

OpenServer™ 5.0.7V for VMware® Virtual Appliance Getting Started Guide

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OPENSERVR™ 5.0.7V FOR VMWARE® VIRTUAL APPLIANCE GETTING STARTED GUIDE

A NEW COMPANY

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A New Company

OpenServer 5.0.7V Version 3 is the first of many new products that will be coming from UnXis, Inc., a new company with a vision to develop the full potential of UNIX technology for businesses worldwide. UnXis has acquired the OpenServer and UnixWare operating system businesses with the intent of returning to, and building upon, the long tradition of offering rock solid UNIX system software to the IT market.

During the new company's startup period, we will continue to use the known domain for downloads, technical support and related purposes.

About this book

This book introduces the reader to the OpenServer™ Release 5.0.7V for VMware Virtual Appliance. It provides the information you need to import and configure an OpenServer Virtual Machine on a supported VMware platform.

You will find the information you need more quickly if you are familiar with:

- [how this book is organized](#)

Customers wishing to upgrade an earlier version of OpenServer 5.0.7V for VMware or OpenServer 5.0.7 virtual machine to Version 3.0.0 should follow the instructions in the *OpenServer 5.0.7V Upgrade Supplement Getting Started Guide*

How this book is organized

After introducing the [OpenServer 5.0.7V product](#), this book describes how to:

- [prepare to import](#) your OpenServer 5.0.7V product
- [import](#) OpenServer 5.0.7V into your VMware system

- proceed with [system configuration and registration](#) after importing OpenServer 5.0.7V
- locate [additional information and known issues](#) related to OpenServer 5.0.7V

This Getting Started Guide describes OpenServer 5.0.7V Version 3.0.0 for VMware.

How can we improve this book?

What did you find particularly helpful in this book? Are there mistakes in this book? Could it be organized more usefully? Did we leave out information you need or include unnecessary material?

If so, please tell us by providing your feedback under the Documentation category. To help us implement your suggestions, include as much relevant detail as possible.

About OpenServer Release 5.0.7V for VMware

OpenServer 5.0.7V for VMware is a version of OpenServer 5.0.7 optimized to run on [supported VMware platforms](#). This chapter describes:

- [OpenServer 5.0.7V for VMware](#)
- [the contents of the OpenServer 5.0.7V downloads](#)
- [the OpenServer 5.0.7V Documentation](#)
- [OpenServer 5.0.7V Hardware support](#)
- [OpenServer 5.0.7V Licenses](#)

OpenServer 5.0.7V for VMware

OpenServer 5.0.7V for VMware is an optimized version of the OpenServer 5.0.7 Enterprise System that is supported on selected [VMware platforms](#).

OpenServer 5.0.7V Version 3.0.0 for VMware is delivered as a pre-installed Virtual Appliance that includes the following major components:

- OpenServer Release 5.0.7 Enterprise Edition
- OpenServer Release 5.0.7 Supplement CD 5
- OpenServer Release 5.0.7V Virtualization Extensions
- vmtools - VMware Tools

OpenServer 5.0.7V Media and Downloads

OpenServer 5.0.7V is made available as a set of images to download from the UnXis Support Download Web Site

The [UnXis Support Download Web Site](#) contains:

- An ISO image of the OpenServer 5.0.7V Version 3.0.0 Virtual Appliance for VMware
- An ISO image of the OpenServer 5.0.7V Version 3.0.0 Virtual Machine for Microsoft Hyper-V
- An ISO image of the OpenServer 5.0.7V Version 3.0.0 Upgrade Supplement
- Getting Started Guides in HTML format for each of the above
- OpenServer 5.0.7V Version 3.0.0 Release Notes

This Getting Started Guide is for the OpenServer 5.0.7V Version 3.0.0 Virtual Appliance for VMware.

OpenServer 5.0.7V for VMware Documentation

The OpenServer 5.0.7V for VMware documentation includes

- The OpenServer 5.0.7V for VMware Getting Started Guide (this document)
- The OpenServer 5.0.7V Version 3.0.0 Release Notes

For additional documentation please see:

The generic OpenServer 5.0.7 system documentation

The UnXis Technical Article Knowledge Center

Note that the OpenServer 5.0.7V Virtual Appliance also comes with a pre-built DocView search index for conveniently viewing the system documentation on the installed appliance. If you install either the French or German Language Supplements then you will need to rebuild the search index.

OpenServer 5.0.7V Hardware Support

OpenServer 5.0.7V for VMware runs as a Virtual Machine on top of a [supported VMware platform](#) and does not impose any dependencies on the server platform. Please consult VMware for specific hardware requirements and for a list of hardware that is compatible with your VMware product

OpenServer 5.0.7V Licenses

The OpenServer 5.0.7V License is a contract that grants you rights to use the OpenServer 5.0.7V software for a limited period of time. An OpenServer 5.0.7V license is required for each instance of OpenServer 5.0.7V running on a Virtual Host.

OpenServer 5.0.7V licenses are Subscription Licenses. This means that they are only valid for, and will expire at the end of the License period. At the end of the License period you will need to renew your license and register it if you want to continue to use the product.

Typically, you obtain OpenServer product licenses from your OpenServer software provider.

If you need help locating a UnXis Partner or have any questions relating to the purchasing of licenses you can contact UnXis directly by choosing the “Sales” category on the feedback form.

The end user license agreement (EULA) of OpenServer 5.0.7V for VMware is displayed when importing the Virtual Appliance and is also available to view:

- on the downloadable ISO images in the directory **/info/license**
- on an already installed system in the directory **/etc/license**

We recommend you use WordPad when viewing text files on the ISO Image or CD/DVD Media on Microsoft Windows systems.

Before Importing OpenServer 5.0.7V for VMware

Before you can import OpenServer 5.0.7V for VMware you will need to ensure that you have:

- Installed and configured a version of VMware on which OpenServer 5.0.7V is supported
- The OpenServer 5.0.7V Media as an iso image
- If you are installing VMware vSphere™, ESX™ or ESXi™ then a Windows PC installed with either:
 - VMware Infrastructure Client or
 - VMware vSphere Client

Please note that this guide does not cover how to install, configure or use your VMware products. This guide assumes you have a good working knowledge of the VMware product you are importing OpenServer 5.0.7V into.

VMware System Requirements

OpenServer 5.0.7V for VMware is an Appliance designed to be imported into specific supported versions of VMware product. UnXis cannot support customers who attempt to import OpenServer 5.0.7V into versions of VMware that are not listed as supported.

The VMware System you are importing to will also need to meet certain resource requirements in order to support the installation of OpenServer 5.0.7V. These requirements are discussed below.

VMware System Software Requirements

OpenServer 5.0.7V Version 3.0.0 for VMware is supported on the following VMware platforms:

- VMware vSphere 4.x
- VMware ESXi 4.x
- VMware ESX Server Release 3.5
- VMware ESXi Server Release 3.5
- VMware Workstation Release 7.x

We recommend that you have the latest VMware Updates applied to your VMware system before importing OpenServer 5.0.7V.

OpenServer 5.0.7V for VMware is also compatible with the following VMware VirtualCenter services:

- VMotion
- Storage VMotion
- DRS - Dynamic Resource Scheduler
- HA - High Availability

VMware System Resource Requirements

The VMware System you are importing into will need the following in order to successfully run OpenServer 5.0.7V:

- A datastore with at least 8Gbytes of free disk space to hold the OpenServer 5.0.7V for VMware virtual machine. Note that additional disk space can be configured for your virtual machine once the import is complete.
- A Virtual Switch that can be used as a virtual Network Card by OpenServer 5.0.7V for VMware.
- At least 256 Mbytes of free memory. Note that the amount of memory used by your virtual machine can be increased once the import is complete.

Importing an OpenServer 5.0.7V Appliance into VMware

This section covers how to import OpenServer 5.0.7V for VMware into a supported VMware platform.

Importation overview

OpenServer 5.0.7V for VMware is delivered in the form of a Virtual Appliance that you “import” into your VMware Platform. This documentation assumes that:

- The target VMware system is installed and configured correctly.
- There is enough free disk space (at least 8Gbytes) on the target VMware system to install the OpenServer 5.0.7V Virtual Appliance.
- The target VMware system has enough resources (memory and CPU) to run the OpenServer 5.0.7V Virtual Machine.
- The person importing the OpenServer 5.0.7V Virtual Appliance has a good working knowledge of VMware products.
- You have already obtained a copy of the [OpenServer 5.0.7V ISO image](#)

Importation of OpenServer 5.0.7V for VMware will create a Virtual Machine with the following specifications:

- CPUs 1
- Floppy Drives 1
- CD/DVD Drives 1
- Memory 256Mb
- Network Adapter 1 Adapter using the AMD PCnet-PCI emulation
- SCSI Controller 1 SCSI Controller using the LSI SCSI emulation
- Hard Disk 1 Virtual Disk of 8 Gbytes (includes 2Gbytes of swap)
- Video SVGA 1024x768x64k colors VMware VESA – VBE 2.0

Additional Memory, CPUs, Floppy and CD/DVD Drives, Network Adapters and Hard Disks can be added to your Virtual Machine once importation is complete.

Importing into VMware vSphere 4.x or VMware ESXi 4.x

To import OpenServer 5.0.7V for VMware into a VMware vSphere 4.x or ESXi 4.x.0 server do the following:

1. After you have downloaded the iso image then either:
 - a. Burn the iso image onto CD/DVD Media and place in the CD/DVD drive of your Windows PC or
 - b. Mount the iso image on your Windows PC using a tool like [Microsoft Virtual CD-ROM Control Panel](#)

2. Launch the VMware vSphere Client on the Windows PC and login to either:
 - a. the VMware Server you want to install on or
 - b. the VMware VirtualCenter/vCenter you are using to manage your VMware server
3. Select
File -> Deploy OVF Template
4. On the **Import Location** screen
 - a. check the **Deploy from file:** option
 - b. use **Browse** to locate the OpenServer 5.0.7V **ovf** file in the `.\VMware\osr507_VA` directory of the Install Media
 - c. click **Next**
5. On the **OVF Template Details** screen
 - a. click **Next**
6. On the **End User License Agreement** screen
 - a. Read the End User License Agreement
 - b. Check the **Accept** box
 - c. click **Next**
7. On the **Name and Location** screen
 - a. Specify a unique Name for your Virtual Machine
 - b. If prompted to, also specify the Inventory Location (VirtualCenter only)
 - c. click **Next**
8. On the **Host or Cluster** screen (VirtualCenter only)
 - a. Select the host or cluster you want to install onto
 - b. click **Next**
9. On the **Datastore** screen
 - a. Select the Datastore to install the Virtual Machine on
 - b. click **Next**
10. On the **Ready to Complete Virtual Appliance Import** screen
 - a. click **Finish**
11. A **% Import** window will now be displayed giving you the import status. The time it takes to import the Appliance will depend on the performance of the Windows PC you are importing from and the performance and current workload on the VMware ESX/ESXi server you are importing to.

12. When the % **Import** window indicates that the appliance has **Completed Successfully**

- a. click **Close**

The import phase is now complete. You can now proceed to [configure your OpenServer 5.0.7V Virtual Machine](#).

Importing into VMware ESX 3.5 or VMware ESXi 3.5

To import OpenServer 5.0.7V for VMware into a VMware ESX or ESXi 3.5 server do the following:

1. After you have downloaded the iso image then either:
 - a. Burn the iso image onto CD/DVD Media and place in the CD/DVD drive of your Windows PC or
 - b. Mount the iso image on your Windows PC using a tool like [Microsoft Virtual CD-ROM Control Panel](#)
2. Launch the VMware Infrastructure Client on the Windows PC and login to either:
 - a. the VMware ESX/ESXi 3.5 Server you want to install on or
 - b. the VMware VirtualCenter you are using to manage your VMware ESX/ESXi 3.5 server
3. Select
File -> Virtual Appliance -> Import...
4. On the **Import Location** screen
 - a. check the **Import from file:** option
 - b. use **Browse** to locate the OpenServer 5.0.7V **ovf** file in the `.\VMware\osr507_VA` directory of the Install Media
 - c. click **Next**
5. On the **Virtual Appliance Details** screen
 - a. click **Next**
6. On the **End User License Agreement** screen
 - a. Read the End User License Agreement
 - b. Check the **Accept all license agreements** box
 - c. click **Next**
7. On the **Name and Location** screen
 - a. Specify a unique Name for your Virtual Machine
 - b. If prompted to, also specify the Inventory Location (VirtualCenter only)
 - c. click **Next**

8. On the **Host or Cluster** screen (VirtualCenter only)
 - a. Select the host or cluster you want to install onto
 - b. click **Next**
9. On the **Datastore** screen
 - a. Select the Datastore to install the Virtual Machine on
 - b. click **Next**
10. On the **Ready to Complete Virtual Appliance Import** screen
 - a. click **Finish**
11. A **% Import** window will now be displayed giving you the import status. The time it takes to import the Appliance will depend on the performance of the Windows PC you are importing from and the performance and current workload on the VMware ESX/ESXi server you are importing to.
12. When the **% Import** window indicates that the appliance has **Completed Successfully**
 - a. click **Close**

The import phase is now complete. You can now proceed to [configure your OpenServer 5.0.7V Virtual Machine](#).

Importing into VMware Workstation 7.x for Windows

To install OpenServer 5.0.7V for VMware on a VMware Workstation 7.x for Windows do the following:

1. After you have downloaded the iso image then either:
 - a. Burn the iso image onto CD/DVD Media and place in the CD/DVD drive of your Windows PC or
 - b. Mount the iso image on your Windows PC using a tool like [Microsoft Virtual CD-ROM Control Panel](#)
2. Launch VMware Workstation using:
Start -> All Programs -> VMware -> VMware Workstation
3. Select **File -> Import or Export...**
4. In the **Conversion Wizard** window
 - a. click **Next**
5. In the **Source** window
 - a. click **Next**
6. In the **Source Type** window
 - a. choose **Virtual Appliance** from the pull down menu

- b. click **Next**
- 7. In the **Virtual Appliance Location** window
 - a. click **Browse...**
 - b. Locate the OpenServer 5.0.7V **ovf** file in the `.\VMware\osr507_VA` directory of the Install Media
 - c. click **Open**
 - d. click **Next**
- 8. In the **Virtual Appliance Details** window
 - a. click **Next**
- 9. In the **End-User License Agreement** window
 - a. Read the end user license agreement
 - b. Check **I accept the terms.**
 - c. click **Next**
- 10. In the **Destination** window
 - a. click **Next**
- 11. In the **Destination Type** window
 - a. select **Other Virtual Machine** from the pull down menu
 - b. click **Next**
- 12. In the **Virtual Machine Name and Location** window
 - a. enter the name you want the virtual machine to be known by
 - b. use **Browse...** to specify where on your PC you want the virtual machine installed
 - c. leave the **Type of virtual machine to create:** as default
 - d. click **Next**
- 13. In the **Virtual Machine Options** window
 - a. leave **Import and convert (full-clone)** as default
 - b. select the type of **Disk Allocation** you want to use
 - c. click **Next**
- 14. In the **Networks** window
 - a. highlight the **Source Network** you want to use
 - b. select the type of networking you want from the **Destination Network** pull down menu
 - c. click **Next**

15. In the **Customization** window
 - a. click **Next**
16. In the **Ready to Complete** window
 - a. click **Finish**
17. A **% of Install Appliance Complete** window will display the status of the install
18. When the **Install Virtual Appliance** window indicates a status of **Completed**
 - a. click **Close**

The import phase is now complete. You can now proceed to [configure your OpenServer 5.0.7V Virtual Machine](#).

Configuring your imported OpenServer 5.0.7V Virtual Machine

The first time you boot your OpenServer 5.0.7V Virtual Machine after import, you will be prompted for configuration details for your Virtual Machine. This section takes you through:

- Modifying your Virtual Machine [configuration](#)
- A [configuration checklist](#) that lists the information you will need to configure your system
- The [valid license combinations](#) you can use to license your system
- How to [power on](#) your OpenServer 5.0.7V Virtual Machine
- What happens when you [boot OpenServer 5.0.7V](#) for the first time
- Taking a [snapshot](#) of your newly imported Virtual Machine
- [Registering](#) your OpenServer 5.0.7V system
- [Renewing](#) the subscription license of your OpenServer 5.0.7V system

Modifying your Virtual Machine Configuration

Importation of OpenServer 5.0.7V for VMware will create a Virtual Machine with the following specifications:

- CPUs 1
- Floppy Drives 1
- CD/DVD Drives 1
- Memory 256Mb
- Network Adapter 1 Adapter using the AMD PCnet-PCI emulation

- SCSI Controller 1 SCSI Controller using the LSI SCSI emulation
- Hard Disk 1 Virtual Disk of 8 Gbytes (includes 2Gbytes of swap)
- Video SVGA 1024x768x64k colors VMware VESA – VBE 2.0

At this point you may wish to make the following changes to the Virtual Machine:

- Add additional Memory
- Add additional CPU
- Configure additional Storage
- Configure additional Network Adapters or select a different Virtual Network Connection

Configuration Checklist

This section provides a checklist that will help you collect the information you need to successfully configure your imported OpenServer 5.0.7V Virtual Machine. If you complete this checklist, the configuration will go more quickly and you will have a written log of your responses, in case you ever need to troubleshoot or reconfigure your system.

Note that this guide assumes you know the IP address, Netmask (Subnet Mask), Gateway IP address and Primary/Secondary Nameserver IP addresses that will be used by your OpenServer 5.0.7V Virtual Machine. For more information on these parameters please consult your VMware documentation or contact the System Administrator of your VMware Server.

When booting your OpenServer 5.0.7V Virtual Machine on VMware for the first time you will be asked for the following information:

- Keyboard type(e.g. US English)

- The Fully Qualified Domain Name (e.g. osr507v.unxissco.com)

- The IP Address your OpenServer 5.0.7V System will use or DHCP if your system will obtain its IP via DHCP
____.____.____.____
- The Netmask or DHCP if your system will obtain its Netmask via DHCP (if you choose DHCP here then you must also choose DHCP for the IP address)
____.____.____.____
- The Gateway IP address or DHCP if your system will obtain its gateway IP via DHCP (if you choose DHCP here then

you must also choose DHCP for the IP address)

- The Primary Nameserver IP address or DHCP if your system will obtain its Primary Nameserver IP via DHCP (if you choose DHCP here then you must also choose DHCP for the IP address)

- The Secondary Nameserver IP address, DHCP if your System will obtain its Secondary Nameserver IP via DHCP or “none” if you do not use a Secondary Nameserver

- Mail Transfer Agent (e.g. Sendmail or MMDF)

- Install Symmetrical Multiprocessing support (SMP)?

- System Locale

- Language Supplement to install (e.g. none, French or German)

- Root password

- Security Level (low/traditional/improved/high)

- Enable/Disable the Graphical Desktop (scologin)

- Timezone (e.g. EST)

- Fully Qualified Email hostname

Valid OpenServer 5.0.7V License Combinations

You will be required to provide one or more licenses when you first boot your OpenServer 5.0.7V for VMware system.

Valid license combinations that can be used to license your system include:

1. An OpenServer 5.0.7V Enterprise Edition License

OR

2. An OpenServer 5.0.7 Enterprise Edition License
and
an OpenServer 5.0.7 to OpenServer 5.0.7V Cross-grade license

OR

3. An OpenServer 5.0.6 Enterprise Edition License
and
an OpenServer 5.0.6 Enterprise to OpenServer 5.0.7 Enterprise upgrade license
and
an OpenServer 5.0.7 to OpenServer 5.0.7V Cross-grade license

OR

4. An OpenServer 5.0.7 Enterprise Trade-In
and
an OpenServer 5.0.7 to OpenServer 5.0.7V Cross-grade license

OR

5. Use of a 7 day temporary license for OpenServer 5.0.7V that is provided with the product. (selectable during first boot)

Powering on your OpenServer 5.0.7V Virtual Machine

The procedure to “power on” your OpenServer 5.0.7V Virtual Machine is dependent on the VMware platform you are running on. This section describes:

- How to power on OpenServer 5.0.7V on a VMware vSphere, ESX or ESXi Server
- How to power on OpenServer 5.0.7V on VMware Workstation 7.x for Windows

Powering on OpenServer 5.0.7V on a VMware vSphere, ESX or ESXi Server

The procedure to power on your OpenServer 5.0.7V Virtual machine is as follows:

1. From a Windows PC launch the VMware Infrastructure Client or VMware vSphere Client
2. Login to the Client
3. In the **Inventory** view
 - a. To start the Virtual Machine
 - i. Right click on your OpenServer 5.0.7V virtual machine
 - ii. Click on **Power On**

- b. To open the console of the Virtual Machine
 - i. Right click on your OpenServer 5.0.7V virtual machine
 - ii. Click on **Open Console**

On the console you should press <Enter> to boot your Virtual Machine. You are now ready to configure your system.

Powering on OpenServer 5.0.7V on VMware Workstation 7.x for Windows

The procedure to power on your OpenServer 5.0.7V Virtual machine is as follows:

1. From a Windows PC launch VMware Workstation
2. To start the Virtual Machine
 - a. Right click on your OpenServer 5.0.7V virtual machine tab
 - b. Click on **Power On**

On the console you should press <Enter> to boot your Virtual Machine. You are now ready to configure your system.

Booting OpenServer 5.0.7V for the first time

The first time you boot OpenServer 5.0.7V, the OpenServer 5.0.7V Configuration Utility (`/usr/sbin/guest_conf`) will run on the console to take you, step by step, through the process of configuring your system. In this section we will take you through the process describing the ways in which you can respond to the prompts of the Configuration Utility.

1. Click on your OpenServer 5.0.7V Console so it has keyboard focus
2. On the **OpenServer 5.0.7V Configuration** screen
 - a. Press <Enter>
3. On the **Select Keyboard** screen
 - a. Choose the keyboard mapping that matches the keyboard of your Windows PC
4. On the **OpenServer 5.0.7V Software License Agreement** screen
 - a. Display the Agreement
 - b. Accept the terms of the Agreement with option **4** to proceed with configuration
5. On the **OpenServer 5.0.7V Subscription and OpenServer 5.0.7 License Use Agreement** screen
 - a. Choose **y** to proceed with the configuration of OpenServer 5.0.7V

6. On the **OpenServer 5.0.7V Product Licensing** screen
 - a. Press **<Enter>**
7. On the **Select your License Scenario** screen
 - a. Choose the option that matches the License(s) you have
 - b. If you choose to enter one of more Licenses
 - i. Enter the relevant License Number(s), License Code(s) and License Data
 - ii. Select **License** to add the license to the Virtual Machine
 - iii. Select **OK** to acknowledge the Message
 - iv. Press **<Enter>** to continue configuring your Virtual Machine
 - c. If you choose to install the 7 day temporary license provided with the product
 - i. Confirm that the license you have selected is correct by choosing **y**
 - ii. Press **<Enter>** to continue configuring your Virtual Machine
8. On the **Virtual Machine Network Info** screen
 - a. Enter your fully qualified domain name (e.g. osr507v.unixsco.com)
 - b. If you are using a static IP address for your server then
 - i. Enter the IP address for your virtual machine
 - ii. Enter the Netmask for your virtual machine
 - iii. Enter the Gateway IP address (router) for your virtual machine
 - iv. Enter the Primary NameServer IP address
 - v. Enter the Secondary NameServer IP address (optional)
 - vi. Confirm that your settings are correct using **y**
 - c. If you want to allocate your server an IP address via DHCP then
 - i. At the **Please enter the IP address..** prompt type
 1. DHCP
 - ii. If you do not want the gateway IP address allocated by DHCP
 1. Enter the Gateway IP address for your virtual machine
 2. Otherwise press **<Enter>** to use DHCP
 - iii. If you do not want the Primary Nameserver IP allocated by DHCP
 1. Enter the Primary Nameserver IP address
 2. Otherwise press **<Enter>** to use DHCP
 - iv. Confirm that your settings are correct using **y**

9. On the **Select System** screen
 - a. Choose either Sendmail or MMDF as your Mail Transfer Agent (MTA)
10. On the **Symmetrical Multiprocessing Configuration** screen
 - a. Choose **y** if you wish to enable SMP, otherwise press **<Enter>**
 - b. Note that SMP is not supported on ESX 3.5, ESXi 3.5 or Workstation for Windows 7.x
11. On the **System Language (locale) Choice** screen
 - a. Choose a locale or accept the default
12. On the **Optional Language Support** screen
 - a. Choose what language supplements, if any, to install
 - b. If you install supplements press **<Enter>** to acknowledge the rundig notice
13. On the **Root Password** screen
 - a. Enter and confirm the root password or have one generated for you
 - b. Choose the security level for your system
14. On the **Graphical login:** screen
 - a. Choose to enable/disable scologin
15. On the **Time zone initialization** screen
 - a. If your server is in North America respond with **y**
 - i. Choose the number that represents your time zone
 - ii. Indicate if Daylight Saving Time applies in your location
 - b. If your server is outside North America respond with **n**
 - i. Choose **y** to set your time zone later (recommended) and **<Enter>** to continue
 - ii. Choose **n** to manually set your time zone (only choose this option if you have a good understanding of how to manually set your Timezone)
16. On the **Exporting the Sendmail/MMDF mail system.** screen
 - a. Enter the fully qualified domain name to be used by your MTA
17. The Configuration Utility will now re-link the kernel and automatically reboot the system

Registering your OpenServer 5.0.7V Virtual Machine

Registration of your OpenServer 5.0.7 V for VMware product is mandatory. If you do not register your product within 14 days of licensing it then system services will be restricted.

Registering your product provides the following benefits:

- it allows UnXis to automatically notify you when your license needs to be renewed
- it protects your investment in case of loss of license.

Registering a product is a three-part process:

1. Use the **License Manager** to get the information you need to register.
2. Visit the OpenServer Registration web page to obtain a Registration Key
3. Use the **License Manager** again to enter the Registration Key onto your system.

See "[Licensing and registering OpenServer products](#)" for information on how to register your OpenServer products using the License Manager.

Taking a snapshot of your Virtual Machine

UnXis recommend that you:

- take a snapshot of your Virtual Machine once it has been configured and registered
- make a backup of your complete system for disaster recovery purposes

This section describes:

- [How to take a snapshot of OpenServer 5.0.7V on VMware vSphere 4.x, ESXi 4.x or ESX\(i\) 3.5](#)
- [How to take a snapshot of OpenServer 5.0.7V on VMware Workstation for Windows 7.x](#)

Taking a Snapshot on VMware vSphere 4.x, ESXi 4.x or ESX(i) 3.5

The procedure to take a snapshot of your OpenServer 5.0.7V Virtual machine is as follows:

1. From a Windows PC launch the VMware Infrastructure, VMware vSphere Client or VirtualCenter/vCenter
2. Login to the Infrastructure/vSphere Client or VirtualCenter/vCenter
3. In the **Inventory** view, to snapshot the Virtual Machine
 - a. Right click on your OpenServer 5.0.7V virtual machine
 - b. Click on **Snapshot**
 - c. Click on **Take Snapshot...**
 - d. Enter a Name and Description for your Snapshot and click **OK**

Taking a Snapshot on VMware Workstation for Windows 7.x

The procedure to take a snapshot of your OpenServer 5.0.7V Virtual machine is as follows:

1. From a Windows PC launch VMware Workstation
2. To snapshot the Virtual Machine
 - a. Right click on the tab of your OpenServer 5.0.7V virtual machine
 - b. Click on **Take Snapshot...**
 - c. Enter a Name: and Description: for your Snapshot and click **OK**

Renewing your OpenServer 5.0.7V License

You will be notified by email and by warning messages on the Console and in the System Log (*/var/adm/syslog*) when your OpenServer 5.0.7V license is about to expire. If you wish to continue to use the product you will need to purchase a renewal license and apply it to the system (ideally before your existing license expires).

To apply the new license to your system:

1. Log into the system as the root user
2. Launch the License Manager using the command:
scoadmin license
3. Select
License -> Add a Product or Service License...
4. Enter the License Number, Code and Data of your Renewal License
5. Select **License** to apply the license to your system

Note that you will also need to register this license within 14 days.

Additional Information, Limitations and Known Problems

Additional Information

For additional information on how to install, configure and manage OpenServer 5.0.7V for VMware please see:

The UnXis Virtualization Videos

The UnXis Knowledge Base of Technical Articles

For a list of issues fixed in OpenServer 5.0.7V for VMware Version 3.0.0 please see the product Release Notes

Limitations and Known Problems

For additional information including:

- limitations imposed on OpenServer 5.0.7V when running in Virtual Environment
- known problems and workarounds relating to OpenServer 5.0.7V

UnXis Global Services

UnXis Global Services provides a wide range of support options, including:

- Professional Services and Custom Engineering
- Technical Support
- Self-Help options

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