



Hybrid Cloud Management

Software Version: 2017.05

WebLogic - Standalone Basic Provision 17.05

Document Release Date: May 2017

Software Release Date: May 2017



Hewlett Packard
Enterprise

Legal Notices

Warranty

The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

The information contained herein is subject to change without notice.

Restricted Rights Legend

Confidential computer software. Valid license from Hewlett Packard Enterprise required for possession, use or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

Copyright Notice

© 2017 Hewlett Packard Enterprise Development LP

Trademark Notices

Microsoft® and Windows® are U.S. registered trademarks of Microsoft Corporation.

Oracle® and MySQL™ are registered trademarks of Oracle and/or its affiliates.

Support

Visit the HP Software Support site at: <https://softwaresupport.hp.com>.

This website provides contact information and details about the products, services, and support that HP Software offers.

HP Software online support provides customer self-solve capabilities. It provides a fast and efficient way to access interactive technical support tools needed to manage your business. As a valued support customer, you can benefit by using the support website to:

- Search for knowledge documents of interest
- Submit and track support cases and enhancement requests
- Download software patches
- Manage support contracts
- Look up HP support contacts
- Review information about available services
- Enter into discussions with other software customers
- Research and register for software training

Most of the support areas require that you register as an HP Passport user and to sign in. Many also require a support contract. To register for an HP Passport ID, click **Register** on the HP Support site or click **Create an Account** on the HP Passport login page.

To find more information about access levels, go to: <https://softwaresupport.hp.com/web/softwaresupport/access-levels>.

HP Software Solutions Now accesses the HPSW Solution and Integration Portal website. This site enables you to explore HP Product Solutions to meet your business needs, includes a full list of Integrations between HP Products, as well as a listing of ITIL Processes. The URL for this website is <http://h20230.www2.hp.com/sc/solutions/index.jsp>.

Contents

Introduction	4
Audience	5
Pre-deployment requirements	6
Set up Runtime Client Solution files	6
Install Content Capsule	8
Environment requirements and support matrix	9
Support matrix	9
Configure Offerings in Cloud Service Automation	9
Adding a Resource Provider	10
Create Credentials and System variables	10
Component properties of Service Designs	11
Creating Service Offering	15
Publishing the Service Offering	15
Subscribe to Service	17
Cancel Subscription	17
Support	18
Send documentation feedback	19

Introduction

This section describes how to use the Oracle WebLogic capsules as a provider for HPE Hybrid Cloud Management 2017.05 to deploy WebLogic application server using templates. The Service Designs simplify and accelerate the creation of the application server lifecycle Service Designs and implementation so that it can be consumed more easily by business users, as well as managed more quickly and consistently by application server administrators. They also enable the users to provide self-service offerings to install application server instances and to manage their lifecycle, or to manage the lifecycle of pre-installed application server instances.

Audience

Capsules are designed and built with ease of deployment and consumption in mind. However, Capsule installation and configuration still require domain expertise with the underlying cloud provider or associated vendor technology. The Cloud Service Automation Content Administrator should be familiar or work with certified personnel to properly deploy the out-of-the box capsule content including service provider properties, service designs and service offerings.

Pre-deployment requirements

This topic lists the requirements that must be met before you import the Oracle WebLogic capsule, use the service designs, and create subscriptions in the marketplace.

- Ensure that the HPE Hybrid Cloud Management 2017.05 is configured, operational and ready for content execution.
- Ensure that you have a shared location to store the required Runtime Client Solution binaries and WebLogic binaries, for example `/var/vols/itom/hcm/shared/content/resources/dma-binaries` as a file server. The file server details need to be updated in the service design.
- Ensure that the following requirements for the target system are met:
 - Appropriate WebLogic software is downloaded.
 - Java Development Kit (JDK) that is supported by the WebLogic version you have downloaded, is installed.
 - A minimum of 1 GB RAM.
 - A complete installation (including SDKs) requires approximately 3.9 GB of disk space. This includes temporary disk space that is needed during installation.

Set up Runtime Client Solution files

The DMA Client binaries are available in the Runtime Client Solution Pack. These files must be copied into the file server or shared folder, for example, `/var/vols/itom/hcm/shared/content/resources/dma-binaries`:

- `dma_oo_client_bin_linux.zip`
- `dma_oo_client_bin_windows.zip`
- `dma_oo_client_code_linux.zip`
- `dma_oo_client_code_windows.zip`
- `dma_oo_client_bin_linux.zip.MD5`
- `dma_oo_client_bin_windows.zip.MD5`

- dma_oo_client_code_linux.zip.MD5
- dma_oo_client_code_windows.zip.MD5

Install Content Capsule

Use the Content Store area in the Cloud Service Management Console to consume and deploy the content from the CSA platform directly, instead of downloading the Content SDK available from CSA. To consume and deploy the content, you must have Content Manager or Administration rights. For more information about Content store, see HCM documentation.

Environment requirements and support matrix

The following table shows the major components required to use this implementation. The versions of components listed in this table are supported for HPE Hybrid Cloud Management Suite 2017.05.

Component	Supported Version ¹
Hybrid Cloud Management	2017.05
File server	Linux server with administrator privileges, to be used as a repository to upload and download content or software.
Virtualization	1.9.1
Base Utility	16.12
VMWare vCenter Compute	16.07

1. HPE recommends to use the latest product versions.

Support matrix

The following table shows the platform support and database support for Oracle WebLogic capsule:

Capsule	Operating system	
Oracle WebLogic	Red Hat Enterprise Linux 5, 6	11G, 12C

Configure Offerings in Cloud Service Automation

Resource categories that are referenced in a service design will be automatically created when the service design archive is imported.


Service Designs	Provider
WebLogic - Standalone Basic Provision	Database and Middleware

Adding a Resource Provider

Resource providers must be created in CSA/Codar. The following table lists the resource providers required for this integration and the service access point. You should change them to reflect your environment.

Provider name	Service access point
Database and Middleware	Provide Database and Middleware identity service access endpoint: http://<ip or host>:<port>/version Example: https://mycompany.com:8445/oo

Perform the following steps for the provider:

1. Log on to the **Cloud Service Management Console** as administrator.
2. Click **Providers**.
3. Select the Provider from the panel on the left.
4. Click **Gear icon**  at the top right of the toolbar.
5. Click **Create Resource Provider**.
6. Fill in the Create Resource Provider fields.
 - a. Enter the **Display Name**.
 - b. Enter the **User ID** and **Password** in the respective fields.
 - c. Enter the **Service Access Point**.
7. Click **Create** to complete or **Cancel** to exit.

Create Credentials and System variables

After you import the flows, you must create system variables and credentials to subscribe service successfully.

Define the following credentials and system property under **Operations Orchestration > Content Management > Configuration items**, if it does not already exist.

Name	Description
OOSServer	The user credentials for the OO Server, OO Orchestration is running.
Source	The File Server credentials. Linux File server from where the binaries are downloaded to the target system
SAUser	If you want to use HPE Server Automation (SA) as the file server, configure the SAUser system account.
CSA_REST_URI	If you have installed RAS service and CSA on separate systems, you must create or edit the CSA_REST_URI with the FQDN or IP address of the system where CSA is running.

Component properties of Service Designs

The following are the mandatory properties of the WebLogic - Standalone Basic Provision service design. You must provide the values of these properties, You can also change the default values of these properties.

WebLogic - Standalone Basic Provision

Property name	Default Value	Description
Admin Server Hostname	no default	The host name or IP address that the Administration Server will run on.
Admin Server Name	adminserver	Label or name given to the Administration Server.
Admin Server Port	8987	The non-SSL port on which the Admin Server will run.
BEA Home	/opt/oracle/weblogic	Fully qualified path to the middleware home directory that contains the WebLogic installation.

WebLogic - Standalone Basic Provision, continued

Property name	Default Value	Description
Binary Archive	/opt/oracle/install/wls1211_ linux32.bin	Fully qualified path to the Weblogic Package Installer. Not required if Java Binary Archived is provided.
Component Paths	WebLogic Server	Specify the components and/or subcomponents you want to install on your system. To install multiple components, separate the components with a bar ().
Domain Path	/opt/oracle/weblogic/domains	Fully qualified path where the domain and domain configuration will be created.
Download Source Host	no default	The host name of IP address of the file server.
Download Source Path	/oo/software	The absolute location of the files to be downloaded in the file server.
Enable SSL	False	Sets the Admin Server to either use (true) or not use (false) the SSL port for communication.
Java Home	no default	Fully qualified

WebLogic - Standalone Basic Provision, continued


Property name	Default Value	Description
		path to the JAVA_HOME that will be used for the generic install. Required if generic installer is used
Log File	/tmp/wls.log	Fully qualified path to a file where the install log will be written.
Server Target	no default	The host name or IP address of the target server.
Server Target Password	no default	The target server password.
Server Target Username	no default	The target server user name.
Setup Custom SSL Stores	False	This parameter will set whether you want to run ssl with the demo ssl certificates or with your own custom keystore and truststore. Options are true or false. If true then the hidden parameters Custom KeyStore Path, Custom KeyStore PassPhrase, Custom TrustStore Path, and Private Key Alias.

WebLogic - Standalone Basic Provision, continued

Property name	Default Value	Description
Staging Directory	/tmp/wls	Fully qualified path to a temporary directory that the installer will use to uncompress the binary into.
Start Node Manager	True	This parameter will set whether you want to start the WebLogic Node Manager or not. Options are true or false.
Weblogic Admin Password	no default	This will be the password that will be used to authenticate with the Admin Server.
WLS Install Home	/opt/oracle/weblogic/wlserver12.1	Fully qualified path to the product installation directory where WebLogic Server will be installed.

To change component properties:


1. Log on to the Cloud Service Management Console as an administrator.
2. Click **Designs > Sequenced > Designer**.
3. Select the service design.
4. Click the **Version** tab and select the required version of the design.
5. Click **Designer** tab.
6. Select the component.
7. Change values for the component properties as listed in the table above.
8. After making the changes, on the **Overview** tab, click **Publish**, to publish the Service Design.

Tip: Click **Help**  icon at the top right corner of the screen to know the details about editing component properties.

Creating Service Offering

A service offering must be created in CSA before subscribers can request services based on this service design.

Complete the following steps to create an offering:

1. Log on to the **Cloud Service Management Console** as an administrator.
2. Click **Offerings**.
3. Click **Create Offering** option from the **Gear icon** .
4. Fill in the Create Offering fields:
 - a. Enter the **Display Name** of the new offering. This is the offering that will be visible to the subscribers of this service.
 - b. Enter the **Version** with the latest version.
 - c. Click the appropriate **Service Design** from the drop down and then click Select.
 - d. Enter the **Description** (optional) in the provided field.
5. Click **Create** to complete or click **Cancel** to exit.

Note: After the offering is created, you can modify the pricing information, associate documents or the subscriber options.

Publishing the Service Offering

To publish the Service Offering to the selected Catalog, perform the following task:

1. Log on to the **Cloud Service Management Console** as an administrator.
2. Click **Catalogs**.
3. Select the appropriate Catalog.

Tip: Global Shared Catalog is installed by default when CSA gets installed. When you publish a service offering to this catalog, it will be visible in every organization's Marketplace Portal.

4. Click **Offerings** tab, and then click **Add Offering**.
5. Select the service offering you created from the options displayed.
6. Click the **In Category** drop down, and then select the category from the list.

In the Marketplace Portal, the Service Offering will appear under this category.

7. Click **Publish** to complete or **Cancel** to exit.
8. A pop-up appears, click **OK** to confirm.

The service offering published to the selected catalog is now available for subscription.

Note: You can also publish the service offering after creating it in the **Offering** tile. Go to **Offering** tile, select the created offering, click **Publishing** tab, click **Publish** select the **Catalog** and **Category**, click **Publish** to complete.

Subscribe to Service

After the service offering is published to a catalog, you can subscribe it from the Marketplace Portal. If you have configured multiple organizations in CSA or published your service offering to a catalog other than the Global Shared Catalog, log on to the appropriate Marketplace Portal of your organization.

To subscribe to the service:

1. Log on to the **Marketplace portal** (<https://<hostname>:8089>) as a consumer.
2. Click Sidebar Menu from **Dashboard**, and then click **Browse Catalog**.
3. Click on the published Service offering
4. Enter the required values to subscribe for the offerings.
5. Click **Checkout**.
6. Enter the details such as the **Subscription Name** and **Start Date** of the subscription.
7. Click **Submit Request** to complete subscription process.

To monitor the status of subscription, click on the **Subscriptions** tab.

Cancel Subscription

To cancel a subscription:

1. Log on to the Marketplace portal (<https://<hostname>:8089>) as a consumer.
2. On the Sidebar Menu, click Subscriptions.
3. Identify the subscription that you want to cancel.
 - a. Click the subscription to view its details.
 - b. Click Cancel Subscription.
 - c. Click Yes to confirm cancellation or click No to exit.

Note: The request is approved automatically, and shows the status as **Approved** in the **Requests** tab.

Support

All CSA Customers are entitled to browse, download and deploy CSA content capsules. The level of Support provided with this Capsule is associated with the respective Capsule Content Type For more information about the different content type supported and their level of support, see

<https://hpln.hpe.com/help/content-type-support>

Send documentation feedback

If you have comments about this document, you can [contact the documentation team](#) by email. If an email client is configured on this system, click the link above and an email window opens with the following information in the subject line:

**Feedback on WebLogic - Standalone Basic Provisionfor Hybrid Cloud Management 2017.05
(Hybrid Cloud Management 2017.05)**

Just add your feedback to the email and click send.

If no email client is available, copy the information above to a new message in a web mail client, and send your feedback to hpe_dma_docs@hpe.com.

We appreciate your feedback!