

Installing VirtualCenter on Linux

VirtualCenter 2.5 Technical Preview

This document describes how to install a technical preview of the Linux version of VirtualCenter server. The intended audience is developers, system administrators, and managers interested in using VirtualCenter on a Linux operating system.



CAUTION Do not use this version of VirtualCenter on Linux for production purposes. This release is for evaluation purposes only.

Use VirtualCenter on Linux to manage your virtualization hosts (ESX Server, ESX Server 3i), the host's resources, and their resident virtual machines. Topics are grouped into subject areas as follows:

- ["Introduction to VirtualCenter on Linux"](#) on page 2
 - ["Requirements for Installing VirtualCenter on Linux"](#) on page 2
 - ["Requirements for Using VirtualCenter on Linux"](#) on page 2
 - ["Related Documentation"](#) on page 2
 - ["Understanding the VirtualCenter on Linux Virtual Appliance"](#) on page 2
 - ["Supported Functionality with VirtualCenter on Linux"](#) on page 3
- ["Installation of VirtualCenter on Linux"](#) on page 3
 - ["Installation Overview"](#) on page 4
 - ["Choosing a Virtualization Platform"](#) on page 4
 - ["Downloading VirtualCenter on Linux"](#) on page 5
 - ["Deploying VirtualCenter on Linux"](#) on page 5
 - ["Preparing to Install VirtualCenter on Linux"](#) on page 6
 - ["Installing VirtualCenter on Linux"](#) on page 6
- ["Viewing and Modifying VirtualCenter on Linux"](#) on page 9
 - ["VirtualCenter on Linux Web Home Page"](#) on page 9
 - ["Installing the VI Client"](#) on page 10
 - ["Logging In to and Out of VirtualCenter on Linux"](#) on page 11
 - ["Starting and Stopping VirtualCenter on Linux"](#) on page 11
 - ["Modifying NIS Authentication"](#) on page 12
 - ["Editing Database Connection Information"](#) on page 13
- ["Reference Logs and Commands for VirtualCenter on Linux"](#) on page 14

Introduction to VirtualCenter on Linux

This section provides brief descriptions of and requirements for VirtualCenter on Linux and a description of virtual appliances.

- [“Requirements for Installing VirtualCenter on Linux”](#) on page 2
- [“Requirements for Using VirtualCenter on Linux”](#) on page 2
- [“Related Documentation”](#) on page 2
- [“Understanding the VirtualCenter on Linux Virtual Appliance”](#) on page 2
- [“Supported Functionality with VirtualCenter on Linux”](#) on page 3

Requirements for Installing VirtualCenter on Linux

Installing VirtualCenter on Linux requires the following items:

- VirtualCenter on Linux appliance
- Virtualization platform, which can be any of the following:
 - ESX Server 3.5 or later
 - ESX Server 3i version 3.5 or later
 - Workstation 5.5 or later
 - VMware Player 2.0 or later
 - VMware Server 2.0 or later
- Oracle database, version 10 or later
- Browser with a network connection

Requirements for Using VirtualCenter on Linux

To use VirtualCenter on Linux after you have installed it, you must have:

- Met the VirtualCenter installed on Windows requirements. To review these requirements see the *ESX Server 3 and VirtualCenter Installation Guide*, http://www.vmware.com/support/pubs/vi_pubs.html.
- VMware Infrastructure Client (VI Client), installed on a Windows operations system machine. The VI Client is included with the VirtualCenter on Linux appliance.

Related Documentation

For additional information on configuring, and using VirtualCenter, ESX Server or ESX Server 3i, and the VI Client, see the documentation available at http://www.vmware.com/support/pubs/vi_pubs.html.

- To learn about our main documentation set, see the Documentation Roadmap
- To search all the books in the set for the information you need, see the VMware Infrastructure 3 Online Library.

Understanding the VirtualCenter on Linux Virtual Appliance

Virtual appliances are prebuilt software, that consists of one or more virtual machines that are packaged, updated, maintained, and managed as a unit. A virtual appliance contains a streamlined operating system called Just Enough Operating System (JEOS), and an application tailored to the specific needs of the installation.

A virtual appliance is treated as a virtual machine, it runs on a virtualization platform, such as ESX Server or ESX Server 3i.

The VirtualCenter on Linux appliance uses Red Hat Community Enterprise Operating System (CentOS), version 5, as the base operating system. VirtualCenter on Linux is based on VMware VirtualCenter server, version 3.5. VirtualCenter has been modified to operate on a Linux operating system.

For information on virtual appliances see the VMware Virtual Appliance Studio API and associated documentation, which can be found at <http://www.vmware.com/support/developer/studio>.

Supported Functionality with VirtualCenter on Linux

VirtualCenter on Linux supports the same functionality as VirtualCenter installed on Windows. Windows-specific functionality is replaced with corresponding Linux functionality.

Unsupported VirtualCenter Server Components

The technical preview version of VirtualCenter on Linux does not support the following VirtualCenter server components:

- Embedded database
- LDAP support
- Virtual machine customizations
- Plug-in support
- Virtual Infrastructure Web Access

Unsupported VirtualCenter Server Features

The technical preview version of VirtualCenter on Linux does not support the following VirtualCenter features and associated products:

- Monitoring
- Alarms
- Schedule tasks
- Topology maps
- Update Manager
- Site Recovery Manager (SRM)
- Getting Started tab
- Converter Enterprise
- Guided consolidation

Installation of VirtualCenter on Linux

This section describes the tasks and provides the steps for installing the VirtualCenter on Linux virtual appliance.

- [“Installation Overview”](#) on page 4
- [“Choosing a Virtualization Platform”](#) on page 4
- [“Downloading VirtualCenter on Linux”](#) on page 5
- [“Deploying VirtualCenter on Linux”](#) on page 5
- [“Preparing to Install VirtualCenter on Linux”](#) on page 6
- [“Installing VirtualCenter on Linux”](#) on page 6

Installation Overview

The following briefly describes the significant steps required to install VirtualCenter on Linux.

To install the VirtualCenter on Linux virtual appliance

- 1 Install a virtualization platform (ESX Server, ESX Server 3i, Workstation, VMware Player, VMware Server).
See [“Choosing a Virtualization Platform”](#) on page 4.
- 2 Download the VirtualCenter on Linux virtual appliance from the VMware Web site as directed by your VMware representative.
The virtual appliance is distributed as either a ZIP file or an OVF file. See [“Downloading VirtualCenter on Linux”](#) on page 5.
- 3 Expand the ZIP or import the OVF file.
The virtual appliance files are expanded into one or more virtual machines with all associated files. See [“Downloading VirtualCenter on Linux”](#) on page 5.
Review the Read Me or Getting Started file in that directory. Note the default user name and password, plus any other pointers about configuring your appliance during its first boot
- 4 Start the virtualization platform and add the VirtualCenter on Linux virtual machine to the list of managed virtual machines.
See [“Deploying VirtualCenter on Linux”](#) on page 5
- 5 From the virtualization platform, start the VirtualCenter on Linux virtual appliance.
See [“Installing VirtualCenter on Linux”](#) on page 6.
The operating system and then the application (VirtualCenter on Linux) start automatically for the initial configuration.
- 6 Copy the ODBC drivers on your appliance and restart your virtual appliance.
See [“Installing the VI Client”](#) on page 10.
- 7 Answer the required initial configuration prompts. Note the assigned IP address.
See [“Installing VirtualCenter on Linux”](#) on page 6.
The appliance is up and running.

Choosing a Virtualization Platform

Your virtual appliance runs in a virtualized environment. If you do not already have a VMware virtualization solution installed, choose from the options:

- VMware ESX Server, ESX Server 3i
- VMware Workstation
- VMware Player
- VMware Server

Downloading VirtualCenter on Linux

After you have set up your virtualized environment, browse the VMware Virtual Appliance Marketplace to locate the VirtualCenter on Linux virtual appliance.

To download the VirtualCenter on Linux virtual appliance

- 1 Contact your VMware representative for access information to VirtualCenter on Linux.
- 2 Locate the virtual appliance.
- 3 Select the appropriate download format. The choices are: OVF and ZIP.
 - Open Virtualization Format (OVF) — is an industry standard format for platform independent, efficient, extensible, and open packaging and distribution of virtual machines. To run the virtual appliance on ESX Server 3i you must use an OVF virtual appliance file. The VI Client provides an import virtual appliance workflow that guides you in deploying virtual appliances in OVF format.
 - ZIP — is an industry standard format that can run directly on VMware hosted virtualization platforms: Workstation, VMware Server, and VMware Player.
- 4 Download the selected file(s) to an appropriate machine.
 - If you are using ESX Server or ESX Server 3i, download the virtual appliance OVF file to a machine that is networked to your virtualization platform.
 - If you are using Workstation, VMware Player, or VMware Server, download the virtual appliance ZIP file to either a networked location or directly onto the host of the virtualization platform.

Downloading the Oracle ODBC Client Packages

VirtualCenter on Linux requires an Oracle database. The following procedure describes how to download the Oracle Database Client (ODBC) packages that are used later in the installation.

To download the Oracle ODBC client packages

- 1 Open your browser and go to the Oracle Web site at <http://www.oracle.com/technology/software/tech/oci/instantclient/htdocs/linuxsoft.html>
- 2 Select the Accept License Agreement radio button at the top of the page.
- 3 Download the following packages (Use version 10.2.0.3):
 - Instance Client Package — ODBC: `instantclient-odbc-linux32-10.2.0.3-20061115.zip`
 - Instant Client Package — Basic: `instantclient-basic-linux32-10.2.0.3-20061115.zip`

Deploying VirtualCenter on Linux

To deploy a virtual appliance, open the virtualization platform and add the virtual appliance virtual machine to the control of the virtualization platform. Select the appropriate deploying method for the file type (OVF, ZIP) and virtualization platform.

Deploying a Virtual Appliance on VMware ESX Server 3i

Use the OVF file to install the VirtualCenter on Linux virtual appliance on ESX Server 3i.

To deploy a virtual appliance as an OVF file

- 1 Open the VI Client that is provided with ESX Server 3i.
- 2 From the File menu, select Virtual Appliance.
- 3 Select Import.
- 4 Select Import from file.
- 5 Click Browse and select the OVF file containing your virtual appliance.

Deploying a Virtual Appliance on VMware Workstation, VMware Server, or VMware Player

Use the ZIP file to install the VirtualCenter on Linux virtual appliance on a supported hosted platform. The ZIP file contains a VMX file and one or more VMDK files.

To deploy your virtual appliance as a ZIP file

- 1 Unzip the file.
- 2 Review the `Read Me` or `Getting Started` file in that directory.
Note the default user name and password and any other pointers about configuring your appliance during its first boot.
- 3 Start the virtualization platform (Workstation, VMware Server, or VMware Player).
- 4 Open the VMX file through the virtualization platform.

Preparing to Install VirtualCenter on Linux

When you are completing the installation and configuration of your VirtualCenter on Linux virtual appliance, you are prompted to configure the Network Information Services (NIS) network connection and the Oracle ODBC client connection. Gather the appropriate identification information:

- NIS connection — Optional during installation.
 - Domain
 - Server
- ODBC connection — Required during installation.
 - Instance
 - Server name
 - Username and password

After the initial configuration you can, at any time, use the VirtualCenter on Linux commands to modify the NIS and/or ODBC configuration.

Installing VirtualCenter on Linux

VirtualCenter on Linux is installed when you power on the VirtualCenter on Linux virtual appliance for the first time.

To install and configure the virtual appliance

- 1 Start the virtualization platform.
- 2 Power on your virtual appliance virtual machine.
The VirtualCenter on Linux appliance virtual machine boots the Linux operating system, CentOS, automatically.
When the OS has completed the boot process, the virtual appliance displays the VirtualCenter on Linux configuration questions at the virtual machine command line.
- 3 Accept the terms of the EULA.
The End User License Agreement appears.
 - a Review the EULA.
You must scroll through the entire EULA before accepting the conditions of the EULA. Press the Spacebar to view one screen at a time.

- b Type **yes** at the prompt and press Enter.
- Do you agree with the terms of the End User License Agreement?
yes/no [no]:
- Type the whole word. Pressing Enter accepts the default, no.
- 4 (Optionally) Specify an NIS connection.
- To skip setting an Network Information Services (NIS) connection:
Type **n** at the prompt and press Enter.
The prompt for the connecting ODBC appears.
 - To establish the NIS connection now.
 - i Type **y** at the prompt and press Enter.

```
** Virtual Appliance Authentication Configuration
   NIS Status : disabled
Do you want to enable NIS? [y/N]:
```

 Type the letter. Pressing Enter accepts the default, N.
 - ii Type the NIS domain name at the prompt and press Enter.

```
Enabling NIS Authentication
NIS domain:
```
 - iii Type the NIS server name at the prompt and press Enter.

```
NIS server:
```
 - iv Verify the NIS identification information. Type **y** and press Enter.

```
You have entered the following information
NIS domain: <domain_name>
NIS server: <server_name>
Is this information correct: [Y/n]:
```

 Type the letter. Pressing Enter accepts the default, Y.
- 5 Access the login prompt, select the Login option from the menu.
- 6 Log in to the virtual machine console.
- At the prompt provide your username and password. See [“Logging In to and Out of VirtualCenter on Linux”](#) on page 11.
- VMware VirtualCenter on Linux
- You must complete the manual installation of the Oracle ODBC drivers.
- Please review the installation guide, and follow the instructions to manually install the Oracle ODBC drivers.
- The VirtualCenter on Linux server IP address is listed after the NIS action
- The username default is `root`
- The password default is `vmware`
- 7 Copy the ZIP files that you downloaded from Oracle into the `/root` directory of the appliance.
- There are several ways to copy a file into a virtual machine:
- Shared Folders
- Enable shared folders on this virtual appliance and copy the archive from the host machine. See your virtualization platform documentation for additional information.

- WGET

Use the command line tool `wget` to download the archive from a web server. At the command line, type the command:

```
wget [OPTION]... [URL]...
```

For example, to download the `index.html` page from a Website at <http://www.vmware.com> and save a copy of the file `index.html` to the current directory, type:

```
wget http://www.vmware.com/index.html
```

To obtain a copy of `wget` and view documentation for WGET, see: <http://www.gnu.org/software/wget>

- SCP

Use the command line tool `scp` to copy the archive from another machine that is running an `ssh` server. To copy the file named `file1` from `host1` to `host2` and name it `file2`, at the command line type:

```
scp user@host1:file1 user@host1:file2
```

Where—

`user@host1:file1` is source the path and name of the files to be downloaded.

`user@host1:file2` is target the path and name for the files to be copied to.

For example, if you are logged in to the VirtualCenter virtual appliance, and you want to copy a file from your root directory at `<servername>` to the VirtualCenter virtual appliance on your server. The following sample command copies the file, `foo.txt`, from a home directory at `<servername>` to the current directory.

```
scp <username>@<servername>:/home/<username>/foo.txt
```

- 8 Restart the appliance.

During the boot sequence, the appliance installs the Oracle ODBC drivers.

See “Starting and Stopping VirtualCenter on Linux” on page 11.

- 9 Specify ODBC client connection identification.

- a Type the database server host ip address and press Enter.

```
Virtual Appliance ODBC Configuration (For ORACLE only)
Database server host/ip:
```

- b Type the database instance name and press Enter.

```
Database instance name:
```

- c Type the database login and press Enter.

```
Database login id:
```

- d Type the database password and press Enter.

```
Database password:
```

- e Select the database. Type **yes** or **no** and press Enter.

```
. . .
Verifying ODBC settings ... SUCCESS!
Updating password in Vpxd registry
```

Depending upon the status of the database, the action either to initializes, reinitializes, or accepts the current database.

- f If the database already exists, answer the prompt:

```
Database already populated with version VirtualCenter Database 2.5u3
Reinitialize database? (WARNING: WILL DELETE ALL RECORDS) [y(es):N(O)]:
```

Type the letter or the word. Pressing Enter accepts the default, `no`.

10 Record the Network Configuration information.

Recording the network configuration is required each time you login to the VirtualCenter on Linux server.

VMware VirtualCenter on Linux

```
Current Network Configuration for <port>
IP Address: xxx.xxx.xxx.xxx
Netmask: xxx.xxx.xxx.xxx
Gateway: xxx.xxx.xxx.xxx
Hostname: xxx.xxx.xxx.xxx
DNS Servers: : xxx.xxx.xxx.xxx, : xxx.xxx.xxx.xxx
Proxy Server:
```

These parameters were configured from a DHCP server.

To configure a static IP address, or change any of these values, please browse to `https://: xxx.xxx.xxx.xxx:<port>`

Installation of your VirtualCenter on Linux virtual appliance is complete.

Viewing and Modifying VirtualCenter on Linux

This section describes how to view and modify VirtualCenter on Linux.

- [“VirtualCenter on Linux Web Home Page”](#) on page 9
- [“Installing the VI Client”](#) on page 10
- [“Logging In to and Out of VirtualCenter on Linux”](#) on page 11
- [“Starting and Stopping VirtualCenter on Linux”](#) on page 11
- [“Modifying NIS Authentication”](#) on page 12
- [“Editing Database Connection Information”](#) on page 13

VirtualCenter on Linux Web Home Page

The VirtualCenter on Linux Web home page provides links to useful information about using VirtualCenter on Linux. The home page also provides a link for downloading the VI Client.

To view the VirtualCenter home page

- 1 Make sure that your VirtualCenter on Linux virtual appliance is powered on.
- 2 Open a browser.
- 3 Enter VirtualCenter on Linux server IP Address.

This IP address was listed at the end of the virtual appliance installation.

In the browser address bar, type:

```
http://<serverIPAddress>
```

The VirtualCenter web view **Welcome** home page appears. From this page, you can download the VI Client or click the links to selected activities.

Installing the VI Client

If you do not have the VI Client installed, you can download it from the VirtualCenter appliance home page.

To install the VI Client

- 1 Download the VI Client.
- 2 From the VirtualCenter virtual appliance home web page, click the **Download Virtual Infrastructure Client**.
- 3 Select **Run** or **Save**.
 - If you select **Save**:
 - a Specify a path.
 - b Run the installation file `VMware-viclient.exe`.
 - The VI Client installation wizard appears.
 - c Answer the prompts.
 - If you select **Run**, answer the prompts when the VI Client installation wizard appears.
- 4 Select the language for the VI Client from the pull-down menu in the Choose Setup Language dialog box and click **OK**.
 - English (United States) is the default.
- 5 If a version of the VI Client is already installed, choose to upgrade and click **Yes**.
- 6 Follow prompts of the VI Client installation wizard to complete the installation.

To run the VI Client

- 1 Start the VI Client, select VI Client from the Start menu.
 - The VI Client login screen appears.
- 2 Enter the IP Address listed at end of the installation.
 - If you just completed the VirtualCenter on Linux installation, that server IP address appears in the Server field.
- 3 Enter the username and password. The installation default is:
 - Username: `root`
 - Password: `vmware`
- 4 If a certificate warning from Windows appears, click **Accept**.
- 5 If a security warning from the VirtualCenter server appears, click **Ignore**.
- 6 Select the VirtualCenter server license.
 - VirtualCenter on Linux is configured to function with an evaluation license. You have option to upgrade your VirtualCenter server at any time.
 - To upgrade the license, click Upgrade VirtualCenter server license and follow the prompts.
 - To continue using the evaluation license, select **Cancel**.

The VirtualCenter client appears. For information on using VirtualCenter and the VI Client, see the Virtual Infrastructure documentation for VirtualCenter and ESX Server, ESX Server 3i at http://www.vmware.com/support/pubs/vi_pubs.html.

Logging In to and Out of VirtualCenter on Linux

After you have installed VirtualCenter on Linux, the VirtualCenter server continues to operate unless you specifically shut down or power off the virtual appliance or the virtualization platform on which the VirtualCenter on Linux server is running. When you log in to or out of the VirtualCenter on Linux virtual appliance, the VirtualCenter server continues to run. Logging out does not shutdown the VirtualCenter on Linux server.

To log in to the VirtualCenter on Linux server

- 1 Type your login. The installation default is `root`.

```
VMware VirtualCenter on Linux
<server> login:
```

The VirtualCenter on Linux server IP address is listed when you completed the initial installation. The address also appears at the end of each power on process.

The username default is `root`

The password default is `vmware`



CAUTION If you power off the VirtualCenter on Linux virtual appliance your VirtualCenter on Linux server is shut down.

You can log out of the VirtualCenter on Linux server and the server continues to operate.

- 2 Type your password. The installation default is `vmware`.

```
Password:
```

When the username and password are accepted, the virtual appliance returns the VirtualCenter on Linux server prompt.

```
[root@<servername>]#
```

- 3 For additional security, change the password using standard Linux processes.

Open a VI Client and log in to the VirtualCenter on Linux server to manage your hosts, virtual machines, and resources.

For additional VMware Infrastructure documentation, see http://www.vmware.com/support/pubs/vi_pubs.html.

To log out of the VirtualCenter on Linux server

At the virtual appliance prompt, type:

```
exit
```

You are logged out of the VirtualCenter on Linux server.

Starting and Stopping VirtualCenter on Linux

The VirtualCenter on Linux virtual appliance command line commands are executable through the following options:

- VirtualCenter on Linux virtual appliance, the virtual machine window
- Any server connection application, such as Putty

Commands are provided to stop, start, restart, and check the running status of VirtualCenter on Linux when the virtual appliance is running.

To verify the running status of VirtualCenter on Linux

At the command line, type:

```
/etc/init.d/vmware-vpxd status
```

The response indicates running or not running, for example:

```
Vmware-vpxd is running
```

To start VirtualCenter on Linux

- 1 Start the virtualization platform where the VirtualCenter on Linux appliance is installed.
- 2 Select the VirtualCenter on Linux appliance and start the appliance virtual machine.
- 3 If VirtualCenter on Linux does not start automatically, at the command line, type:

```
/etc/init.d/vmware-vpxd start
```

The response is:

```
Starting vmware-vpxd: [OK]
```

To stop VirtualCenter on Linux

At the command line, type:

```
/etc/init.d/vmware-vpxd stop
```

The system issues the following response:

```
Stopping vmware-vpxd: [OK]
```



CAUTION If you power off the VirtualCenter on Linux virtual appliance your VirtualCenter on Linux server is shutdown.

You can log off the VirtualCenter on Linux server and the server continues to operate.

To restart VirtualCenter on Linux

At the virtual appliance command line, type:

```
/etc/init.d/vmware-vpxd restart
```

The response is:

```
Stopping vmware-vpxd: [OK]
```

```
Starting vmware-vpxd: [OK]
```

Modifying NIS Authentication

When you install VirtualCenter on Linux, if you are prompted to provide networking connection information. If you chose not to Enter the information, or you want to change the networking connection information, use the VirtualCenter on Linux server command, `vpxd_authconfig`.

To modify the NIS connection

- 1 Power on your VirtualCenter on Linux virtual appliance and, after boot has completed, log on to the VirtualCenter server.
- 2 At the server prompt, execute the NIS configuration command, press Enter:

```
vpxd_authconfig
```

If NIS is connected, the server response is:

```
NIS Status: enabled
```

```
Do you want to disable NIS: [y/N]:
```

- a Type **y** to disable. Press Enter.

NIS must be disabled before you can make changes to the NIS configuration. When you reenble the NIS configuration, Enter the information as needed.

- b Type the NIS configuration command again. Press Enter.

```
vpxd_authconfig
```

- 3 To confirm that you want to enable NIS connection, type **y** and press Enter.

```
NIS Status : disabled
Do you want to enable NIS? [y/N]:
```

Type the letter. Pressing Enter accepts the default, N.

- 4 Type the NIS domain name at the prompt and press Enter.

```
Enabling NIS Authentication
NIS domain:
```

- 5 Type the NIS server name at the prompt and press Enter.

```
NIS server:
```

- 6 Verify the NIS identification information. Type **y** and press Enter.

```
You have Entered the following information
NIS domain: <domain_name>
NIS server: <server_name>
Is this information correct: [Y/n]:
```

Type the letter. Pressing Enter accepts the default, Y.

Editing Database Connection Information

When you install VirtualCenter on Linux, you are prompted to provide Oracle ODBC client connection information. Use the VirtualCenter on Linux server command, `vpxd_odbcconfig`.

To specify ODBC client connection identification.

- 1 Power on your VirtualCenter on Linux virtual appliance and after boot has completed, log on to the VirtualCenter server.

- 2 At the server prompt, execute the ODBC configuration command and press Enter:

```
Vpxd-odbcconfig
```

- 3 Type the database server host ip address and press Enter.

```
Virtual Appliance ODBC Configuration (For ORACLE only)
Database server host/ip:
```

- 4 Type the database instance name and press Enter.

```
Database instance name:
```

- 5 Type the database login and press Enter.

```
Database login id:
```

- 6 Type the database password and press Enter.

```
Database password:
```

- 7 Verify the database password, type the password again and press Enter.

```
Database password again:
```

- 8 Select to initialize, reinitialize, or accept the current database. Type **yes** or **no** and press Enter.

```
. . .
Verifying ODBC settings ... SUCCESS!
Updating password in Vpxd registry
```

- 9 If the database already exists, answer the prompt:

```
Database already populated with version VirtualCenter Database 2.5u3
Reinitialize database? (WARNING: WILL DELETE ALL RECORDS) [y(es):N(O)]:
```

Type the letter or the word. Pressing Enter accepts the default, no.

- Type **yes**, to initialize the database and removes all existing stored database information.

- Type **no**, to retain the existing database.

OK, preserving the database.

When completed, the VirtualCenter server command prompt appears.

Reference Logs and Commands for VirtualCenter on Linux

This section provides a reference list of the logs and commands available with VirtualCenter on Linux.

The VirtualCenter on Linux server log file is at:

```
/var/log/vmware/vpx/vpxd.log
```

The VirtualCenter on Linux configuration file is at:

```
/etc/vmware-vpx/vpxd.cfg
```

The VirtualCenter on Linux commands are:

- `vpxd_authconfig`

Use this command to modify the NIS networking connection. See “[Modifying NIS Authentication](#)” on page 12.

- `vpxdva_odbconfig`

Use this command to modify the Oracle ODBC client connection. See “[Editing Database Connection Information](#)” on page 13.

- `/etc/init.d/vmware-vpx [status|stop|start|restart]`

Use this command to start, stop, restart, check status, or generate certificates for VirtualCenter on Linux server. The following is a sample response for options for this command. See “[Starting and Stopping VirtualCenter on Linux](#)” on page 11.

```
/etc/init.d/vmware-vpxd status
Vmware-vpxd is running
```

```
/etc/init.d/vmware-vpxd stop
Stopping vmware-vpxd: [OK]
```

```
/etc/init.d/vmware-vpxd start
Starting vmware-vpxd: [OK]
```

```
/etc/init.d/vmware-vpxd restart
Stopping vmware-vpxd: [OK]
Starting vmware-vpxd: [OK]
```

If you have comments about this documentation, submit your feedback to: docfeedback@vmware.com

VMware, Inc. 3401 Hillview Ave., Palo Alto, CA 94304 www.vmware.com

Copyright © 2009 VMware, Inc. All rights reserved. This product is protected by U.S. and international copyright and intellectual property laws. VMware products are covered by one or more patents listed at <http://www.vmware.com/go/patents>. VMware, the VMware “boxes” logo and design, Virtual SMP, and VMotion are registered trademarks or trademarks of VMware, Inc. in the United States and/or other jurisdictions. All other marks and names mentioned herein may be trademarks of their respective companies.

Item: EN-000163-00
