

Oracle WebCenter Portal 12c R2 Virtual Machine

CONFIGURING AND RUNNING THE VIRTUAL MACHINE



ORACLE WEBCENTER PORTAL VIRTUAL MACHINE

Includes fully configured:

- Oracle WebCenter Portal
- Oracle WebCenter Content with Framework Folders
- Inbound Refinery service
- Oracle JDeveloper
- Getting Started Portal

Announcing the availability of Oracle WebCenter Portal 12c R2 Virtual Machine based on Linux x86-64-bit platform. It includes everything you need to learn about the R2 release and try it out.

System Requirements

Component	Requirement
Operating System	Microsoft Windows 7 64 bit or Linux 64 bit
Memory	At least 16GB RAM
Hard disk	50GB free disk space + 30GB temporary space during Virtual Machine (VM) import
Virtual Machine Server	Oracle VirtualBox 4.3.26 or higher VirtualBox extensions are already installed on the VM

Downloading the Virtual Machine

The virtual machine is available as an appliance (.OVA file). Import the .OVA file into Oracle VirtualBox.

1. Download the file—

- Appliance OVA file (approx. 16GB): `OracleWebCenterPortal12cR2.ova`
- MD5 Checksum: `OracleWebCenterPortal12cR2.ova.md5`

2. [Download the checksum tool](#) that is built for your platform.

3. Verify that files are valid by checking their checksum

```
md5sum -c OracleWebCenterPortal12cR2.ova.md5.
```

Importing and Starting the Virtual Machine

Import the appliance into Oracle VirtualBox (File → Import Appliance...). This takes around 40 minutes.

The VM has one virtual hard drive. Ensure that the drive/mount point specified by the Virtual Disk Image (see Figure 1) has at least 60GB free disk space.








Description	Configuration
 Sound Card	<input checked="" type="checkbox"/> ICH AC97
 Network Adapter	<input checked="" type="checkbox"/> PCnet-PCII (Am79C970A)
 Hard Disk Controller (IDE)	PIIX4
 Hard Disk Controller (IDE)	PIIX4
 Hard Disk Controller (SATA)	AHCI
 Virtual Disk Image	C:\VM\Oracle WebCenter Portal 12c R2 (1...

Figure 1 - Importing the virtual machine

For more information on importing an appliance into VirtualBox, refer its [online help](#).

Note: [Share a folder](#) on the host machine so that it is available in the VM; this is a convenient way to share files between the VM and the host machine (Machine Settings → Shared Folders → ). The shared host machine folder will appear under the /media folder in the VM.

Starting the Virtual Machine

Start the virtual machine from VirtualBox, and log on as `oracle` (password: `oracle`). The hostname of the VM is `wcpl2cr2`.

Installation Details

Credentials

Component	User Name	Password
Linux user	oracle	oracle
Linux root	root	oracle
WebLogic Server Admin	weblogic	welcome1
WebCenter Portal	weblogic	welcome1
WebCenter Content	weblogic	welcome1
Database admin	system	welcome1

Starting/Stopping Services

The VM comes configured with all the software you need to run WebCenter Portal. Use the command line tool to start/stop services:

```
$ /oracle/scripts/vmctl.sh
```

This starts a self-explanatory and interactive shell where the services can be controlled. It is recommended to run all the services (Option 2). Use Option 4 and Option 3 during iterative development wherein you may need to restart the Portal server alone.

Alternatively, you can stop or start individual services with Oracle WebLogic console. Access details are available in the section, [URLs of Various Services](#).

Starting Oracle JDeveloper

Before you start JDeveloper, Gnome must be running. After Gnome is running, you can start Oracle JDeveloper with the command:

```
$ /oracle/jdeveloper/jdeveloper/jdev/bin/jdev
```

You can also start JDeveloper by clicking its icon on the application launcher toolbar (Figure 2).



Figure 2 - Icon to launch JDeveloper in Gnome

URLs of Various Services

OHS is configured on port 7777, and various services are available at the URLs given below.

Component	URL
Weblogic Admin server	http://wcpl2cr2:7777/console
WebCenter Portal	http://wcpl2cr2:7777/webcenter
WebCenter Content	http://wcpl2cr2:7777/cs
Getting Started Portal	http://wcpl2cr2:7777/webcenter/portal/starter
Enterprise Manager	http://wcpl2cr2:7777/em

Port forwarding is configured on the VM to allow access to these services from the host machine (with NAT configuration) and from outside the host machine (if Bridged Adapter is configured). (Devices → Network → Network Settings... → Port Forwarding). If you encounter conflicts with the assigned ports on the host system, you can change the assignments in the **Host Port** column (Figure 3).

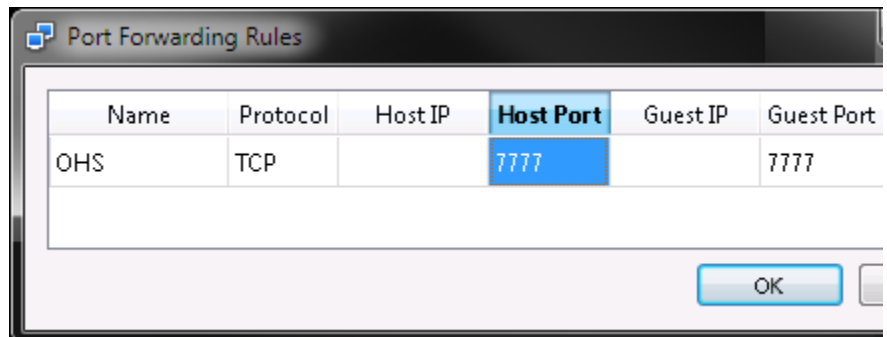


Figure 3 - Screen grab showing port forwarding

Location of Components in the VM

Component	Location
Oracle Fusion Middleware home	/oracle/fmw
Domain home	/oracle/domains/webcenter

Oracle WebCenter Portal Install	/oracle/fmw/wcp12c/wcportal
Oracle WebCenter Content Install	/oracle/fmw/wcp12c/wccontent
Oracle HTTP Server Install	/oracle/fmw/ohs
Oracle JDeveloper	/oracle/jdeveloper
Oracle Database Home	/oracle/db/ohome

Setting up the Host Machine to Access Oracle WebCenter Portal

The Virtual Machine's network settings are configured to allow services to be accessed from the host machine (on which the virtual machine is running). The URLs can be accessed from the host machine's browser:

1. Launch Windows Notepad as an Administrator.
2. Open `C:\Windows\System32\drivers\etc\hosts`
3. At the bottom of the file, add

```
127.0.0.1    wcp12cr2
```
4. Save the file.
5. (Optional) Run

```
ipconfig /flushdns
```

You can also access the services running in the VM from other computers. Use the *Bridged Adapter* option in the VM's network settings. Replace the placeholder (commented out entry) in the VM's `/etc/hosts` file with the VM's IP address.

Installing and Configuring Bundle Patches on the VM





This VM provides WebCenter Portal 12c R2 (12.2.1). Oracle releases periodic bundle patches (BPs) subsequent to the product release. They are cumulative patches so you only need to install the latest. If you wish to apply the latest patch to this VM, you can refer to the Oracle Support website <http://support.oracle.com>.

CONTACT US

For more information about Oracle WebCenter Portal, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

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