

Citrix XenServer Quick Installation and Licensing Guide



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Summary

This guide is designed to help you quickly install generic XenServer workloads, the Citrix® XenCenter® management console and then start virtualizing workloads immediately. Also, it takes you through the steps necessary to install and license the XenServer Free Edition.

Note: Some of the recommendations contained in this document differ from the XenServer Installation Guide. Chief among those are the descriptions on networking and storage requirements. The installation guide is designed to provide a stable environment which will scale to large deployments, while this guide is designed to get a virtual environment running quickly.

Preparation

For the XenServer installation process, you will need to prepare the following items:

- The XenServer ISO image burned onto a on a CD or DVD (download the ISO from <http://www.citrix.com/xenserver/download>).
- XenServer host - a server manufactured in the last three years with a CD/DVD drive.

XenServer will be installed as the only operating system on this server. The following information should be compiled before the starting the installation.

- Hostname: _____

Host network configuration - you will be given the choice between a static or automatic (DHCP) configuration. If you are uncertain which configuration to choose, DHCP is most likely the correct option. Use the spaces below to note the addresses for a static configuration.

- Host IP Address: _____
- Subnet Mask: _____
- Network Gateway: _____
- DNS: _____

Host network time - you can either enter the time manually or use NTP to configure the time. For this document, we will use NTP. If you do not know your organization's NTP server, use the generic address below.

Your NTP address: _____

Generic NTP address: 0.pool.ntp.org

- XenCenter management console - a PC running Microsoft® Windows® XP or later.
- Network access between the PC workstation and the XenServer host.

Once you have met the above requirements, you are ready to start installing XenServer.

XenServer Installation

To start the XenServer installation process, insert the XenServer CD into the CD drive of the host you want to install XenServer on. Then re-boot the host and follow the XenServer wizard to complete the installation process.

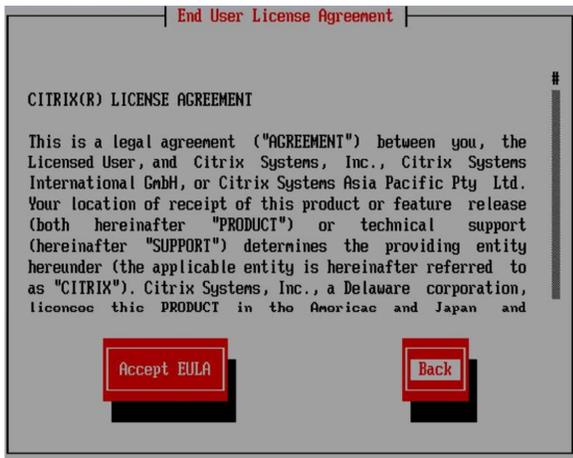
Warning: Installing XenServer will overwrite all data on any hard drives that you select to use for the installation. Back up any data that you wish to preserve before proceeding.

1. Following the initial boot messages, select your keyboard layout.

Click **Ok**.



3. Read and accept the Citrix End User License Agreement (EULA).



2. When the **Welcome to XenServer Setup** screen is displayed, click **Ok**.

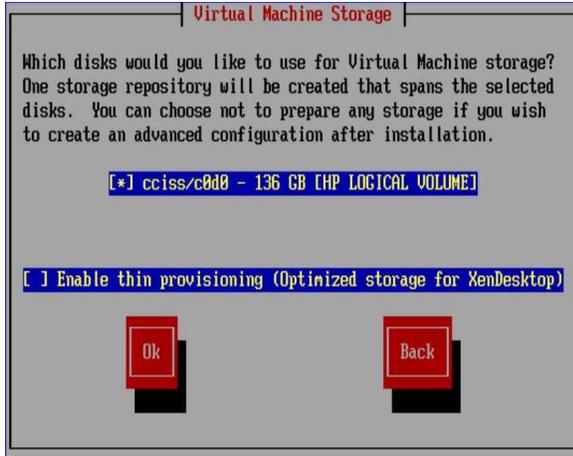


4. Click **Ok** to begin the installation.

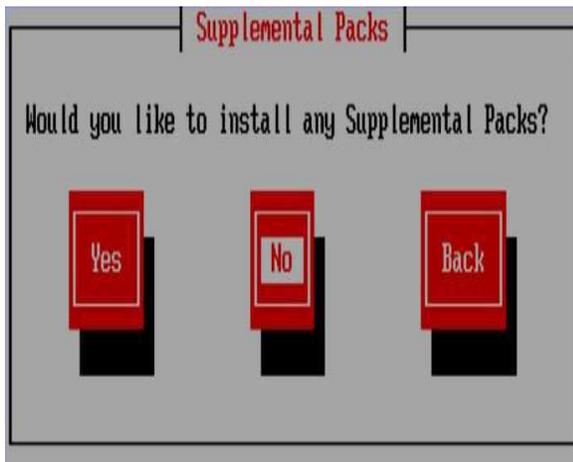


5. If your host has multiple hard disks, choose a primary disk for the installation.

Click **Ok**.

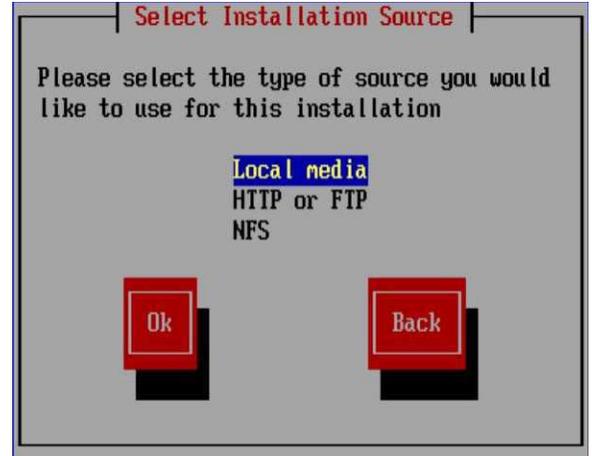


7. When prompted about if you would like to install any supplemental packs, choose **No** to continue.



6. Select **Local Media** as your installation source.

Click **Ok**.



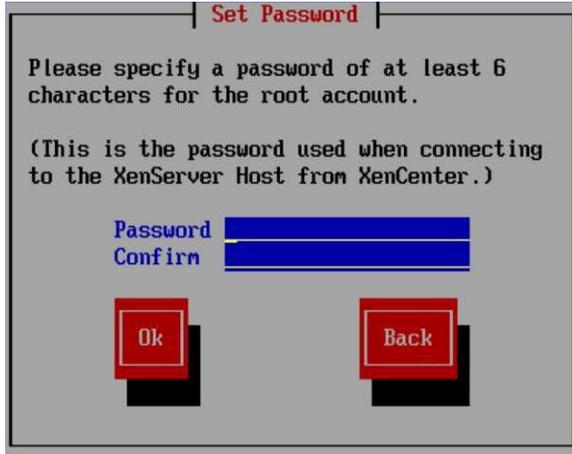
8. Select **Skip Verification**.

Click **Ok**.



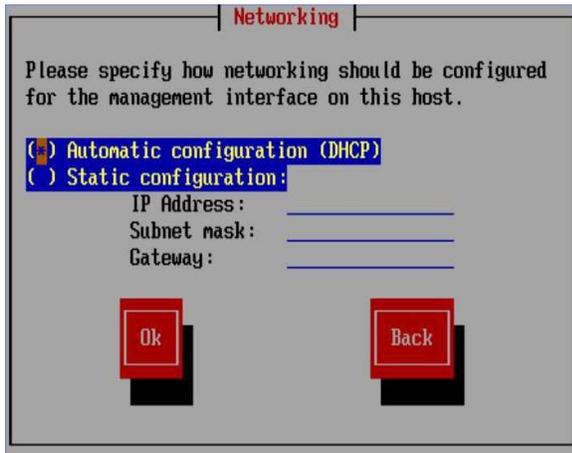
9. Set and confirm the root password for your XenServer host (save this password as it is required later).

Click **Ok**.



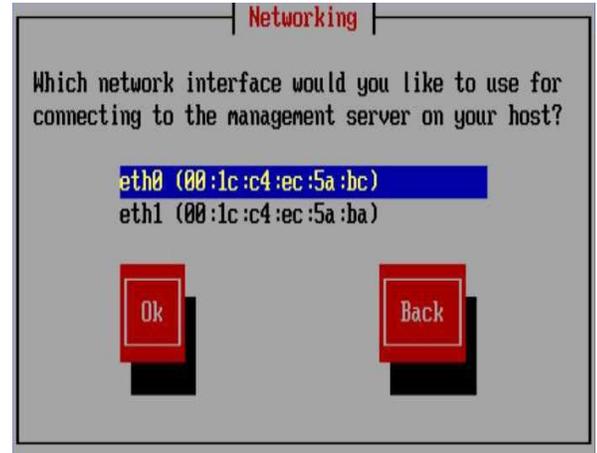
11. Select **Automatic configuration (DHCP)**.

Click **Ok**.



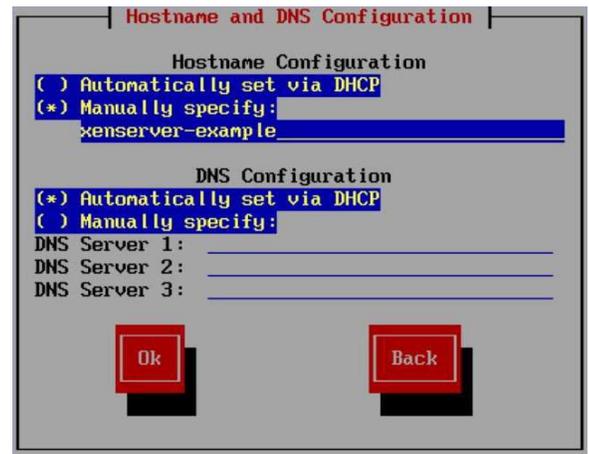
10. If your host has multiple NICs, select the NIC which you wish to use for management.

Click **Ok**.



12. For Hostname Configuration, select **Manually specify:** and enter your XenServer host name in the space below. For DNS Configuration, select **Automatically set via DHCP**.

Click **Ok**.



13. Set the time zone by selecting the geographical region of your XenServer host.

Click **Ok**.



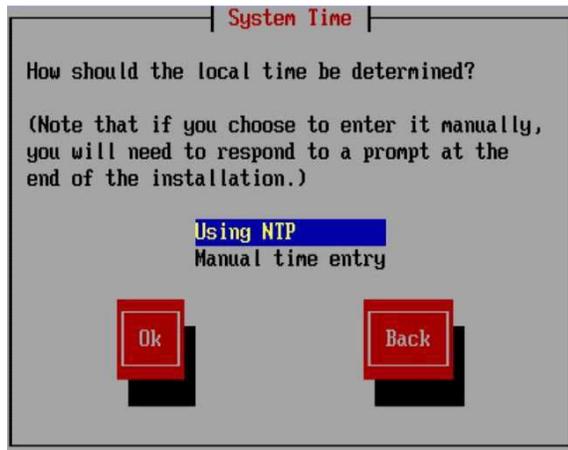
14. Select a city in your time zone.

Click **Ok**.



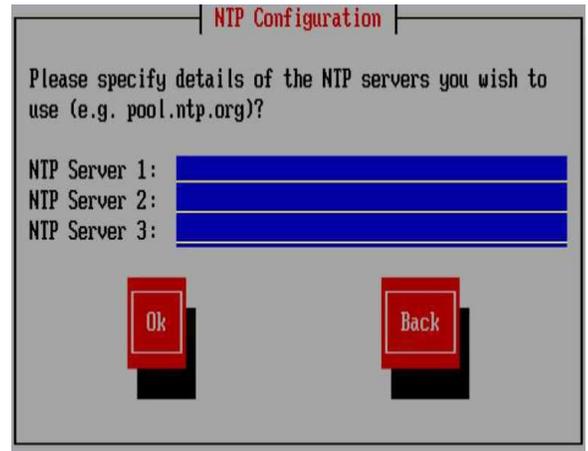
15. To set the network time, choose **Using NTP**.

Click **Ok**.



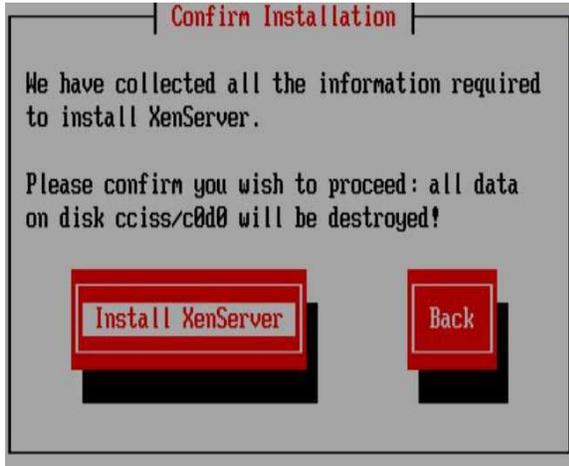
16. Enter the NTP address to set the time.

Click **Ok**.



Note: If you elected to set the time manually in this step, you will be prompted to enter the time after step 16.

17. Click **Install XenServer** to complete the installation process.



18. At this point, the host will install XenServer from the CD. This process takes a few minutes to complete. Once the installation is complete, remove the CD and click **Ok** to reboot the server.



After the re-boot completes, your XenServer host is ready for use. You can move onto the XenCenter Installation section.

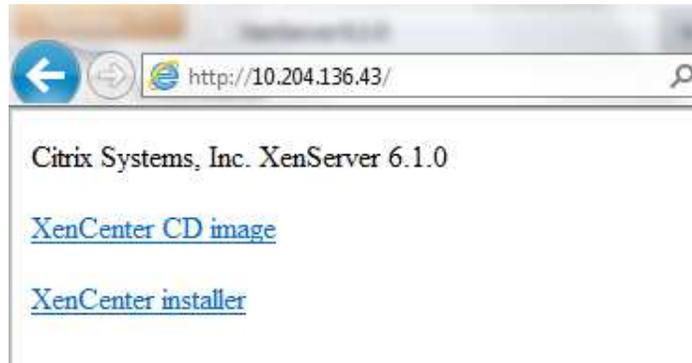
XenCenter Installation

XenCenter is the management console for XenServer. Using XenCenter, virtual machines can be started, stopped, migrated, created, copied and backed-up. XenCenter can be installed on any PC running Windows® XP or later.

To install XenCenter, follow these steps:

1. Open Internet Explorer and in the address bar, type in the IP address of your XenServer host.

To download the installer, click the **XenCenter installer** link.



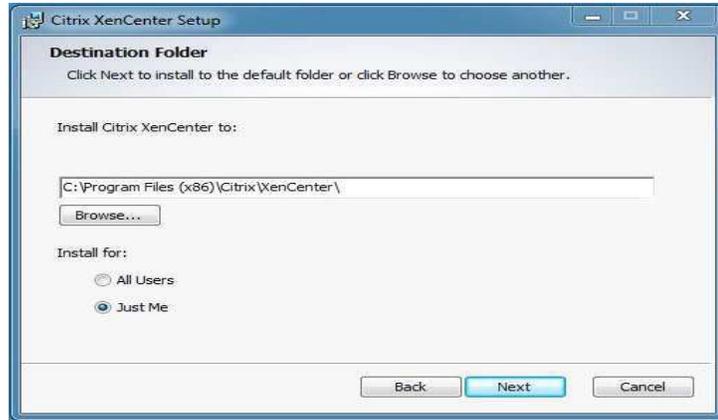
2. Click **Run** to start the installer.



3. On the **Welcome to the Citrix XenCenter Setup Wizard** screen, click **Next** to start the installation.



4. Select the installation location, click **Next**.



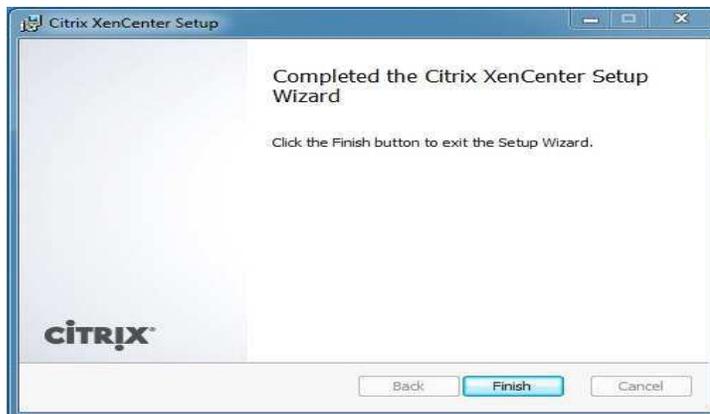
5. Click **Install** to start the installation.



6. The installation process will take a few minutes to complete.



7. Once the installation is complete, click **Finish**.

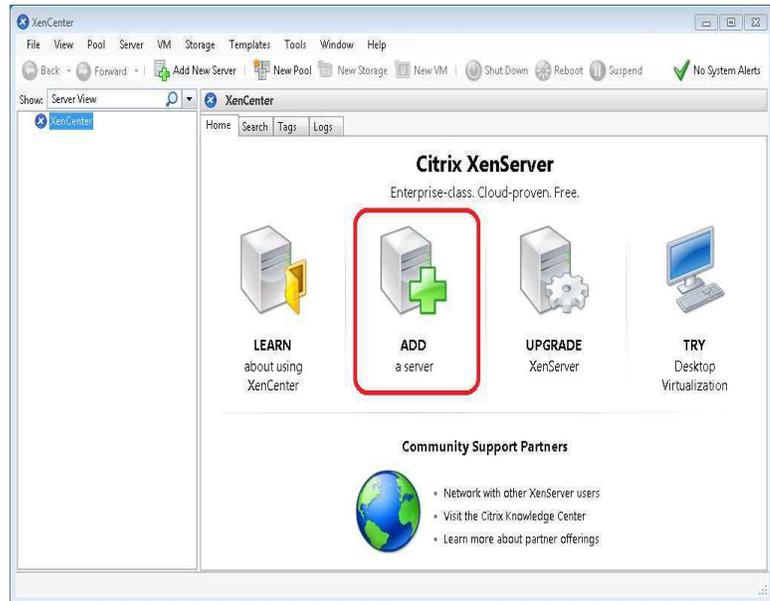


You are now ready to manage your XenServer host. You can move onto the Manage XenServer section.

Manage XenServer

Now that XenServer and XenCenter are installed, the next step is to establish a connection between them.

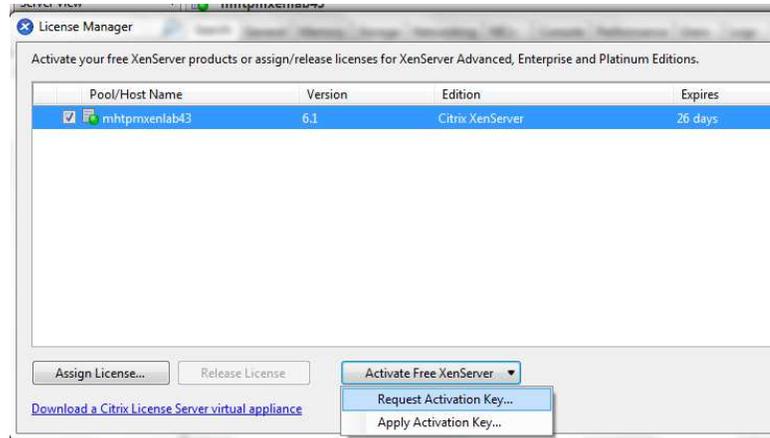
1. From the Start Menu on your PC, run XenCenter
2. Once XenCenter is open, click the **Add New Server** button to connect to your XenServer host.



3. Enter the IP address of your XenServer host. Enter the password you created during the XenServer installation process

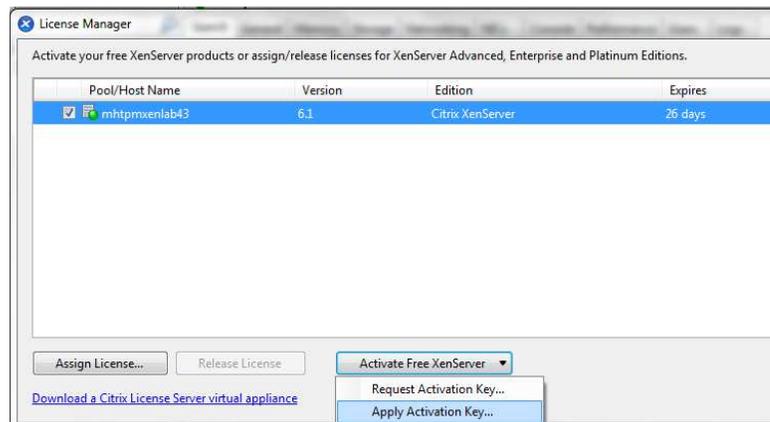


4. In the License Manager dialog box that opens, your XenServer host will be listed with an expiration date. Select the host, click the **Activate Free XenServer** button and select **Request Activation Key** from the drop-down menu.

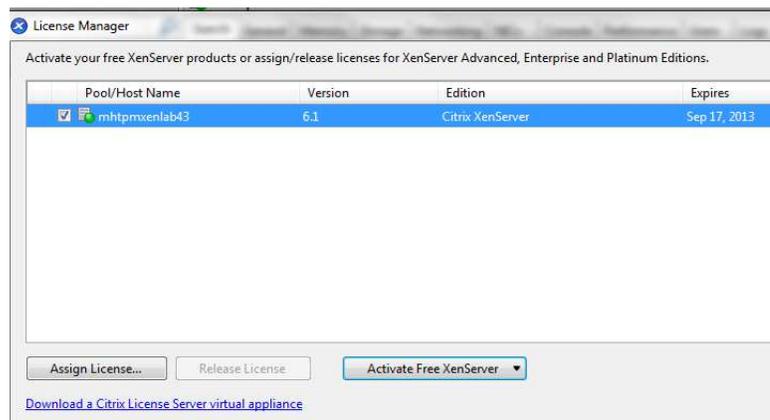


5. You will be directed to a web form on Citrix.com. Fill in your credentials and click **submit**. Check the inbox of the email account you used in the registration page for an email from *xenserver.activations@citrix.com* (This email may take up to 5 minutes to arrive). Once the email arrives, save the license file that is attached to the PC that has XenCenter installed on it.

6. Return to the XenCenter License Manager. Select the host to apply the XenServer license, click the **Activate Free XenServer** button and select **Apply Activation License** from the drop-down menu. Locate the license file you saved to your computer and click the **Open** button.



7. The XenServer Free Edition license file is valid for one year. Before the year expiration date, you should renew your XenServer license. The steps for renewal are the same as above.



Congratulations! You have successfully installed XenServer and XenCenter. You are now ready to virtualize your server workloads.

XenServer Virtualization Solution

If you want to add more XenServer hosts, simply follow the XenServer Installation instructions above. Once you have installed XenServer on your other hosts, make sure to add them to your XenCenter installation. You can download the XenServer Quick Start Guide for further information about converting server workloads to XenServer virtual machines, migrating workloads across XenServer hosts, and creating resource pools.

Find out more information about XenServer using the following links:

- Forums: <http://blogs.citrix.com/product/xenserver/>
- Facebook: <http://www.facebook.com/CitrixXenServer>
- Twitter: <http://twitter.com/#!/XenServerArmy>
- Master Class: <http://www.citrix.com/xsmasterclass>

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