and speeds up requests for applications being served by WebLogic Server



Relationship of Fusion Middleware Products to WebLogic Server

- Common installation/configuration steps:
 - Install Database (if needed).
 - Install Repository Creation Utility (if needed).
 - Install WebLogic Server.
 - Install Fusion Middleware Component (for example, OID).
 - Configure all software.
- Common operations:
 - The components run in a Java EE Container such as WebLogic Server.
- Common administration:
 - Enterprise Manager oversees all the products at a high level.
 - Each component has its own administration console for finer detail.

Typical Oracle Fusion Middleware Environment



Summary

In this lesson, you should have learned how to:

- Describe the Oracle Fusion Middleware environment
- Describe how WebLogic Server supports various Fusion Middleware Suites
- Describe how various Fusion Middleware Suites augment the functions of WebLogic Server

Practice 1 Overview: Logging In to the Lab Environment

This practice covers the following topics:

- IP address assignments
- User IDs and passwords
- NoMachine configuration