

Citrix XenServer Quick Installation and Licensing Guide



Contents

Summary..... 3

Preparation..... 3

XenServer Installation..... 4

XenCenter Installation 9

Manage XenServer 12

XenServer Virtualization Solution 14

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.

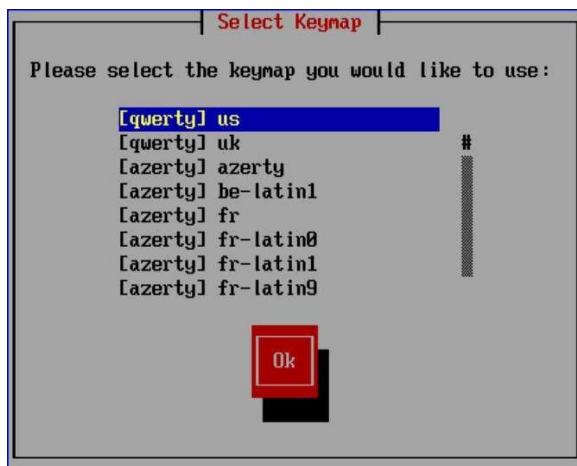
XenServer Installation

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.

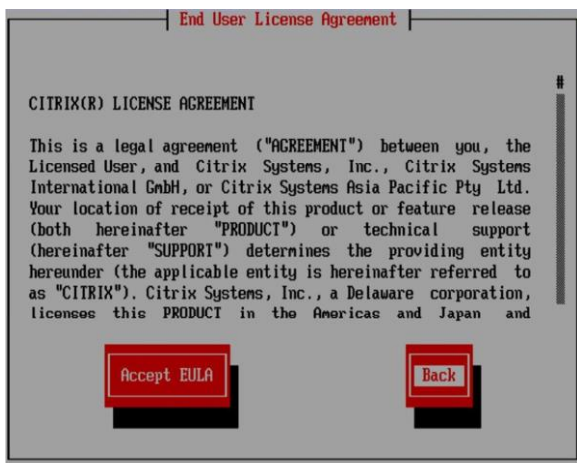
Warning: Installing XenServer will overwrite all data on any hard drives that you select to use for the installation. Back up any data that you wish to preserve before proceeding.

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**.

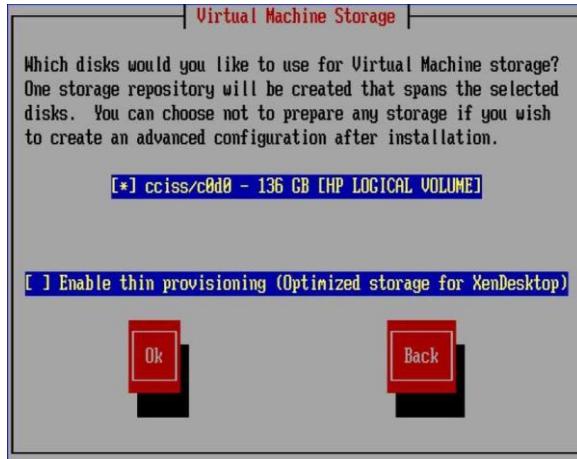


4. Click **Ok** to begin the installation.

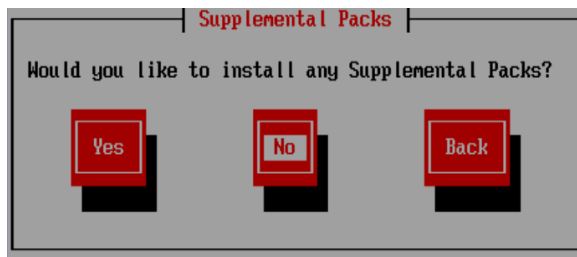


5. If your host has multiple hard disks, choose a primary disk for the installation.

Click **Ok**.

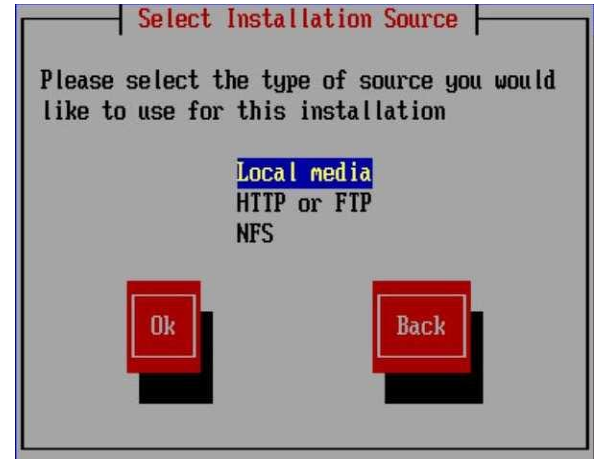


7. When prompted about if you would like to install any supplemental packs, choose **No** to continue.



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

Click **Ok**.



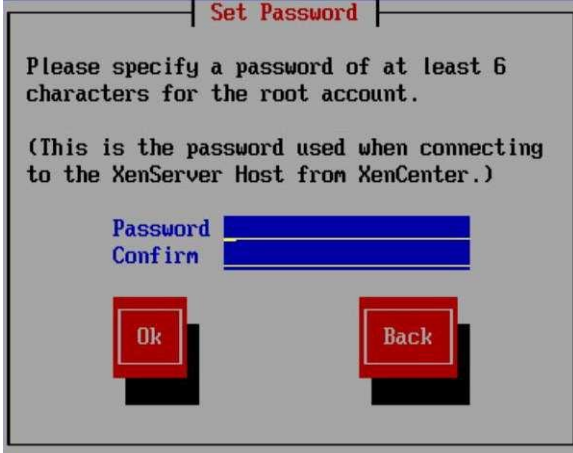
8. Select **Skip Verification**.

Click **Ok**.



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

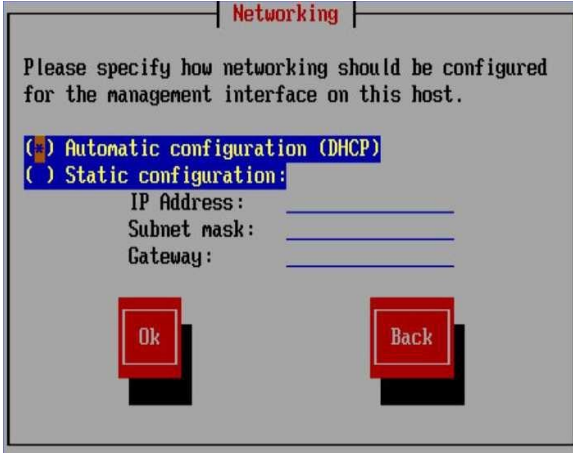
Click **Ok**.



The 'Set Password' dialog box has a title bar with 'Set Password'. The text inside says: 'Please specify a password of at least 6 characters for the root account. (This is the password used when connecting to the XenServer Host from XenCenter.)'. Below this, there are two input fields labeled 'Password' and 'Confirm'. At the bottom, there are two red buttons: 'Ok' and 'Back'.

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

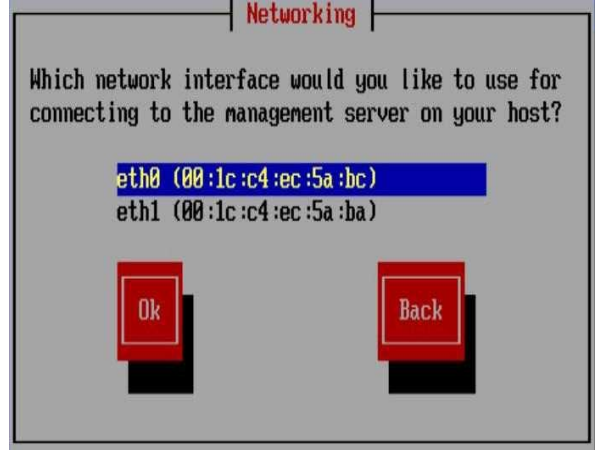
Click **Ok**.



The 'Networking' dialog box has a title bar with 'Networking'. The text inside says: 'Please specify how networking should be configured for the management interface on this host.' Below this, there are two radio button options: 'Automatic configuration (DHCP)' (which is selected) and 'Static configuration:'. Under 'Static configuration', there are input fields for 'IP Address:', 'Subnet mask:', and 'Gateway:'. At the bottom, there are two red buttons: 'Ok' and 'Back'.

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

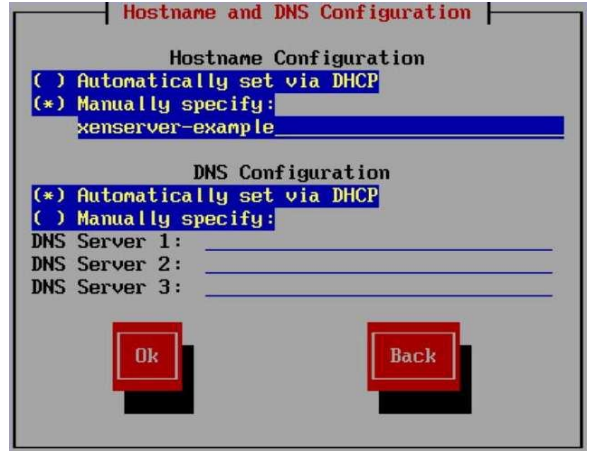
Click **Ok**.



The 'Networking' dialog box has a title bar with 'Networking'. The text inside says: 'Which network interface would you like to use for connecting to the management server on your host?'. Below this, there are two network interface options: 'eth0 (00:1c:c4:ec:5a:bc)' and 'eth1 (00:1c:c4:ec:5a:ba)'. At the bottom, there are two red buttons: 'Ok' and 'Back'.

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**.

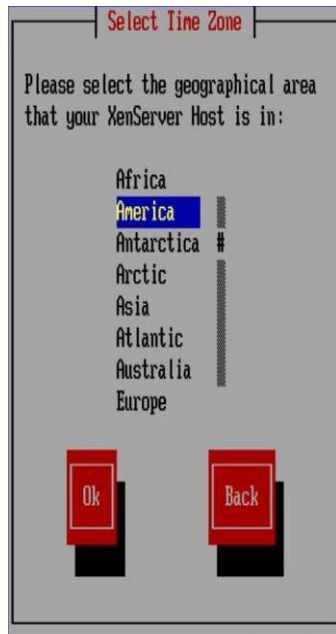
Click **Ok**.



The 'Hostname and DNS Configuration' dialog box has a title bar with 'Hostname and DNS Configuration'. It is divided into two sections. The 'Hostname Configuration' section has two radio button options: 'Automatically set via DHCP' and 'Manually specify:' (which is selected). Below 'Manually specify:' is an input field containing 'xenserver-example'. The 'DNS Configuration' section has two radio button options: 'Automatically set via DHCP' (which is selected) and 'Manually specify:'. Below 'Manually specify:' are three input fields for 'DNS Server 1:', 'DNS Server 2:', and 'DNS Server 3:'. At the bottom, there are two red buttons: 'Ok' and 'Back'.

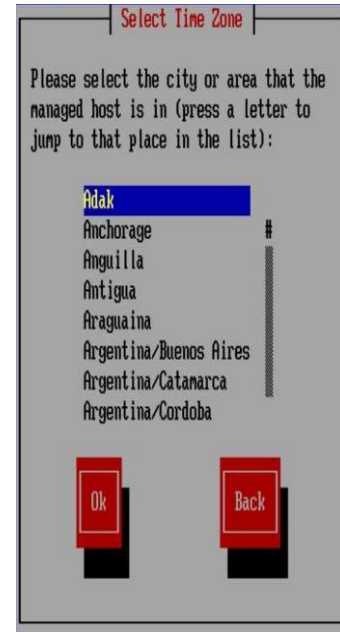
13. Set the time zone by selecting the geographical region of your XenServer host.

Click **Ok**.



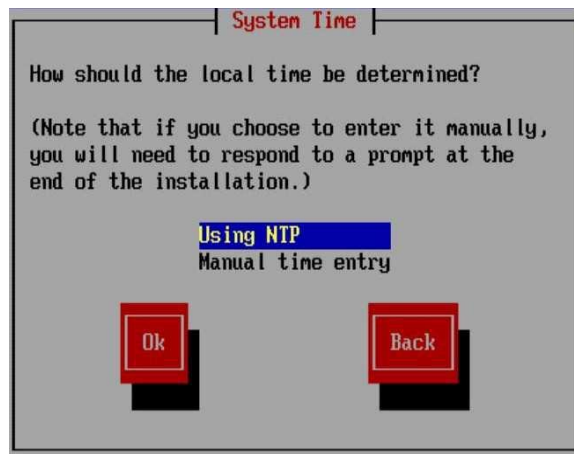
14. Select a city in your time zone.

Click **Ok**.



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

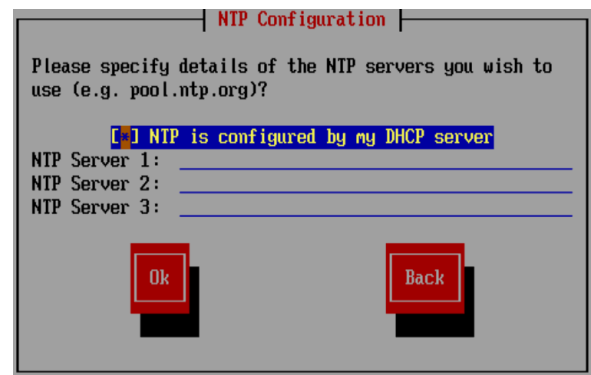
Click **Ok**.



Note: If you elected to set the time manually in this step, you will be prompted to enter the time after step 16. Setting the time manually is not recommended when XenServer hosts are pooled as all hosts must be time synchronized.

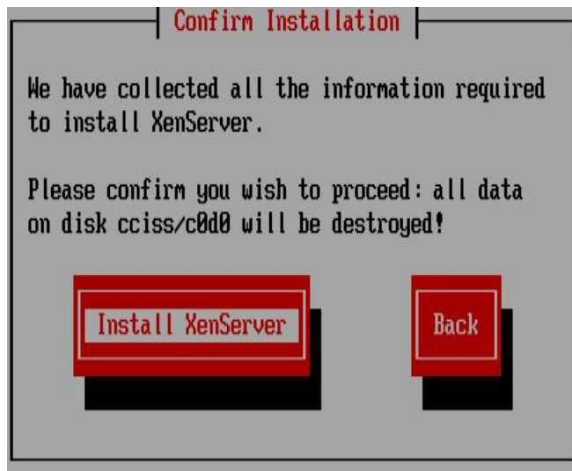
16. Enter the NTP address to set the time.

Click **Ok**.



Note: This screen will not appear if manual time entry was selected.

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.

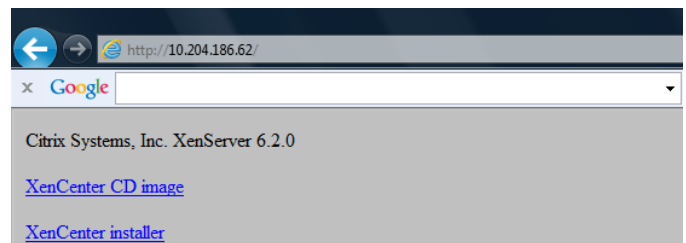
XenCenter Installation

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:

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

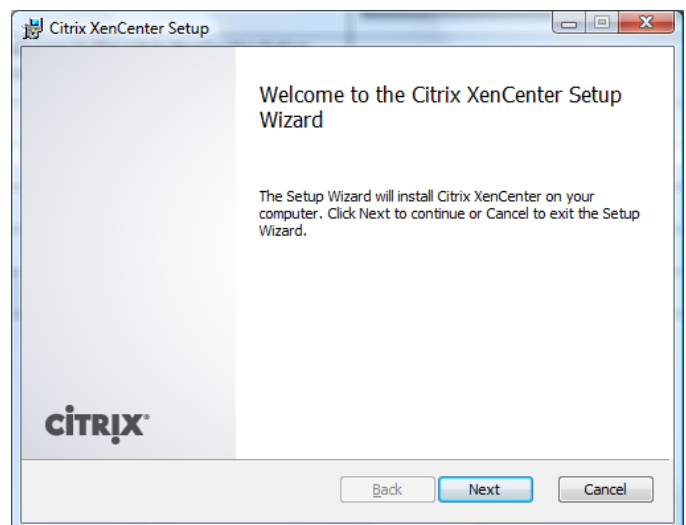
To download the installer, click the **XenCenter installer** link.



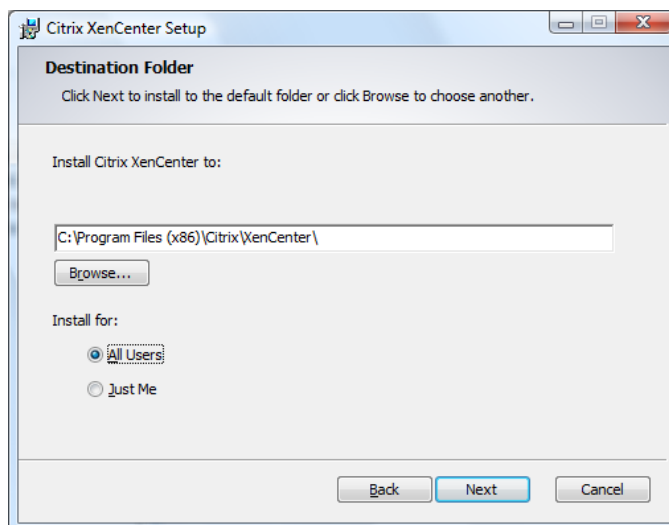
Click **Run** to start the installer. Depending on your browser, and its settings, a security confirmation dialog may be displayed.



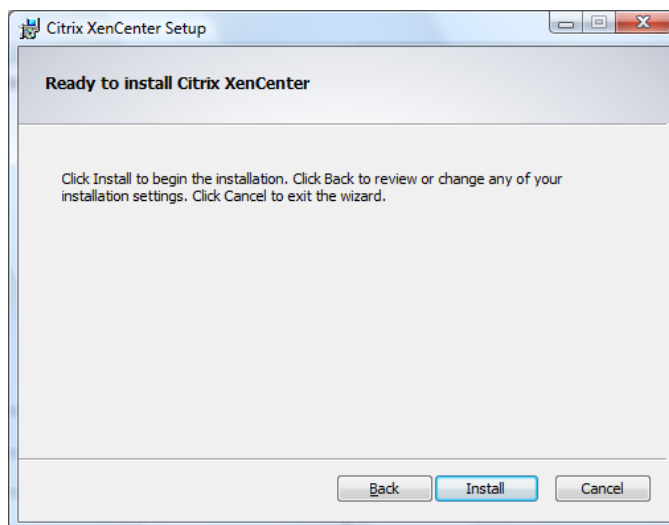
On the **Welcome to the Citrix XenCenter Setup Wizard** screen, click **Next** to start the installation.



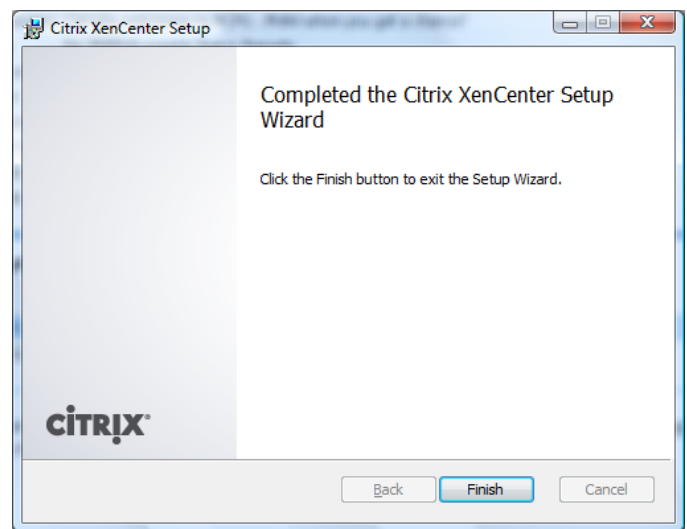
Select the target installation location, and install for **All Users**, then click **Next**



Click **Install** to begin the installation process.



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

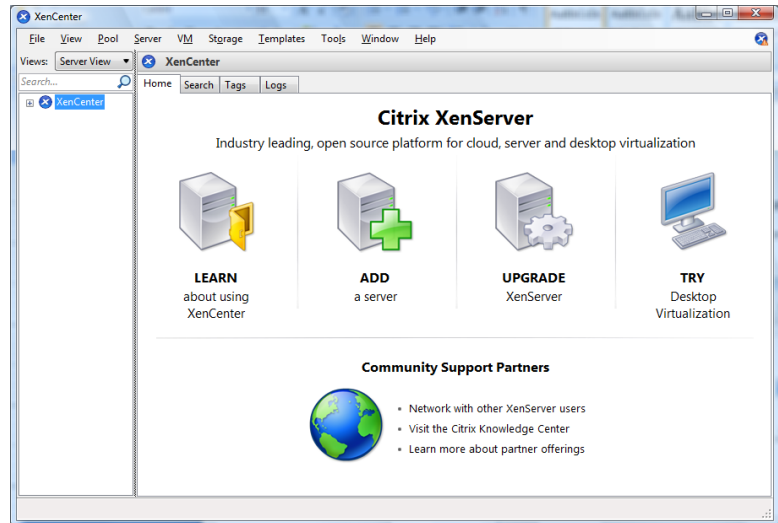


You are now ready to manage your XenServer host. You can move onto the Manage XenServer section.

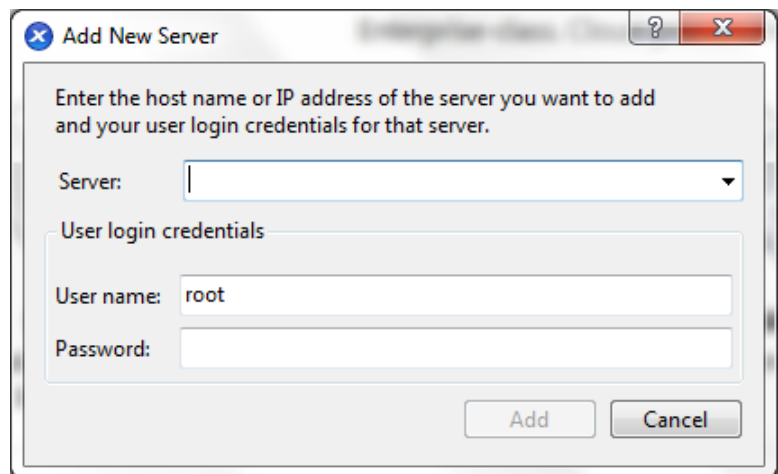
Manage XenServer

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



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:

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

As open source software, XenServer support is available from both the community and via Citrix Premier Support.

- Community support: <http://xenserver.org>
- Citrix support forums: <http://forums.citrix.com/category.jspa?categoryID=101>
- Citrix Premier Support: <http://www.citrix.com/support/programs/software-support.html>

About Citrix

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