

ORACLE WEBLOGIC SERVER FOR ORACLE CLOUD INFRASTRUCTURE

KEY FEATURES AND BENEFITS

ORACLE WEBLOGIC SERVER ENTERPRISE EDITION FOR ORACLE CLOUD INFRASTRUCTURE (UCM)

- Universal Credits billing model
- Priced based on OCPU Hours consumed by configuration
- Full Java EE support
- Clustering for performance, scalability, availability
- Oracle WebLogic Server management tooling

ORACLE WEBLOGIC SUITE FOR ORACLE CLOUD INFRASTRUCTURE (UCM)

- Universal Credits billing model
- Priced based on OCPU Hours consumed by configuration
- Enterprise Edition features above, plus
- Active GridLink for RAC
- Oracle Coherence Enterprise Edition

ORACLE WEBLOGIC SERVER STANDARD EDITION FOR ORACLE CLOUD INFRASTRUCTURE (BYOL)

- Bring Your Own License model
- Oracle WebLogic Server Standard Edition license entitlements

ORACLE WEBLOGIC SERVER ENTERPRISE EDITION FOR ORACLE CLOUD INFRASTRUCTURE (BYOL)

- Bring Your Own License model
- Oracle WebLogic Server Enterprise Edition license entitlements

ORACLE WEBLOGIC SERVER STANDARD EDITION FOR ORACLE CLOUD INFRASTRUCTURE (BYOL)

- Bring Your Own License model
- Oracle WebLogic Suite license entitlements

Oracle WebLogic Server for Oracle Cloud Infrastructure is the preferred solution for developing and deploying Oracle WebLogic Server applications in Oracle Cloud. It supports rapid provisioning of Oracle WebLogic Server configurations on Oracle Cloud Infrastructure Virtual Machine (VM) and Bare Metal (BM) compute instances, and provides full compatibility with on-premises software. Oracle WebLogic Server for Oracle Cloud Infrastructure enables migration of existing applications, development of new applications, and deployment in the cloud for high performance, high availability, security and low cost of ownership.

Oracle WebLogic Server for Oracle Cloud Infrastructure is available via listings in the Oracle Cloud Marketplace, with multiple editions supporting both usage-based and license-based pricing models.

Editions using Oracle's Universal Credits (UCM) billing model are billed based on the number of OCPU Hours per month consumed by the configuration:

- *Oracle WebLogic Server Enterprise Edition for Oracle Cloud Infrastructure (UCM) enables development and deployment of Java EE applications using Oracle WebLogic Server features such as clustering, integration with external databases, and management through the Administration console, WebLogic Scripting Tool (WLST), and REST Management APIs.*
- *Oracle WebLogic Server Suite for Oracle Cloud Infrastructure (UCM) includes all of the above, plus Active GridLink for RAC for optimized integration with Oracle Database Real Application (RAC) Clusters and Oracle Coherence Enterprise Edition.*

Editions using a Bring Your Own License (BYOL) model are licensed via the applicable Oracle WebLogic Server license:

- *Oracle WebLogic Server Standard Edition for Oracle Cloud Infrastructure (BYOL)*
- *Oracle WebLogic Server Enterprise Edition for Oracle Cloud Infrastructure (BYOL)*
- *Oracle WebLogic Suite for Oracle Cloud Infrastructure (BYOL)*

Rapid Provisioning

Oracle WebLogic Server for Oracle Cloud Infrastructure configurations can be provisioned in minutes from an existing Oracle Cloud customer account, or an Oracle Cloud Free Tier account.

Access listings in the Oracle Cloud Marketplace

The provisioning process starts by accessing an Oracle WebLogic Server for Oracle Cloud Infrastructure listing in the Oracle Cloud Marketplace. The Marketplace provides listings that correspond to each of the Oracle WebLogic Server for Oracle Cloud Infrastructure UCM and BYOL editions. When a listing is selected from the Marketplace, the user is guided through a UI that enables the selection of detailed configuration options for that edition.

Configuration options

Configuration options include selection of:

- Oracle WebLogic Server version: 10.3.6, 12.2.1.3, 12.2.1.4
- Oracle Cloud Infrastructure compute shapes: Virtual Machine and Bare Metal compute shapes
- Configurations with Java Required Files (JRF) for Oracle ADF applications, and non-JRF configurations for Oracle WebLogic Server Java EE applications
- The number of compute instances (nodes) in the Oracle WebLogic Server domain configuration
- The administrator username and password for the Oracle WebLogic Server domain
- Networking options
- Optional Oracle Cloud Infrastructure Load Balancing configuration
- Optional Oracle Identity Cloud Service integration
- Database options, including integration with Oracle Autonomous Transaction Processing and Oracle Database Cloud Service

For more details on configuration options presented during the provisioning process, visit our Get Started documentation at: <https://docs.oracle.com/en/cloud/paas/weblogic-cloud/>

Creation of Oracle WebLogic Server domain configurations

Based on user selections in the UI, within minutes the appropriate number of compute instances will be provisioned in Oracle Cloud, with the appropriate Oracle WebLogic Server and Oracle JDK versions installed, and the appropriate Oracle WebLogic Server domain configuration. The first compute instance (node) hosts the administration server for the domain along with the first managed server. Each additional compute instance (node) hosts an additional managed server. Domains are provisioned by Terraform scripts that can be reused to automate ongoing domain creation operations. Oracle WebLogic Server domain configurations created in Oracle Cloud can now be used for developing, testing and running production applications. Customers have full access to standard Oracle WebLogic Server tools for application development and deployment, and monitoring and management of the domain configuration and application environment throughout the application management lifecycle.

Flexible Pricing

The different Oracle WebLogic Server for Oracle Cloud Infrastructure editions provide users with a choice of flexible pricing options to meet their specific needs. Usage-based and license-based pricing models are offered, with a range of entitlements provided for each pricing model.

Universal Credits (UCM)

The Oracle WebLogic Server for Oracle Cloud Infrastructure UCM editions offer usage-based pricing, leveraging Oracle Universal Credits. Configurations created from UCM listings in the Oracle Cloud Marketplace are metered to measure the number of OCPU hours (compute resources) used when running the configurations. Customers can create, start, stop, restart and destroy environments, or scale-out and scale-in configurations as needed. Customers will be billed only for the resources consumed, with Pay As You Go or Universal Credits Monthly Flex pricing options. Customers may choose between Oracle WebLogic Server Enterprise Edition for Oracle Cloud Infrastructure, and the additional entitlements offered with Oracle WebLogic Suite for Oracle Cloud Infrastructure, based on application requirements. Pricing details are available at the following link:

<https://www.oracle.com/application-development/cloud-services/weblogic-for-oracle-cloud-infrastructure/pricing.html>

Bring Your Own License (BYOL)

The Oracle WebLogic Server for Oracle Cloud Infrastructure BYOL editions enable usage of configurations based on Oracle WebLogic Server license entitlements - either existing licenses or new licenses acquired to run Oracle WebLogic Server in Oracle Cloud. Each of the major Oracle WebLogic Server license offerings – Oracle WebLogic

Server Standard Edition, Oracle WebLogic Server Enterprise Edition, and Oracle WebLogic Suite – may be used, with the entitlements defined in these licenses as described in our licensing documentation:

<https://docs.oracle.com/en/middleware/fusion-middleware/fmwlc/application-server-products-new-structure.html#GUID-475E4A20-BEE9-4EC8-9CF1-DB2CBAD0EA9B>

Compute resource configuration and billing

The UCM and BYOL editions, and the software entitlements included in them, are priced separately from Oracle Cloud compute resources, including compute instances and block storage, used by the configurations that are created. When using the UCM and BYOL editions, customers have the flexibility to choose the compute shapes used by the configuration, and are billed for the usage of the underlying compute instances created using these shapes. Selection of compute shapes will also affect billing of Oracle WebLogic Server for Oracle Cloud Infrastructure itself when using UCM, or licensing requirements when using BYOL configurations. Flexibility to choose compute resource configuration simplifies compute resource management, and enables customers to provide appropriate compute capacity for their applications, at the right overall price point.

Develop and Deploy Applications in the Cloud

Oracle WebLogic Server for Oracle Cloud Infrastructure configurations run the same Oracle WebLogic Server software used in on-premises systems, enabling customers to leverage existing applications, skills and tools, and to evolve them over time.

Application API choices and compatibility

Oracle WebLogic Server for Oracle Cloud Infrastructure supports the same Oracle WebLogic Server and Java Enterprise Edition (EE) APIs used on-premises to build Web applications, REST services, JMS and transactional applications and other Enterprise Java applications. Oracle Application Development Framework (ADF) applications are also supported. Customers have a choice of Oracle WebLogic Server 10.3.6, 12.2.1.3, and 12.2.1.4 versions, and Java Required Files (JRF) and non-JRF domains. Existing applications developed on-premises with these APIs and versions can be redeployed on Oracle WebLogic Server for Oracle Cloud Infrastructure without changes. And applications developed and deployed in Oracle Cloud can be redeployed on premises as well, giving customers maximum flexibility in selecting hybrid application development and deployment architectures.

Leverage existing skills and tools

Customers can migrate existing applications to the cloud, and use existing approaches to maintain and update them in response to business requirements. Oracle WebLogic Server for Oracle Cloud Infrastructure supports the same CI/CD practices, testing tools, Oracle WebLogic Server Administration Console, WLST scripts, and REST management APIs being used on-premises. Customers can create a fully compatible development and test environment in Oracle Cloud for existing and new Oracle WebLogic Server applications. Production applications can be deployed in Oracle WebLogic Server clusters for high availability and performance, and use Oracle Coherence and Active GridLink for RAC as required.

Leverage Oracle Cloud to enhance application management

Oracle Cloud can also be used to enhance application development and deployment operations over time. The ability to easily create and destroy configurations, the ability to automate provisioning operations using Terraform, and the new billing and pricing options can enable customers to optimize Oracle WebLogic Server application lifecycle management operations. Integration with other Oracle Cloud Services, such as Autonomous Transaction Processing, Oracle Database Cloud Services, the Oracle Cloud Infrastructure Load Balancing Service, the Oracle Identity Cloud Service, and other Oracle Application Development Cloud Services can be used to optimize usage and management of the overall application development and management environment.

Summary

Oracle WebLogic Server for Oracle Cloud Infrastructure supports rapid provisioning of Oracle WebLogic Server configurations to Oracle Cloud, with flexible pricing options. It provides an opportunity to leverage compatibility with existing applications, and to improve development and deployment practices over time. Oracle WebLogic Server customers interested in migrating to the cloud, or developing cloud strategies, should evaluate Oracle WebLogic Server for Oracle Cloud Infrastructure today.

Dependencies

Oracle WebLogic Server for Oracle Cloud Infrastructure depends on the following Oracle Cloud Services:

Oracle Cloud Infrastructure Compute:

- Compute instances are billed separately.

Oracle Cloud Infrastructure Block Storage:

- Block storage is billed separately

Oracle Cloud Infrastructure Key Management or Oracle Cloud Infrastructure Key Management Virtual Vault

- Key Management is billed separately

Oracle Cloud Database Services (Optional):

- Required for JRF domains
- Typically used with non-JRF domains
- Autonomous Transaction Processing
- Oracle Database Cloud Services

Oracle Cloud Infrastructure Load Balancing (Optional)

Oracle Identity Cloud Service (Optional)

Supported Versions and Configurations

Oracle WebLogic Server Versions	<ul style="list-style-type: none"> • 10.3.6 • 12.2.1.3 • 12.2.1.4
Java EE Versions	<ul style="list-style-type: none"> • Java EE 5 (Oracle WebLogic Server 10.3.6) • Java EE 7 (Oracle WebLogic Server 12.2.1.X)
Java Required Files (JRF)	<ul style="list-style-type: none"> • JRF domains • Non-JRF domains
Java SE Versions	<ul style="list-style-type: none"> • Java SE 7 (Oracle WebLogic Server 10.3.6) • Java SE 8 (Oracle WebLogic Server 12.2.1.X)
Oracle Cloud Compute Shapes	<ul style="list-style-type: none"> • Virtual Machines (VM) instances • Bare Metal (BM) instances

Contact Us

For more information about Oracle WebLogic Server, please visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.



Copyright © 2020, Oracle and/or its affiliates. All rights reserved.

This document is provided for information purposes only and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.