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AppZero

How to Create an Oracle® WebLogic Server 10.3 VAA

November 2009

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AppZero Corp.

750 Palladium Dr., Suite 210
Ottawa, ON K2V 1C7
+1-613-254-5432
+1-866-980-2770

300 Brickstone Square, Suite
200
Andover, MA 01810
+1-617-830-9327
+1-866-980-2770

Harborside Financial Center,
Plaza 2
34 Exchange Place
9th Floor
Jersey City, NJ 07311
+1-201-377-0492
+1-866-980-2770

support@appzero.com
<http://www.appzero.com>

Table of Contents

About This Document	1
Additional information	1
What's Ahead	2
Software and hardware prerequisites.....	2
Creating the VAA.....	3
Moving the VAA.....	7
Testing the VAA.....	8
Appendix A: Installing Oracle WebLogic Server 10.3.....	10

About This Document

AppZero is an application virtualization solution for the data center that turns Windows applications into discrete, movable objects called AppZero virtual application appliances (VAA).

This document describes the steps for creating an Oracle WebLogic Server 10.3 VAA.

Additional information

The resources in this table can help you learn more about AppZero.

To more learn about	See
Creating and managing AppZero virtual application appliances (VAA). Among other things, this guide describes installing AppZero and using VAA Creator.	AppZero User Guide
Important and late breaking information	AppZero Release Notes
Other services and products	www.appzero.com

What's Ahead

In this document, you will use AppZero VAA Creator to create a VAA that contains Oracle WebLogic Server 10.3.

In the prerequisites section, you will learn what software needs to be installed on the computer before you begin.

Throughout the remainder of the document, you will follow these steps:

- Create the VAA
- Move the VAA
- Test the VAA

Appendix A provides the steps for installing Oracle WebLogic Server 10.3.

Software and hardware prerequisites

Before you create the VAA, you will need to install AppZero 4.1 32-bit on both the source and target host computers. The source host is the computer upon which the VAA is created; the target host is the computer upon which the VAA is deployed and used.

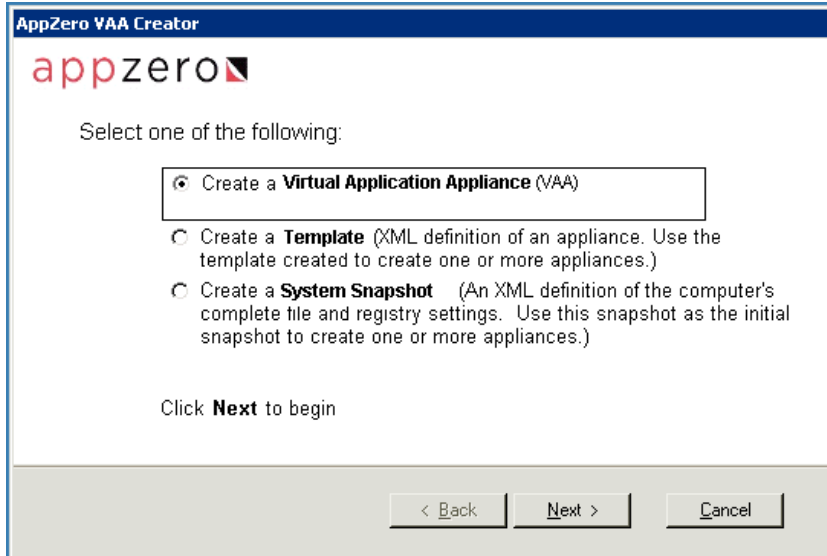
Note: *You must make sure that the version of AppZero and the platform are both 32-bit.*

Also, it is recommended that you start with a clean source computer; that is, a computer where Oracle WebLogic has never been installed. In doing so, you avoid the chance of missing files and registry settings or including unnecessary files or registry settings in the VAA.

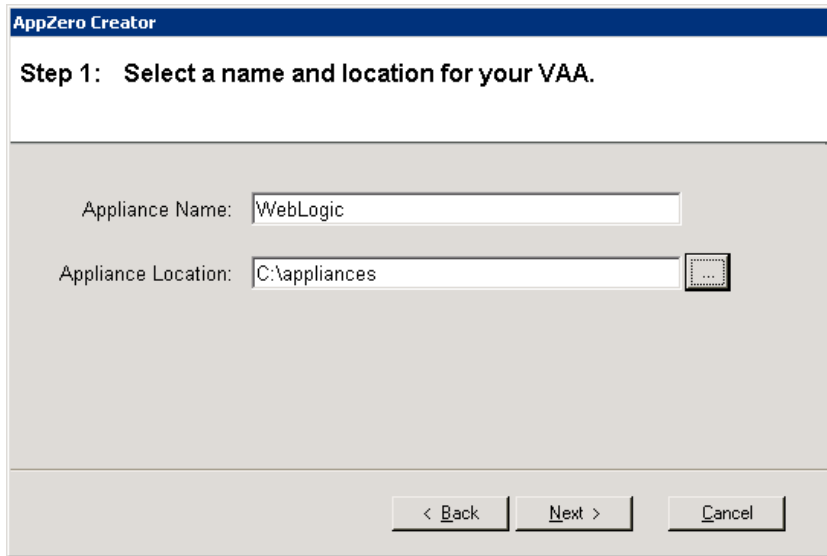
For information about supported platforms and installing AppZero 4.1, see the *AppZero User Guide*.

Creating the VAA

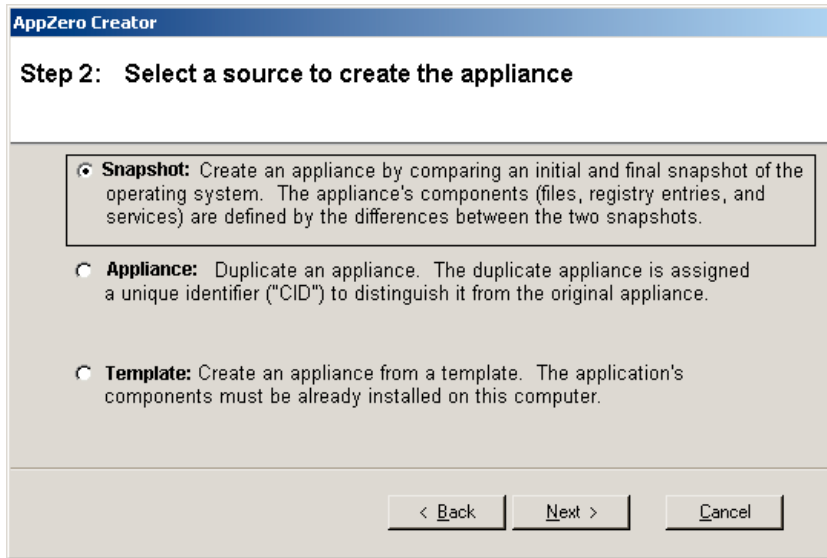
1. On the source host, start VAA Creator, select **Create a Virtual Application Appliance**, and then click **Next**.



2. Enter the name and location for the VAA, and then click **Next**.



3. Select **Snapshot** as the source to create the VAA, and then click **Next**.



The screenshot shows the 'AppZero Creator' window at 'Step 2: Select a source to create the appliance'. It features three radio button options: 'Snapshot' (selected), 'Appliance', and 'Template'. Each option has a descriptive text block. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

AppZero Creator

Step 2: Select a source to create the appliance

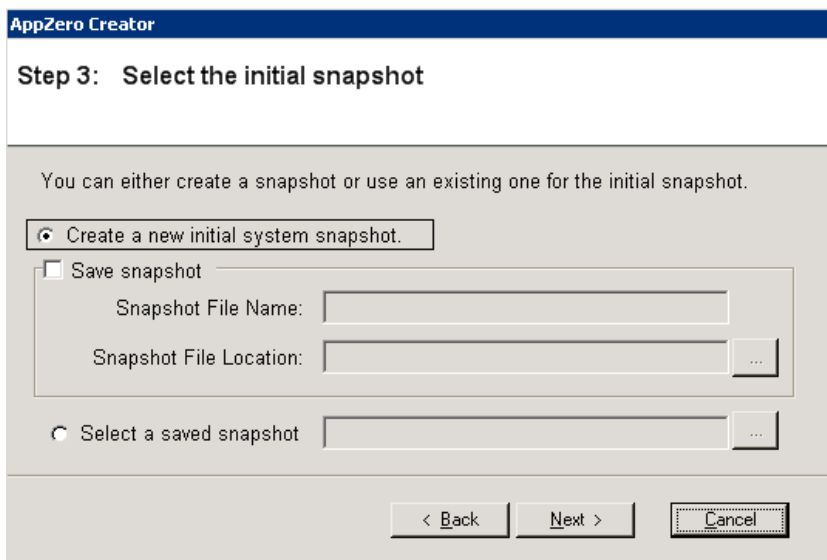
Snapshot: Create an appliance by comparing an initial and final snapshot of the operating system. The appliance's components (files, registry entries, and services) are defined by the differences between the two snapshots.

Appliance: Duplicate an appliance. The duplicate appliance is assigned a unique identifier ("CID") to distinguish it from the original appliance.

Template: Create an appliance from a template. The application's components must be already installed on this computer.

< Back Next > Cancel

4. Select **Create a new initial system snapshot**, and then click **Next**.



The screenshot shows the 'AppZero Creator' window at 'Step 3: Select the initial snapshot'. It includes a text instruction, a selected radio button for 'Create a new initial system snapshot', a checkbox for 'Save snapshot', and input fields for 'Snapshot File Name' and 'Snapshot File Location'. There is also a radio button for 'Select a saved snapshot'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

AppZero Creator

Step 3: Select the initial snapshot

You can either create a snapshot or use an existing one for the initial snapshot.

Create a new initial system snapshot.

Save snapshot

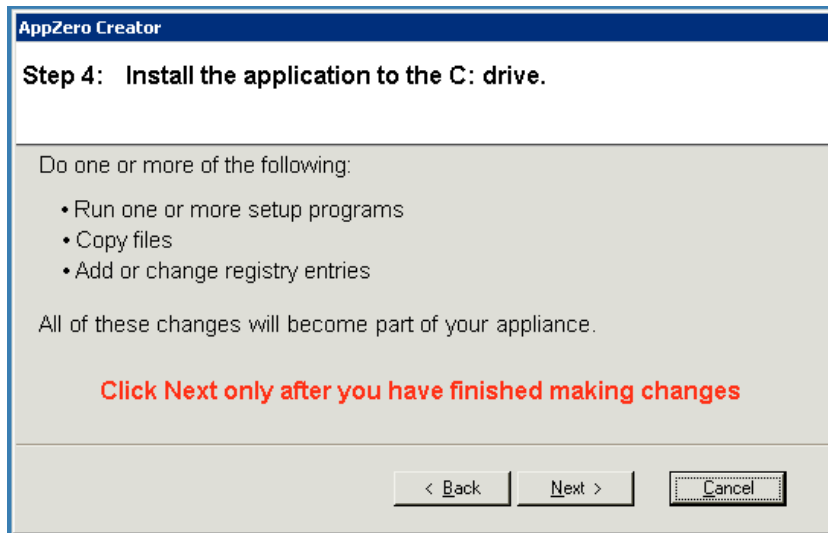
Snapshot File Name:

Snapshot File Location: ...

Select a saved snapshot ...

< Back Next > Cancel

The initial snapshot is created and the following window appears:



Important: Do not click Next or close this window. This window must remain open while you install Oracle WebLogic Server 10.3.

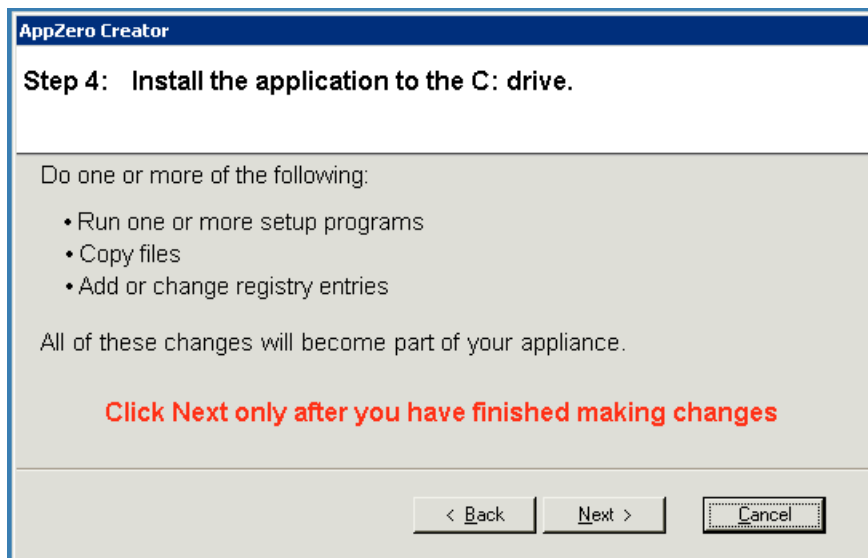
All of the changes that you make from this point will become part of the VAA.

5. Install Oracle WebLogic Server 10.3 on the source computer's C: drive.

For information about installing Oracle WebLogic Server 10.3, see Appendix A.

Once the Oracle WebLogic Server 10.3 installation is complete, you are ready to create the final snapshot.

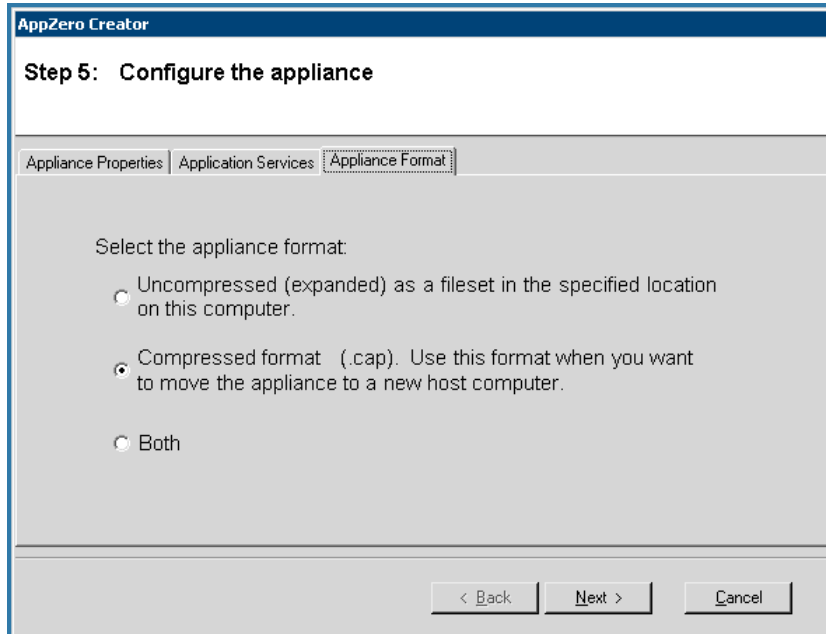
6. Locate the AppZero window, and then click **Next**.



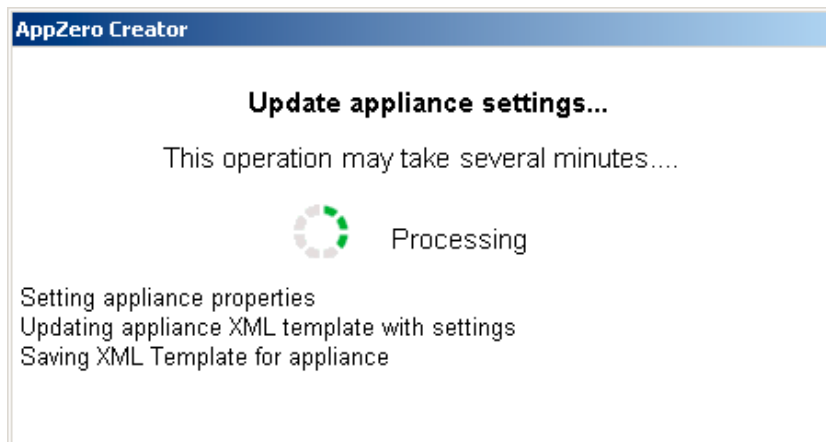
VAA Creator takes the final snapshot and compares the initial and final snapshots to create the VAA.

Important: Do not change or add files to the computer while this process is running. This includes using the web browser.

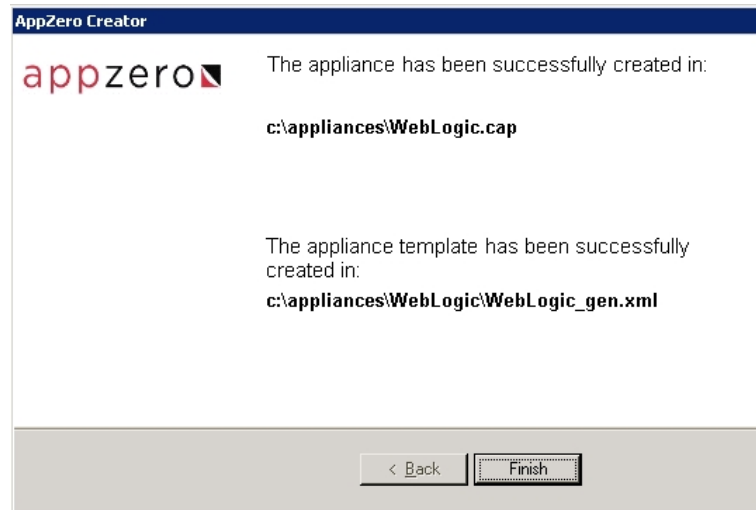
7. In the Appliance Format tab of the Configure the Appliance window, select Compressed to save the VAA as a .cap file so that you can easily move the VAA to the target host.



8. Click **Next** and wait for AppZero to finish processing the VAA.



When the processing is completed, the following window appears:



9. Click **Finish**.

Moving the VAA

To move a VAA to the target host, you must move the compressed VAA (WebLogic.cap). Then, you must uncompress the file to begin using the VAA. One of the reasons for compressing the VAA is to preserve the short file names of the files in the VAA as they exist on the source computer.

Note: Do not use a third party file compression application to compress the VAA.

1. Move the WebLogic.cap file to the C:\appliances directory on the target host.
2. In the Command Prompt window, change to the AppZero folder.

```
cd C:\Program Files\AppZero
```

3. Uncompress the .cap file.

```
uncompress C:\appliances\WebLogic.cap
```

Testing the VAA

Before you test the VAA, make sure that the environment on the target host where you will be running the test is configured to meet the configuration requirements for Oracle WebLogic Server 10.3 in the VAA.

To test the VAA

1. On the target host, create a new entry in C:\Windows\System32\drivers\etc\hosts with a localhost whose name matches that of the source host. For example, if the name of the source host is "VAA", the entry would look like:

```
127.0.0.1          VAA
```

2. On the target host, at the command prompt, change to the AppZero directory. By default, C:\Program Files\AppZero.
3. At the command prompt, type the following:

```
dock C:\appliances\WebLogic
```

4. Launch a WebLogic Console:

```
appzrun C:\appliances\WebLogic C:\bea\wlserver_10.3\common\bin\consolew.exe /k
```

You can run various services from within the WebLogic Console. Sample instructions are provided for the services. Make sure that all services are stopped before starting another:

Start PointBase

```
C:\bea\wlserver_10.3\common\bin\consolew.exe /k  
"C:\bea\wlserver_10.3\common\eval\pointbase\tools\startPointBase.cmd"
```

Opening PointBase Console (Connect to DB as User: examples, Password: examples)

```
C:\bea\wlserver_10.3\common\bin\consolew.exe /k  
"C:\bea\wlserver_10.3\samples\domains\wl_server\bin\startPointBaseConsole.cmd"
```

Stopping PointBase

Type Ctrl-C in the PointBase command windows, or close the window

Starting Examples Server

The IE Window opens automatically once server starts.

Note: Use "weblogic" for the user name and password if you start/stop the Administrative Console.

```
C:\bea\wlserver_10.3\common\bin\consolew.exe /k  
"C:\bea\wlserver_10.3\samples\domains\wl_server\bin\startWebLogic.cmd"
```

Stopping Examples Server

```
C:\bea\wlserver_10.3\common\bin\consolew.exe /k  
"C:\bea\wlserver_10.3\samples\domains\wl_server\bin\stopWebLogic.cmd"
```

Starting Medical Records (IE Window will open automatically once server starts)

```
C:\bea\wlserver_10.3\common\bin\consolew.exe /k  
"C:\bea\wlserver_10.3\samples\domains\medrec\bin\startWebLogic.cmd"
```

Stopping Medical Records

```
C:\bea\wlserver_10.3\common\bin\consolew.exe /k  
"C:\bea\wlserver_10.3\samples\domains\medrec\bin\stopWebLogic.cmd"
```

Configuration Wizard

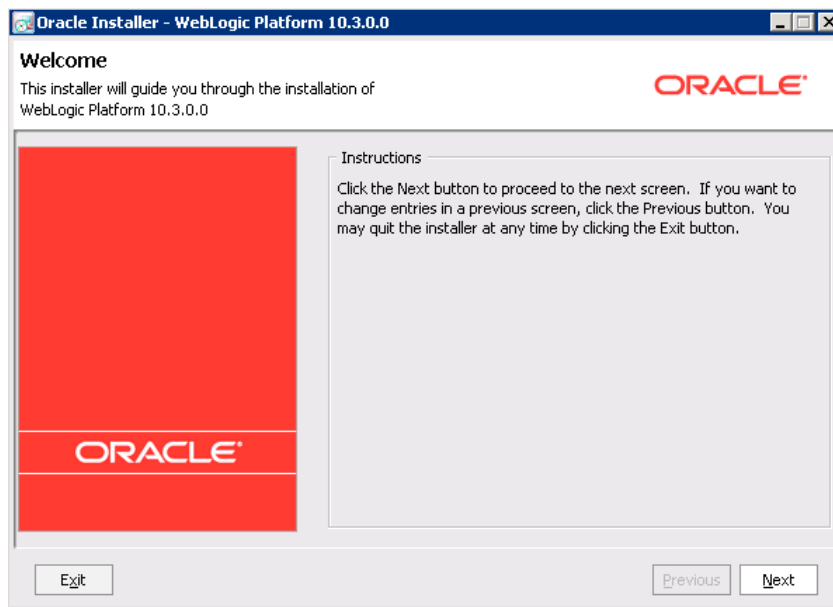
```
C:\bea\wlserver_10.3\common\bin\config.exe
```

Starting Workshop

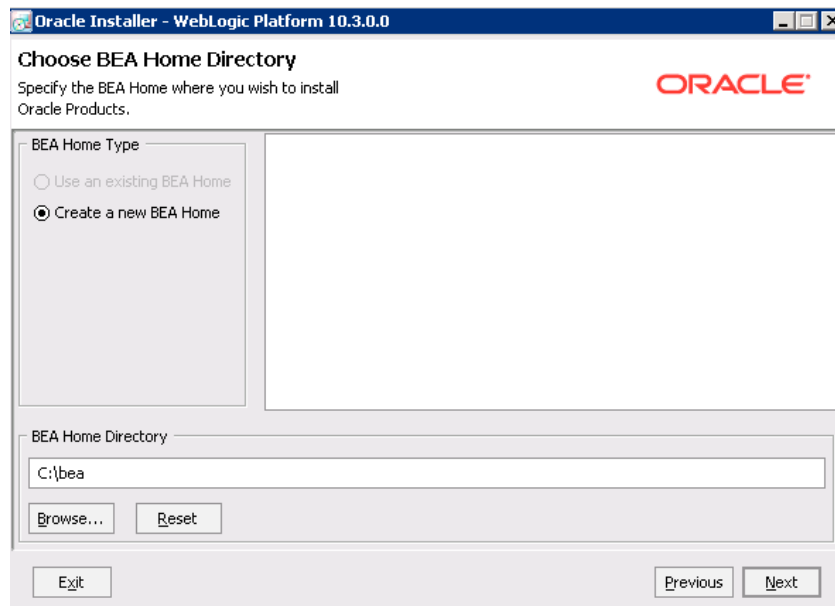
```
C:\bea\workshop_10.3\workshop.exe
```

Appendix A: Installing Oracle WebLogic Server 10.3

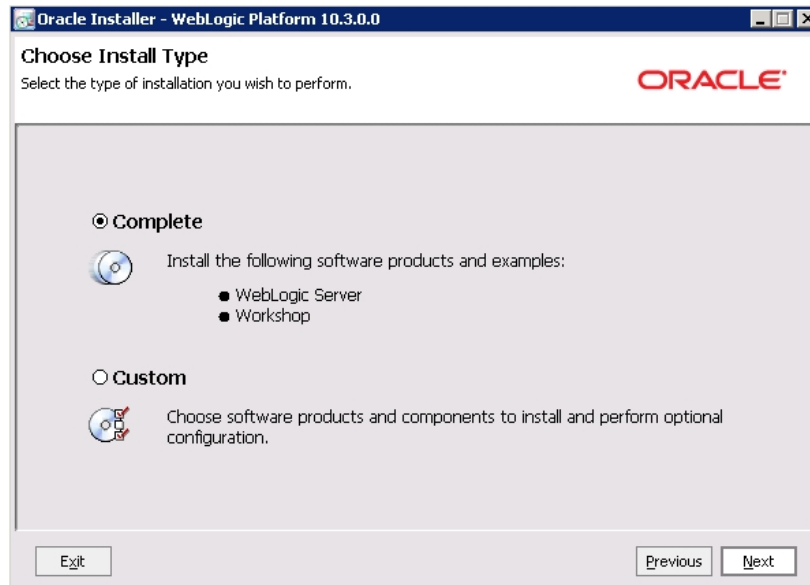
1. Start the server103_win32.exe installer, and then click **Next**.



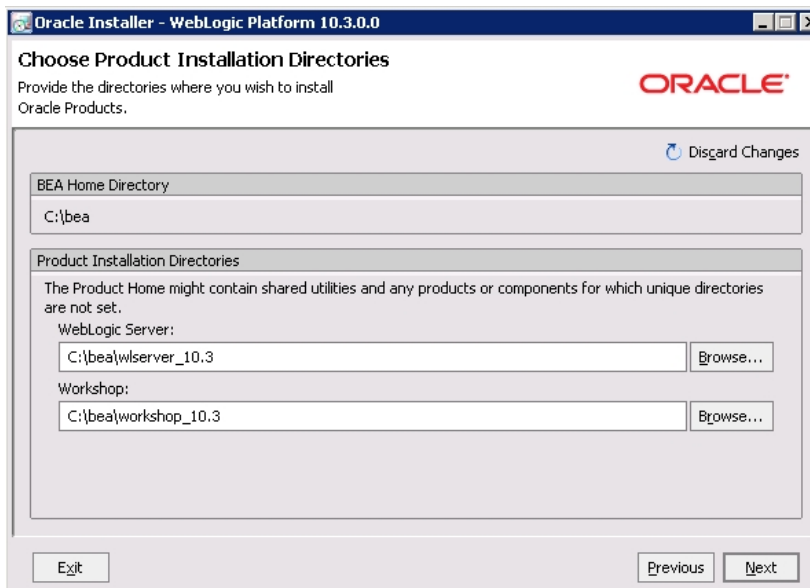
2. Click **Next**.



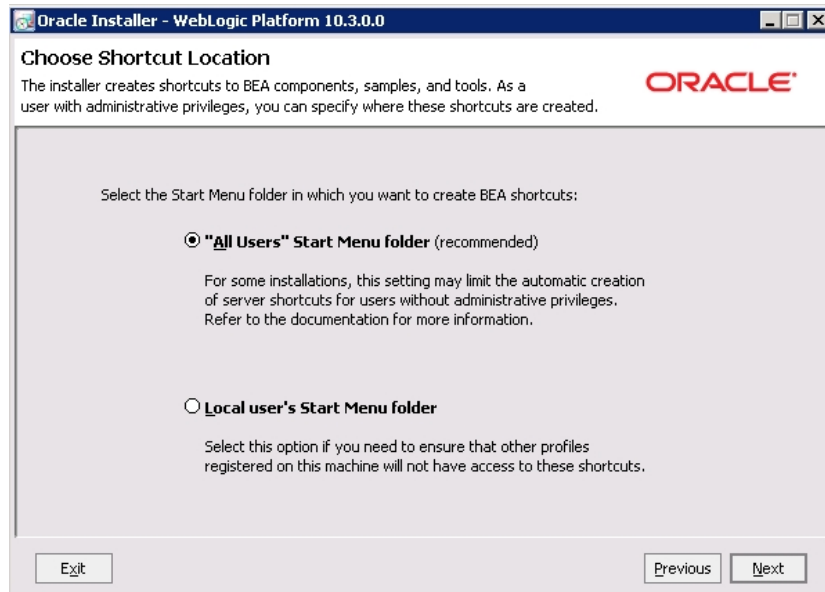
3. Click **Next**.



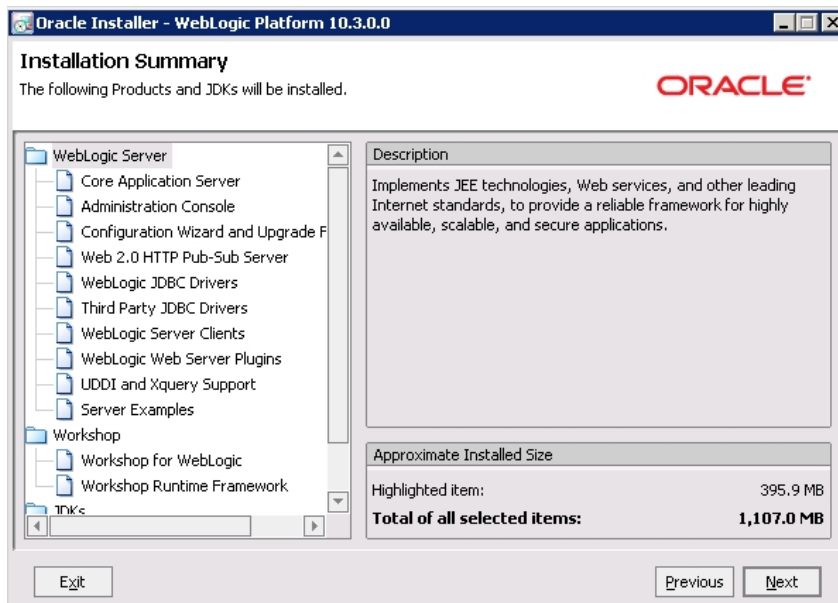
4. Click **Next**.



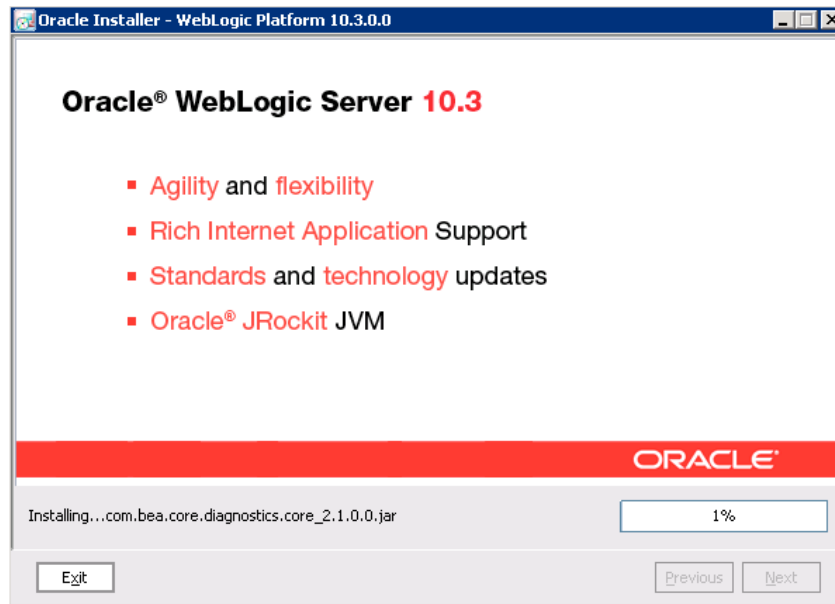
5. Click **Next**.



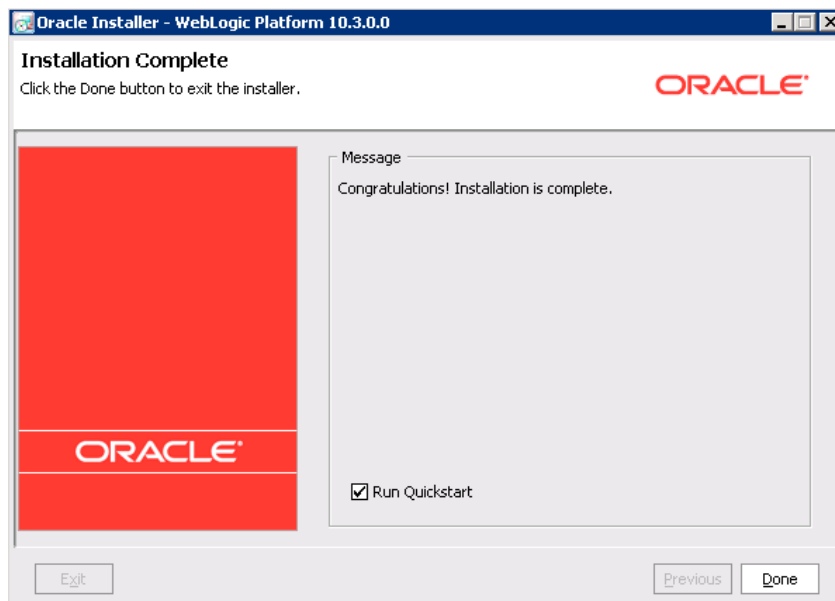
6. Click **Next**.



7. Click **Next** after the installation is complete.



8. Click **Done**.



9. Close the QuickStart window.

