Oracle® Cloud

Images for Oracle WebLogic Server for OCI

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Linux Images for Oracle WebLogic Server for OCI

Learn about the Linux images in Oracle WebLogic Server for Oracle Cloud Infrastructure (Oracle WebLogic Server for OCI) and how to use these images to create instances in Oracle WebLogic Server for Oracle Cloud Infrastructure.

Topics:

- About Oracle WebLogic Server for OCI Linux Images
- Create Compartment Policies
- Create an Instance
- Use a Linux Image
- Patches for an Image

About Oracle WebLogic Server for OCI Linux Images

The Oracle WebLogic Server for OCI Oracle WebLogic Server for OCI Universal Credits Model (UCM) Linux images are publicly available in the marketplace from release 21.3.3. These Oracle WebLogic Server for OCI images include binaries of the Oracle WebLogic Server and the Java Development Toolkit (JDK).

Oracle Linux 8.8 and Oracle Linux 7.9 images are supported for Oracle WebLogic Server for OCI images. These Linux images contain:

- Zip files with the Fusion Middleware Infrastructure installations that include the latest quarterly patch set (located in `/u01/zips/jcs/FMW`).
- 12.2.1.4.0 slim and generic installers, 14.1.1.0 slim installer (located in `/u01/zips/FMW`), and 14.1.2.0 FMW installer (located in `/u01/zips/FMW`).

> ✎ **Note:**
>
> All images prior to image version, *22.1.2-220224065812* are Oracle Linux 7.9.

For Oracle Linux 7.9, the Oracle WebLogic server versions supported are 12.2.1.3, 12.2.1.4, and 14.1.1.0, and for Oracle Linux 8.8, the Oracle WebLogic server versions supported are 12.2.1.4, 14.1.1.0, and 14.1.2.0.

Oracle WebLogic Server for OCI supports Bring Your Own License (BYOL) and Universal Credits (UCM) images.

If you use BYOL images, you are not billed for WebLogic usage, but you need a valid WebLogic license and support contract. If you use UCM images, you are billed per OCPU per hour for the entitlement to run WebLogic software, but you don't need a WebLogic license and support contract.

The following BYOL image is available in Oracle WebLogic Server for OCI:

- Oracle WebLogic Server Image for Roving Edge Infrastructure BYOL - Enabled to be used in Oracle Roving Edge Infrastructure and requires a WebLogic license and a support contract.

The following UCM images are available in Oracle WebLogic Server for OCI:

- Oracle WebLogic Server Enterprise Edition UCM Image - Includes all the entitlements that are part of the Oracle WebLogic Server Enterprise Edition license and WebLogic support.

- Oracle WebLogic Suite UCM Image - Includes all the entitlements that are part of the Oracle WebLogic Suite license and WebLogic support, and the entitlements for Forms within the entitlements of WebLogic Server Suite.
  For information on Forms entitlements, see About Oracle Forms for Oracle Cloud Infrastructure in *Using Oracle Forms for Oracle Cloud Infrastructure*.

For information on the support for different WebLogic Server versions, see Document ID 2817303.1 at My Oracle Support.

Shapes for Oracle WebLogic Server for OCI images

The following shapes are supported for Oracle WebLogic Server for OCI images:

- Oracle WebLogic Server Enterprise Edition UCM Image and Oracle WebLogic Suite UCM Image:
  - Standard - `VM.Standard2.x`, `VM.Standard.E2.x`, `BM.Standard2.x`, `BM.Standard.E2.x`, `BM.Standard3.64`
  - Flexible - `VM.Standard.E3.Flex`, `VM.Standard.E4.Flex`, `VM.Standard3.Flex`
  - Optimized - `BM.Optimized3.36`, `VM.Optimized3.Flex`

- Oracle WebLogic Server Image for Roving Edge Infrastructure BYOL:
  - Standard - `VM.Standard2.x`, `VM.Standard.E2.x`, `BM.Standard2.x`, `BM.Standard.E2.x`
  - Flexible - `VM.Standard.E3.Flex`, `VM.Standard.E4.Flex`

Create Compartment Policies

If you are not an Oracle Cloud Infrastructure administrator, you must be given management access to Marketplace applications and Resource Manager stacks to be able to create compute instances using Oracle WebLogic Server for OCI images.

The sample policies are shown below:

```
Allow group MyGroup to use app-catalog-listing in compartment MyCompartment
Allow group MyGroup to manage instance-family in compartment MyCompartment
Allow group MyGroup to manage virtual-network-family in compartment
MyNetworkCompartment
```

See Common Policies in the Oracle Cloud Infrastructure documentation.

Create an Instance

Learn how to create an Oracle WebLogic Server for OCI compute instance using Oracle WebLogic Server for OCI images.

> **✎ Note:**
>
> You can use Oracle WebLogic Suite UCM image to create Forms compute instances in Oracle Cloud Infrastructure. See Creating an Instance in *Using Oracle Forms for Oracle Cloud Infrastructure*.

For instances created after release 21.1.3, you can create custom images from compute instances created with Oracle WebLogic Server for OCI images. See Managing Custom Images in Oracle Cloud Infrastructure documentation.

Topics:

- Create an Instance Using the Compute Instance Console
- Create an Instance Using the Marketplace

Create an Instance Using the Compute Instance Console

You can create a new instance using Oracle WebLogic Server for OCI images from the compute instance in the Oracle Cloud Infrastructure console.

1. Sign in to the Oracle Cloud Infrastructure console.

2. Click the navigation menu, select **Compute**. Under the **Compute** group, click **Instances**.

3. Click the image for which you want to create the instance.

4. Click **Create Instance**.

   You can change the name of the instance if needed.

5. Select the compartment in which to create the instance.

6. Under **Placement**, select the **Availability Domain** in which to create the instance.

   To specify capacity type and fault domain, click **Show advanced options**.

7. Under **Image and Shape**, click **Change Image** and do the following:

   a. Select **Marketplace**, and for the Partner Images that are listed, select one of the following Oracle WebLogic Server for OCI images:

      - Oracle WebLogic Server Enterprise Edition UCM Image
      - Oracle WebLogic Suite UCM Image
      - Oracle WebLogic Server Image for Roving Edge Infrastructure BYOL

   b. For the selected image, click the arrow on the right, and then select the image build version for the paid images.

      - Oracle Linux 7.9 (labeled as `<release>-ol7.9-<build>-<timestamp>`)
      - Oracle Linux 8.6 (labeled as `<release>-ol8.6-<build>-<timestamp>`)

   c. Review the terms and conditions and select the **Oracle Terms of Use** check box and click **Select Image**.

8. Under **Image and Shape**, click **Change Shape**. Select the **Instance Type** and select the shape.

   If you're creating a virtual machine, under **Shape series**, select a processor group, and then choose a shape.

   To know the shapes that are supported, see Shapes for the images.

9. Configure the network for the instance.

   To specify advanced network settings, click **Show advanced options**.

10. Under **Add SSH keys**, generate a key, upload your public key, or paste the keys.

11. Under **Boot Volume**, specify the size and encryption options for the instance's boot volume.

12. Click **Show advanced options** to configure advanced settings.

13. Click **Create**.

For details, see Creating a Linux instance in Oracle Cloud Infrastructure documentation.

Create an Instance Using the Marketplace

You can create a new instance using Oracle WebLogic Server for OCI images from the Marketplace.

1. Sign in to the Oracle Cloud Infrastructure console.

2. Click the navigation menu, select **Marketplace**, and then click **All Applications**.

3. Select one of the following Oracle WebLogic Server for OCI images:

   - Oracle WebLogic Server Enterprise Edition UCM Image

   - Oracle WebLogic Suite UCM Image

   - Oracle WebLogic Server Image for Roving Edge Infrastructure BYOL

4. From the **Version** dropdown, select the image build version.

   Every image is built for a specific operating system and hence may support different operating systems.

   - Oracle Linux 7.9 (labeled as `<release>-ol7.9-<build>-<timestamp>` or `<release>-<build>-<timestamp>`).

     > **✎ Note:**
     >
     > The older Oracle Linux 7.9 images are labelled as `<release>-<build>-<timestamp>`.

   - Oracle Linux 8.6 (labeled as `<release>-ol8.6-<build>-<timestamp>`).

   - Oracle Linux 7.9 following Security Technical Implementation Guide (STIG). This is currently available for Roving Edge Infrastructure only (labeled as `WLS <release>-ol7.9-<build>-ST`).

5. Review the terms and conditions and select the **Oracle Terms of Use** check box.

6. Click **Launch Instance**.

7. Select the compartment in which to create the instance.

8. Under **Placement**, select the **Availability Domain** in which to create the instance.

   To specify capacity type and fault domain, click **Show advanced options**.

9. Under **Image and Shape**, click **Change Shape**. Select the **Instance Type** and select the shape.

> If you're creating a virtual machine, under **Shape series**, select a processor group, and then choose a shape.
>
> To know the shapes that are supported, see Shapes for the images.

10. Configure the network for the instance.

    To specify advanced network settings, click **Show advanced options**.

11. Under **Add SSH keys**, generate a key, upload your public key, or paste the keys.

12. Under **Boot Volume**, specify the size and encryption options for the instance's boot volume.

13. Click **Show advanced options** to configure advanced settings.

14. Click **Create**.

For details, see Creating a Linux instance in Oracle Cloud Infrastructure documentation.

Use a Linux Image

You can use Oracle WebLogic Server for OCI Linux images to create Oracle WebLogic Server domains in Oracle Cloud Infrastructure compute instances with entitlement to use WebLogic software.

When using the Oracle WebLogic Server for OCI Linux images:

- Ensure that you specify an SSH key when you create an instance using the image. You need this SSH key to access the instance and launch the instance.

- Connect to an instance as the `opc` user using the SSH command.

  ```
  ssh –i <private_key_file> opc@<public-ip-address>
  ```

  Where, `private_key_file` is the corresponding private key for the public key used during provisioning.

  After you login as `opc` user, switch to `oracle` user.

  > **Note:**
  >
  > Ensure that the `oracle` user is the owner of the Middleware Home directory.

  ```
  sudo su - oracle
  ```

  See Connecting to a Linux Instance in Oracle Cloud Infrastructure documentation.

- Unzip the JDK binaries located at `/u01/zips/jcs` based on the JDK version.

  ```
  unzip /u01/zips/jcs/<JDK_Version>/jdk.zip -d /
  ```

  Example:

  ```
  unzip /u01/zips/jcs/JDK8.0/jdk.zip -d /
  ```

> **✎ Note:**
>
> WebLogic 14.1.1 supports JDK 11 and WebLogic 14.1.2 supports JDK 17 and JDK 21. Therefore, JDK 11, 17 and 21 binaries are also located at `/u01/zips/jcs/`.

- Unzip the WebLogic binaries located at `/u01/zips/jcs/FMW` based on the Oracle WebLogic Server version.

  `unzip /u01/zips/jcs/FMW/<WebLogic_Version>/fmiddleware.zip -d /`

  Example:

  `unzip /u01/zips/jcs/FMW/12.2.1.4.0/fmiddleware.zip -d /`

- Set read and write permissions to `/u01` folder.

  `chmod -R 775 /u01/`

Now, the location of your JDK is `/u01/jdk/` and the location of Fusion Middleware is `/u01/app/oracle/`. You can create and configure a WebLogic domain for the WebLogic Server versions supported in this image. See the following documents:

- Creating a WebLogic Domain (14.1.2.0)
- Creating a WebLogic Domain (14.1.1.0)
- Creating a WebLogic Domain (12.2.1.4.0)
- Creating a WebLogic Domain (12.2.1.3.0)

Patches for an Image

You can use the patching tool utility on Oracle WebLogic Server for OCI images to download and apply patches. Use opatch to apply the downloaded patches. See Patch Management Using Patching Utility.

> **✎ Note:**
>
> To perform all the patching tool operations, the `oracle` user must be the owner of the middleware binaries. In case a user other than `oracle` user is the owner of these binaries, the patching tool supports only patch list and download.

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Oracle WebLogic Server for OCI Windows Images

Learn about the Windows images in Oracle WebLogic Server for Oracle Cloud Infrastructure (Oracle WebLogic Server for OCI) and how to use these images to create instances in Oracle WebLogic Server for Oracle Cloud Infrastructure.

Topics:

- About Oracle WebLogic Server for OCI Windows Images
- Create Compartment Policies
- Create a Windows Instance
- Use a Windows Image
- Patches for a Windows Image

About Oracle WebLogic Server for OCI Windows Images

The Oracle WebLogic Server for OCI Oracle WebLogic Server for OCI Universal Credits Model (UCM) for Windows images are publicly available in the marketplace. These Oracle WebLogic Server for OCI images include binaries of the Oracle WebLogic Server and the Java Development Toolkit (JDK).

Use of these images will grant entitlement and support to run WebLogic software on OCI Compute instances created with these images and will be billed per OCPU/hour.

> **✎ Note:**
>
> There are additional fees for infrastructure cost such as compute, memory and storage.

The following UCM images are available in Oracle WebLogic Server for OCI:

- Oracle WebLogic Server Enterprise Edition UCM Image - Includes all the entitlements that are part of the Oracle WebLogic Server Enterprise Edition license and WebLogic support.
- Oracle WebLogic Suite UCM Image - Includes all the entitlements that are part of the Oracle WebLogic Suite license and WebLogic support, and the entitlements for Forms within the entitlements of WebLogic Server Suite.

The Oracle WebLogic server versions supported are 12.2.1.4 and 14.1.1.

Supported Windows Editions

- Windows Standard 2016
- Windows Standard 2019
- Windows Standard 2022

Supported Shapes

The shapes supported on these images are:

VM.DenseIO	VM.DenseIO1.16
	VM.DenseIO1.4
	VM.DenseIO1.8
	VM.DenseIO2.16
	VM.DenseIO2.24
	VM.DenseIO2.8
VM.GPU.A	VM.GPU.A10.1
	VM.GPU.A10.2
VM.Optimized3	VM.Optimized3.Flex
VM.Standard.AMD.Generic	VM.Standard.AMD.Generic
VM.Standard	VM.Standard.E2.1
	VM.Standard.E2.2
	VM.Standard.E2.4
	VM.Standard.E2.8
	VM.Standard.E3.Flex
	VM.Standard.E4.Flex
	VM.Standard.E5.Flex
	VM.Standard.Intel.Generic
	VM.Standard.x86.Generic
VM.Standard3	VM.Standard3.Flex

The Windows image comes with various versions of Oracle WebLogic and Oracle Fusion Middleware Infrastructure installers. It also includes scripts that will help you in the process to install WebLogic and/or Fusion Middleware Infrastructure. Those scripts require you to run as administrator. Specifically, the Windows images contain:

> **Note:**
>
> There will be no patched binaries of WebLogic included within the Windows images.

Software available in both WLS EE and WL Suite for OCI Windows images:

• JDK 8

- JDK 11

  > **Note:**
  >
  > JDK8 and JDK11 are provided for convenience and may not be the latest JDK versions. To download and install the latest supported JDK, see the Oracle Technology Network.

- Installers for WebLogic 12.2.1.4 and 14.1.1:
  - WLS 14.1.1 Generic without ADR
    * Path: C:\Oracle\Middleware\Installers\fmw14110_generic_installer
  - WLS 12.2.1.4 Generic without ADR (wls_lite)
    * Path: C:\Oracle\Middleware\Installers\fmw12214_generic_installer
  - WLS 14.1.1 Generic with ADR (wls_generic)
    * Path: C:\Oracle\Middleware\Installers\fmw14110_adr_generic_installer
  - WLS 12.2.1.4 Generic with ADR (wls_generic)
    * Path: C:\Oracle\Middleware\Installers\fmw12214_adr_generic_installer
  - WLS 14.1.1 Slim
    * C:\Oracle\Middleware\Installers\fmw14110_slim_installer
  - WLS 12.2.14 Slim
    * C:\Oracle\Middleware\Installers\fmw12214_slim_installer
  - WLS 12.2.1.4 Infra
    * C:\Oracle\Middleware\Installers\fmw12214_infra_installer
- The WebLogic Server for OCI Patching Utility (Windows version) See Patch Management Using the Patching Utility Tool on Windows
- Patch 34500720 downloaded and unzipped
- Batch scripts to install WebLogic and Fusion Middleware Infrastructure:

  C:\Oracle\Middleware\scripts
  - Filename: fmw14110_adr_generic_installer
  - Filename: fmw12214_adr_generic_installer
  - Filename: fmw14110_generic_installer
  - Filename:fmw12214_generic_installer
  - Filename: fmw14110_slim_installer
  - Filename: fmw12214_slim_installer
  - Filename: fmw12214_infra_installer

Create Compartment Policies

If you are not an Oracle Cloud Infrastructure administrator, you must be given management access to Marketplace applications and Resource Manager stacks to be able to create compute instances using Oracle WebLogic Server for OCI images.

The sample policies are shown below:

```
Allow group MyGroup to use app-catalog-listing in compartment MyCompartment
Allow group MyGroup to manage instance-family in compartment MyCompartment
Allow group MyGroup to manage virtual-network-family in compartment
MyNetworkCompartment
```

See Common Policies in the Oracle Cloud Infrastructure documentation.

Create a Windows Instance

Learn how to create an Oracle WebLogic Server for Oracle Cloud Infrastructure compute instance using Oracle WebLogic Server for OCI Windows images.

Create a Windows Instance Using the Compute Instance Console

You can create a new Windows instance using Oracle WebLogic Server for OCI images from the compute instance in the Oracle Cloud Infrastructure console.

1. Sign in to the Oracle Cloud Infrastructure console.

2. Click the navigation menu, select **Compute**. Under the **Compute** group, click **Instances**.

3. Click **Create Instance**.

   You can change the name of the instance if needed.

4. Select the compartment in which to create the instance.

5. Under **Placement**, select the **Availability Domain** in which to create the instance.

   To specify capacity type and fault domain, click **Show advanced options**.

6. Under **Image and Shape**, click **Change Image** and do the following:

   a. Select **Marketplace**, and for the Partner Images that are listed, select one of the following Oracle WebLogic Server for OCI images:

      • Oracle WebLogic Server Enterprise Edition UCM Image

      • Oracle WebLogic Suite UCM Image

   b. For the selected image, click the arrow on the right, and then select the image build version for the paid images.

      • Windows 2022 (labeled as `<release>-win2022.standard.<build>-<timestamp>`)

      • Windows 2019 (labeled as `<release>-win2019.standard.<build>-<timestamp>`)

      • Windows 2016 (labeled as `<release>-win2016.standard.<build>-<timestamp>`)

   c. Review the terms and conditions and select the **Oracle Terms of Use** check box and click **Select Image**.

7. Under **Image and Shape**, click **Change Shape**. Select the **Instance Type** and select the shape.

   If you're creating a virtual machine, under **Shape series**, select a processor group, and then choose a shape.

   To know the shapes that are supported, see Shapes for the images.

8. Configure the network for the instance.

   To specify advanced network settings, click **Show advanced options**.

   > **✎ Note:**
   >
   > Make sure that port 3389 is open if you intended to use RDP to connect to the instance.

9. Under **Boot Volume**, specify the size and encryption options for the instance's boot volume.

10. Click **Show advanced options** to configure advanced settings.

11. Click **Create**.

For details, see Creating a Linux instance in Oracle Cloud Infrastructure documentation.

Create a Windows Instance Using the Marketplace

You can create a new instance using Oracle WebLogic Server for OCI Windows images from the Marketplace.

1. Sign in to the Oracle Cloud Infrastructure console.

2. Click the navigation menu, select **Marketplace**, and then click **All Applications**.

3. Select one of the following Oracle WebLogic Server for OCI images:

   • Oracle WebLogic Server Enterprise Edition UCM Image

   • Oracle WebLogic Suite UCM Image

4. From the **Version** dropdown, select the image build version.

   Every image is built for a specific operating system and hence may support different operating systems.

   • Windows 2022 (labeled as `<release>-win2022.standard.<build>-<timestamp>`).

   • Windows 2019 (labeled as `<release>-win2019.standard.<build>-<timestamp>`).

   • Windows 2016 (labeled as `<release>-win2016.standard.<build>-<timestamp>`).

5. Review the terms and conditions and select the **Oracle Terms of Use** check box.

6. Click **Launch Instance**.

7. Select the compartment in which to create the instance.

8. Under **Placement**, select the **Availability Domain** in which to create the instance.

   To specify capacity type and fault domain, click **Show advanced options**.

9. Under **Image and Shape**, click **Change Shape**. Select the **Instance Type** and select the shape.

If you're creating a virtual machine, under **Shape series**, select a processor group, and then choose a shape.

To know the shapes that are supported, see Shapes for the images.

10. Configure the network for the instance.

To specify advanced network settings, click **Show advanced options**.

> **Note:**
>
> Make sure that port 3389 is open if you intended to use RDP to connect to the instance.

11. Under **Boot Volume**, specify the size and encryption options for the instance's boot volume.

12. Click **Show advanced options** to configure advanced settings.

13. Click **Create**.

For details, see Creating a Linux instance in Oracle Cloud Infrastructure documentation.

Use a Windows Image

You can use Oracle WebLogic Server for OCI Windows images to create Windows compute instances that include entitlement and support to use WebLogic software. These images include WebLogic installers, utilities and scripts that will assist in the creation of a WebLogic domain.

Connecting to WebLogic Server for OCI Windows Images Deployed on Public Subnet

> **Note:**
>
> If you created your compute instance on a public subnet, then you need to make sure that the default Remote Desktop Protocol (RDP) port 3389 is accessible from the instance you are using to access the Windows instance.

1. Open the Remote Desktop client.

2. In the **Computer** field, enter the public IP address that you retrieved from the Console.

3. The **User name** is `opc`. Depending on the Remote Desktop client you are using, you might have to connect to the instance before you can enter this user.

4. Click **Connect** to start the session.

5. Accept the certificate if you are prompted to do so.

6. Enter the initial password that you retrieved from the Console. You will be prompted to change the password as soon as you log in.

> **Note:**
>
> The initial password is located at OCI Console / Compute / Instances / compute instance / Instance information / Instance access / Inititial password.
>
> Your new password must be at least 12 characters long and must comply with Microsoft's password policy.

7. Press **Enter**.

Connecting to WebLogic Server for OCI Windows Images Deployed on Private Subnet

> **Note:**
>
> If you created your compute instance on a private subnet, you need a bastion host or bastion service with a public IP that has access to the Windows instance. Make sure that port 3389 is open for connections between bastion host/service to the Windows instance

The following process shows you how to create an SSH tunneling to use Remote Desktop Connection on a Windows instance deployed in a private subnet using Putty.

1. Convert generated .key private key fila to Putty Private Key (PPK):

    a. Open Remote Desktop.

    b. Click Load and select the private key that was generated when you created the instance. The extension for the key file is .key.

    c. Click **Save private key**.

    d. Specify a name for the key. The extension for new private key is .ppk.

    e. Click **Save**.

2. Open Remote Desktop.

3. Configure bastion IP address:

    a. In Session category enter the bastion public IP address and SSH port (default 22)

    b. Make sure connection type is set to SSH.

    c. Optionally, save the session configuration for future use by entering a name in Saved Sessions and click **Save**.

4. Set Remote character set to UTF-8.
   Go to Window / Translation and set UTF-8 in Remote Character Set.

5. Set SSH private Key:

    a. Go to Connection / SSH / Auth / Credentials

    b. Locate the .ppk file generated above.

6. Configure SSH Tunneling:

    a. Go to Connection / SSH / Tunnels

    b. Enter a source port to: `localhost:<source_port>`. Where `<source_port>` can be any value from 0-65536.

    c. Enter destination port to: `<windows_instance_private_ip>`:**3389**

7. Open the Remote Desktop client.

8. In the **Computer** field, enter *localhost:<source_port>* as specified in SSH Tunneling step.

9. The **User name** is `opc`. Depending on the Remote Desktop client you are using, you might have to connect to the instance before you can enter this user.

10. Click **Connect** to start the session.

11. Accept the certificate if you are prompted to do so.

12. Enter the initial password that you retrieved from the Console. You will be prompted to change the password as soon as you log in.

> **Note:**
>
> The initial password is located at OCI Console / Compute / Instances / compute instance / Instance information / Instance access / Initial password.

For more information about connecting to Windows instances, see Connecting to Your Windows Instance in OCI

Install WebLogic Server or Fusion Middleware Infrastructure

The Oracle WebLogic Server for OCI Windows images include all the software you need to install WebLogic. However, by the time you create the instance the JDK included may be outdated. So, it is recommended that you download the latest JDK 8 or JDK 11 depending on theWebLogic version you are installing. For more information about downloading the latest JDK, see Java Download.

> **Note:**

WebLogic Server 14.1.1 supports JDK 8 and JDK 11 and WebLogic Server 12.2.1.4 only supports JDK 8.

Install JDK

1. Once you download the JDK, unzip or install with the Windows/MSI installer.

2. Define JAVA_HOME environment variable.

    a. Open Environment Variables window.

        i. Type `Windows + R` keys together and run program "sysdm.cpl".

        ii. Go to **Advanced** tab.

        iii. Click **Environment Variables...**

    b. Within System variables, click **New**.

    c. Set JAVA_HOME as Variable name.

    d. Set the path to your JDK as Variable value. For example:

```
C:\Program Files\Java\jdk-1.8
```

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   e.   Click **OK**.

3.   Install WebLogic or Fusion Middleware.

   a.   Go to C:\Oracle\Middleware\scripts.

   b.   Right click the desired install script and then select "Run as Administrator".

   c.   Follow the instructions on the screen.

You can create and configure WebLogic domains for the WebLogic Server versions supported in this image. See the following documents:

- Creating a WebLogic Domain (14.1.1.0)
- Creating a WebLogic Domain (12.2.1.4.0)

Patches for a Windows Image

You can use the patching utility tool on Oracle WebLogic Server for OCI images to download and apply patches. Use opatch to apply the downloaded patches. See Patch Management Using the Patching Utility Tool on Windows.