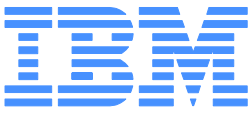

iSCSI Boot SLES 10 SP3

Software-Based iSCSI Boot
For SLES 10 on IBM System x Servers

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Note

Before using this information and the product it supports, read the information in “Notices”, on page 36.

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1 SLES 10 SP3

This document provides a general description of an example iSCSI SAN install. For additional information consult the appropriate operating system documentation.

1.1 Prerequisites

Refer to the SAN Guide and follow the preparation procedures including applying all applicable updates and configuration of your SAN. The San Guide is located via the following link:

http://www-03.ibm.com/servers/eserver/bladecenter/storage/iscsi.html

Before continuing the following steps need to be completed:

1. Confirm the Server supports iSCSI Boot
2. Perform the Update steps
3. Configure and test an example SAN
4. Create a blank LUN to receive the OS installation
5. Configure the Server to login to the blank LUN

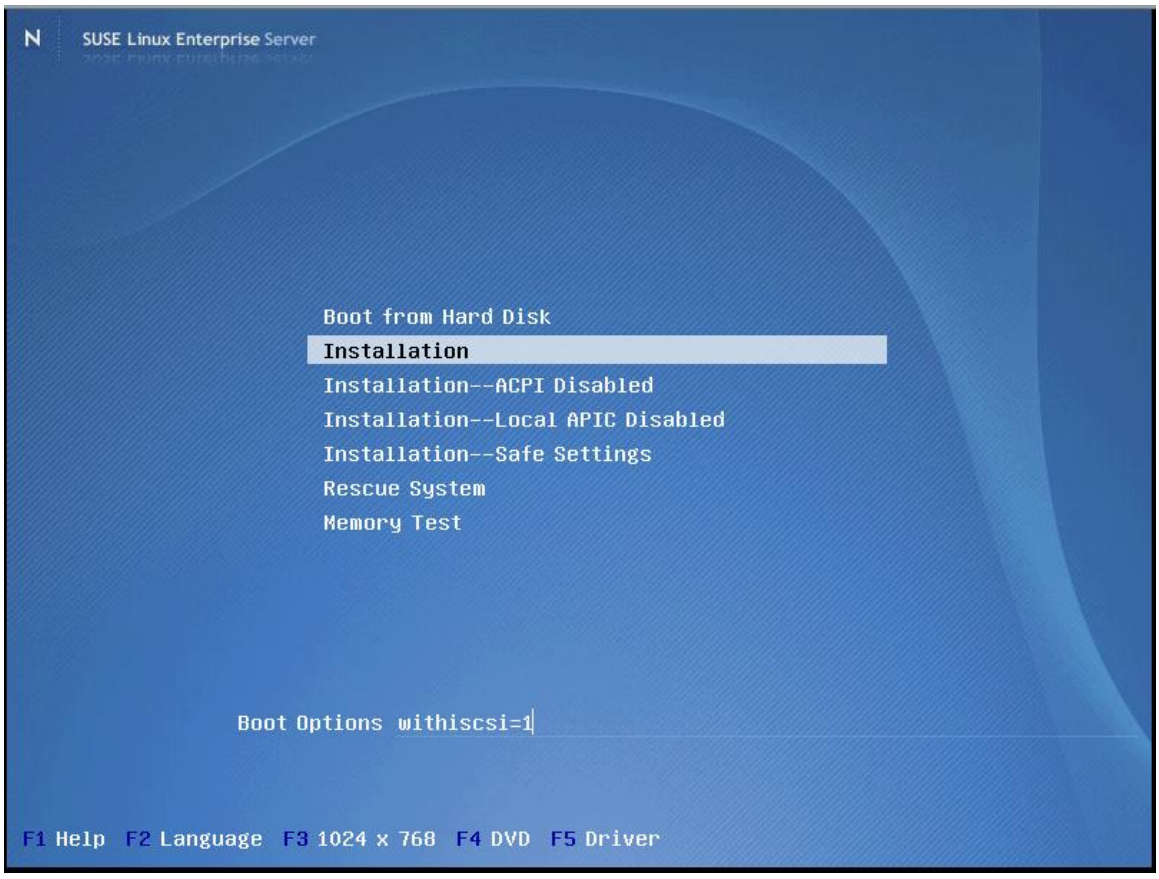
1.2 Install SLES 10 SP3

The list of possible consoles used to install SLES 10 includes a local console or "Remote Console" via the web interface of the Management Module (MM). Use of the Remote Console will require selecting a video mode compatible with the Remote Console. See the Help (ie "?" link) on the MM Remote Console web page.

1.2.1 Installation Settings

Start the installation as follows:

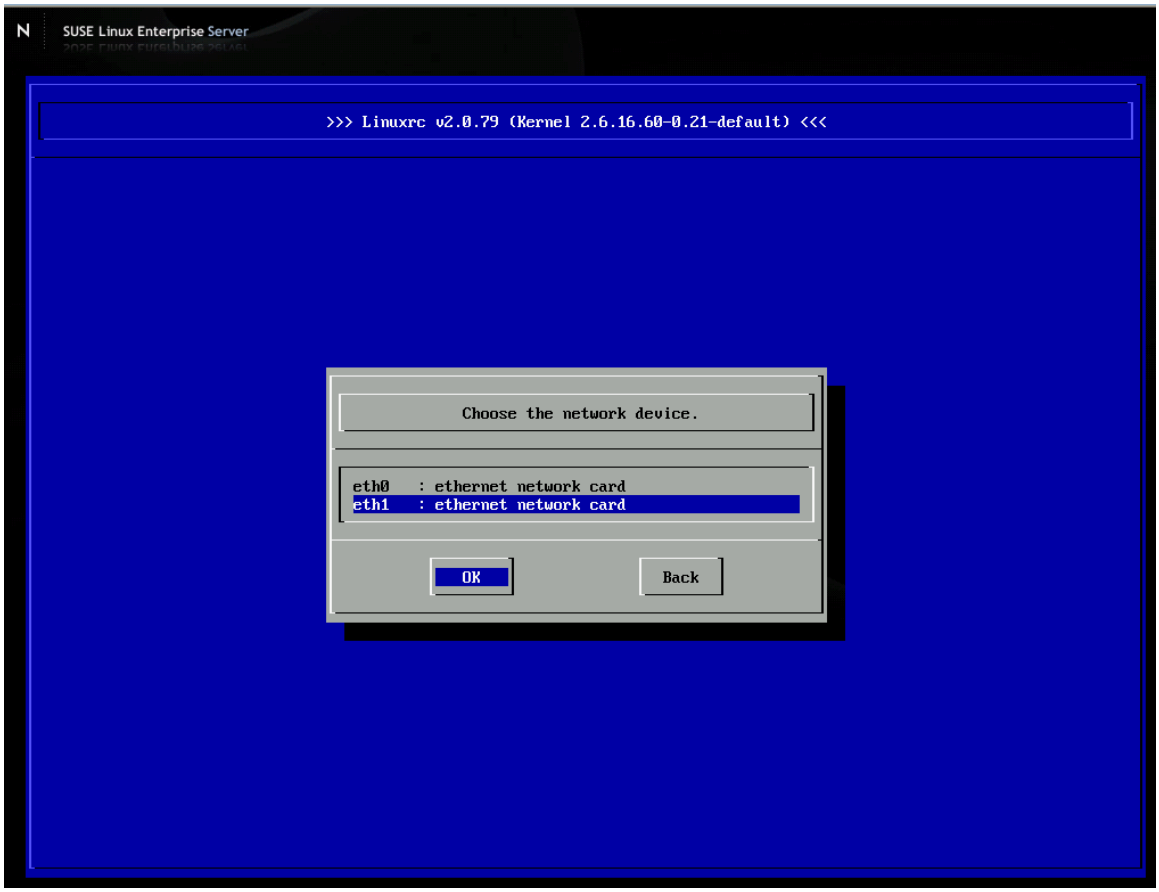
1. Boot the SUSE Linux Enterprise Server 10 SP3 DVD (or CD 1).
2. Press F3 and select 1024x768
3. For an iSCSI Boot installation, select Installation and enter
   withiscsi=1
   at the Boot Options prompt.
4. Press Enter.



1.2.2 Network

1.2.2.1 Network Device

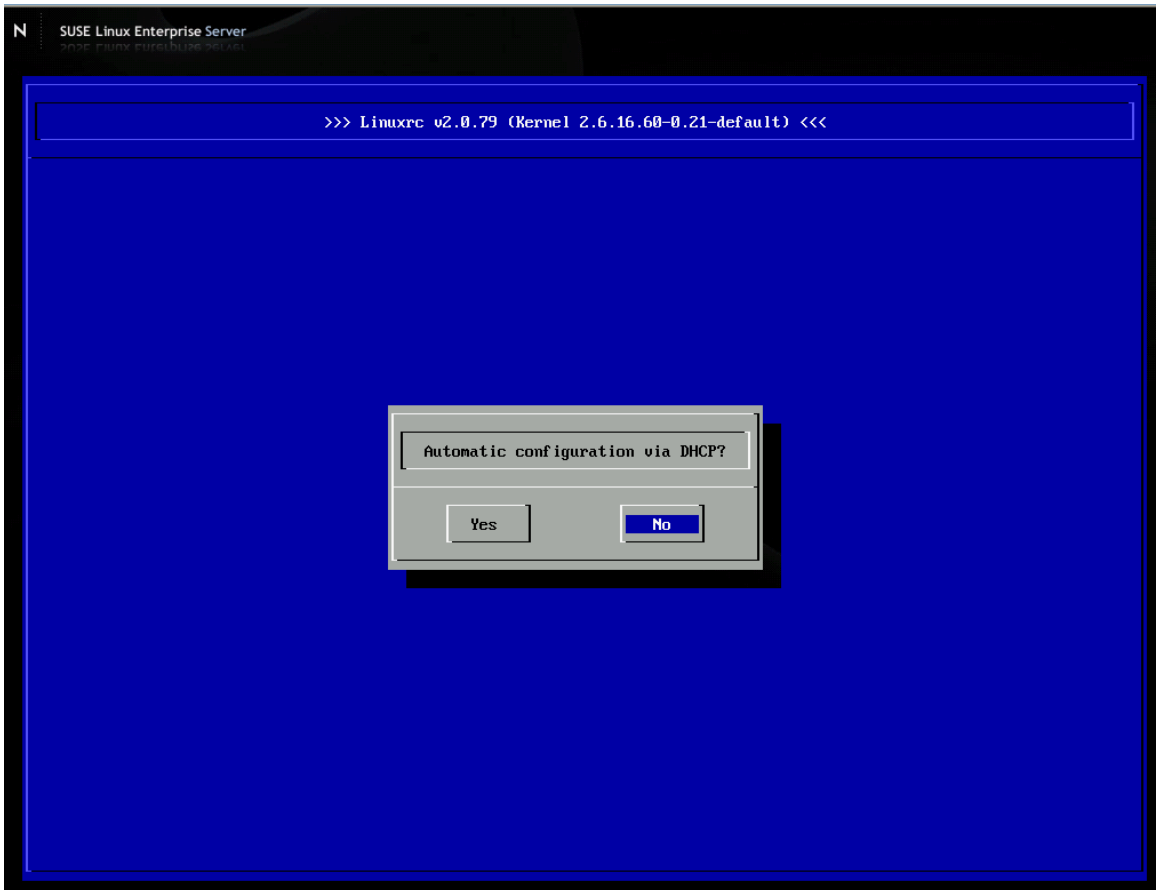
Select the device connected to the iSCSI SAN.



Select OK.

1.2.2.2 Network Configuration

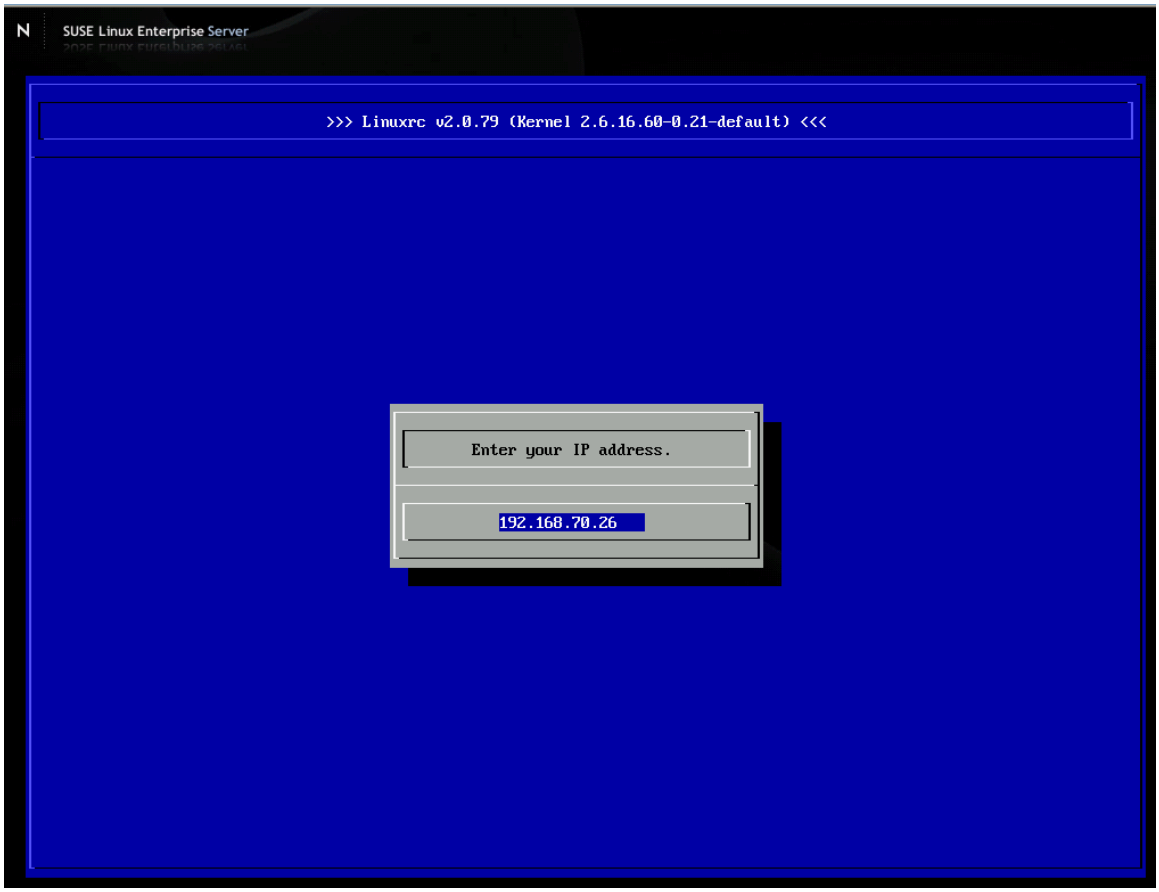
At the “Automatic configuration via DHCP” prompt make a selection based on your network infrastructure.



In this example click No.

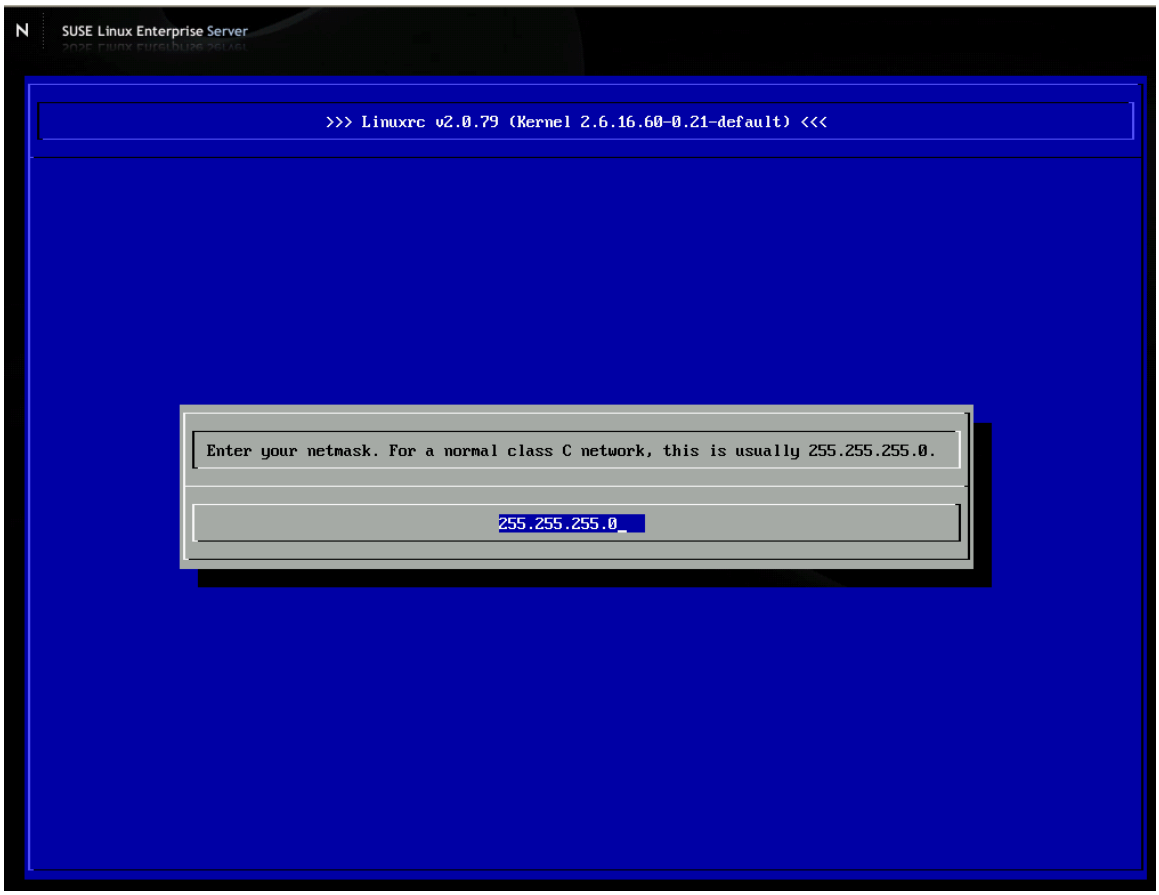
1.2.2.3 Enter IP Address

If you selected “No” to DHCP you will be prompted to enter your networking information.



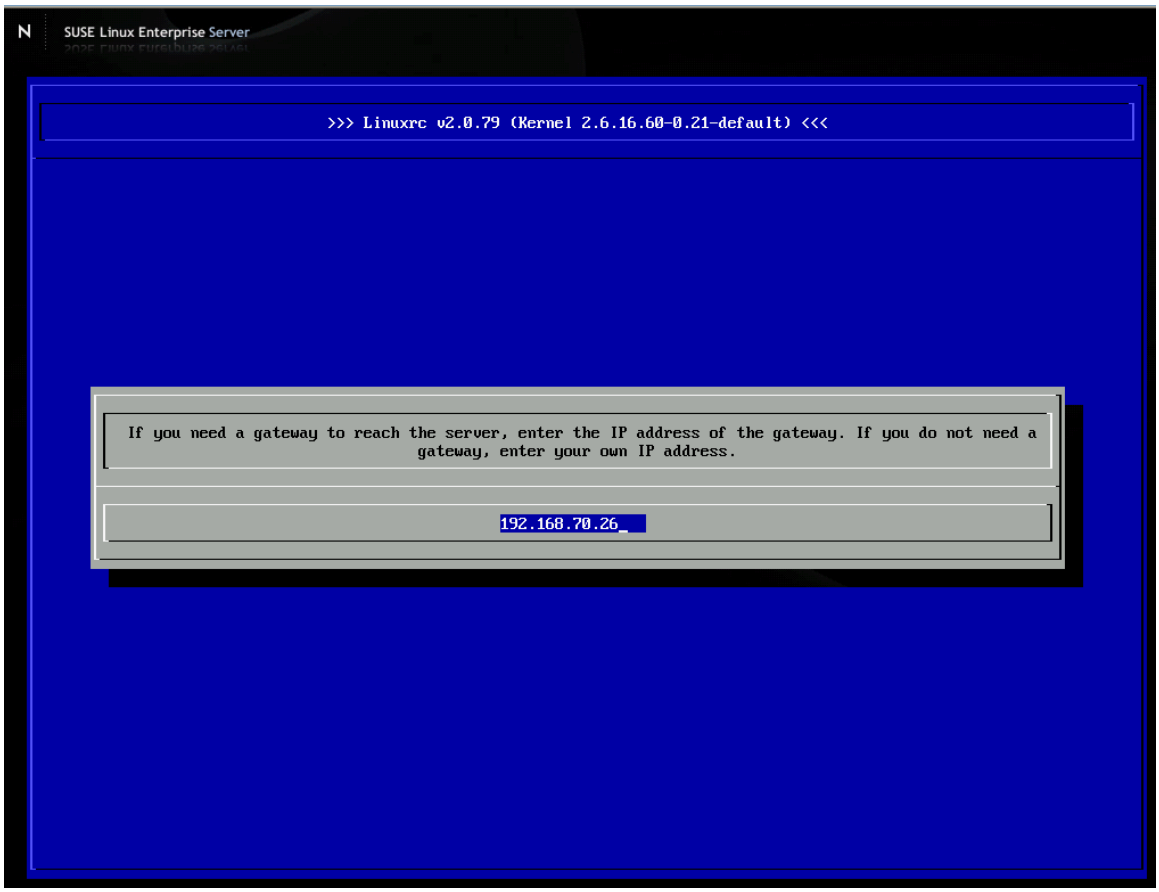
Press Enter.

1.2.2.4 Netmask



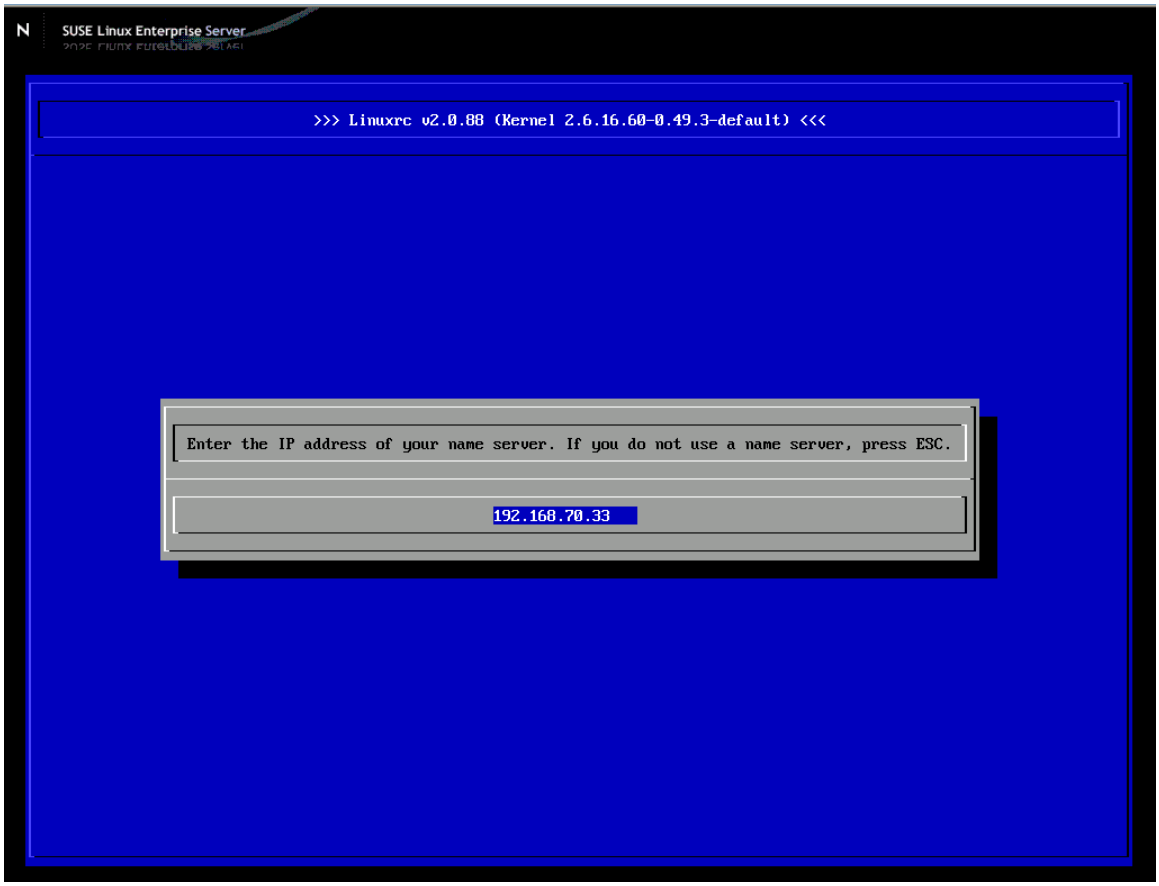
Enter your netmask and press Enter.

1.2.2.5 Gateway



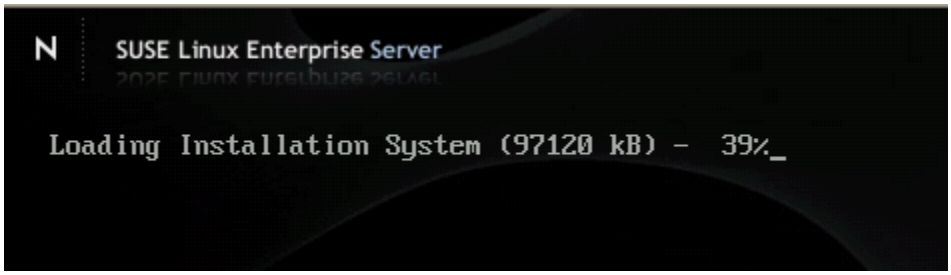
Enter your gateway IP address, note the instructions, and press Enter.

1.2.2.6 Name Server



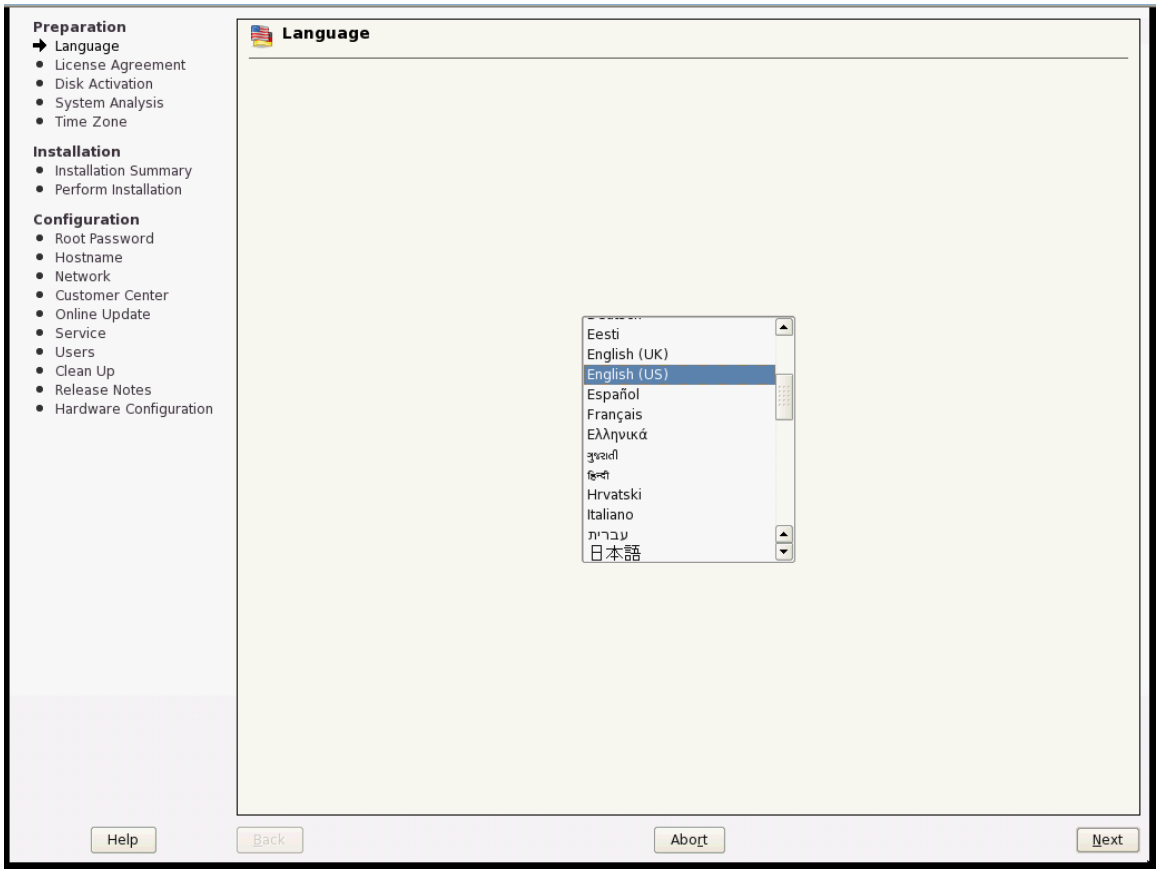
Enter your name server IP address, note the instructions, and press Enter or ESC as appropriate.

1.2.3 Loading


SUSE Linux Enterprise Server
Loading Installation System (97120 kB) - 39%

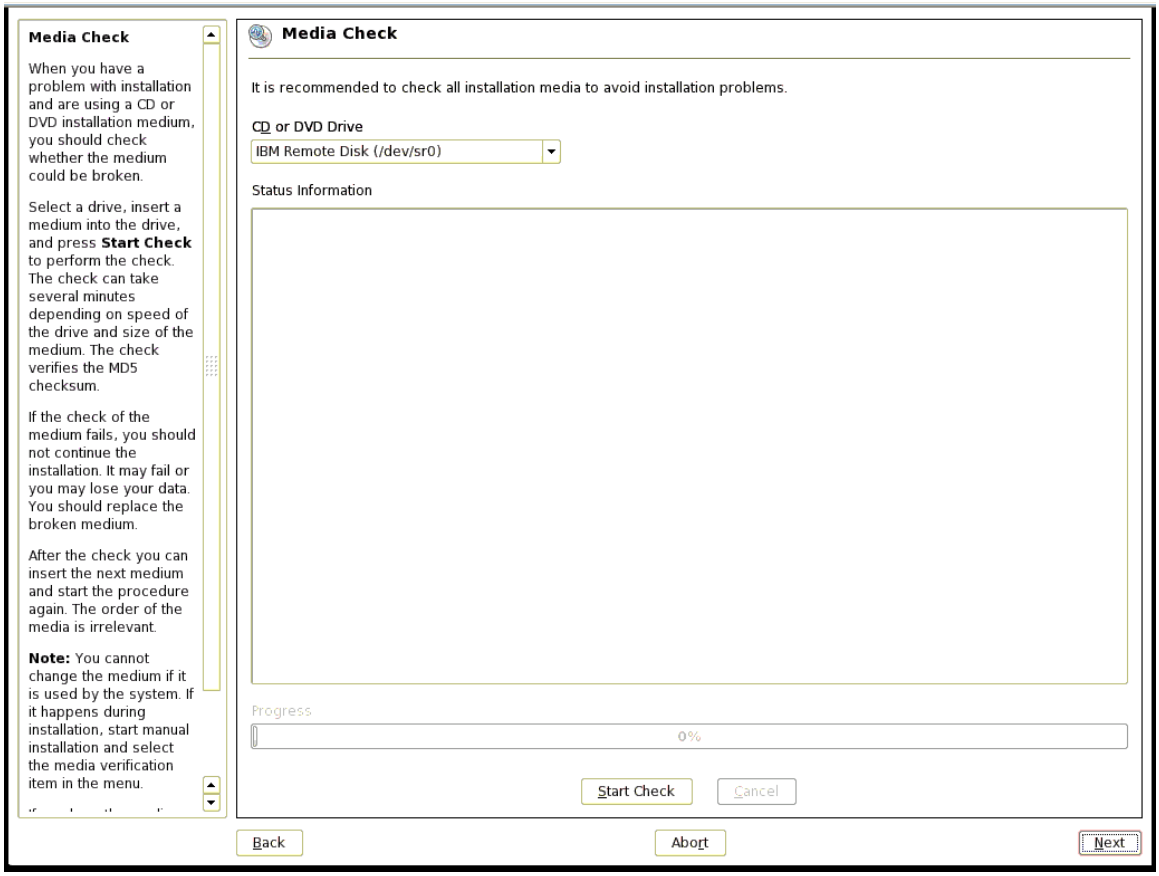
1.2.4 Language

Select your language.



Click Next.

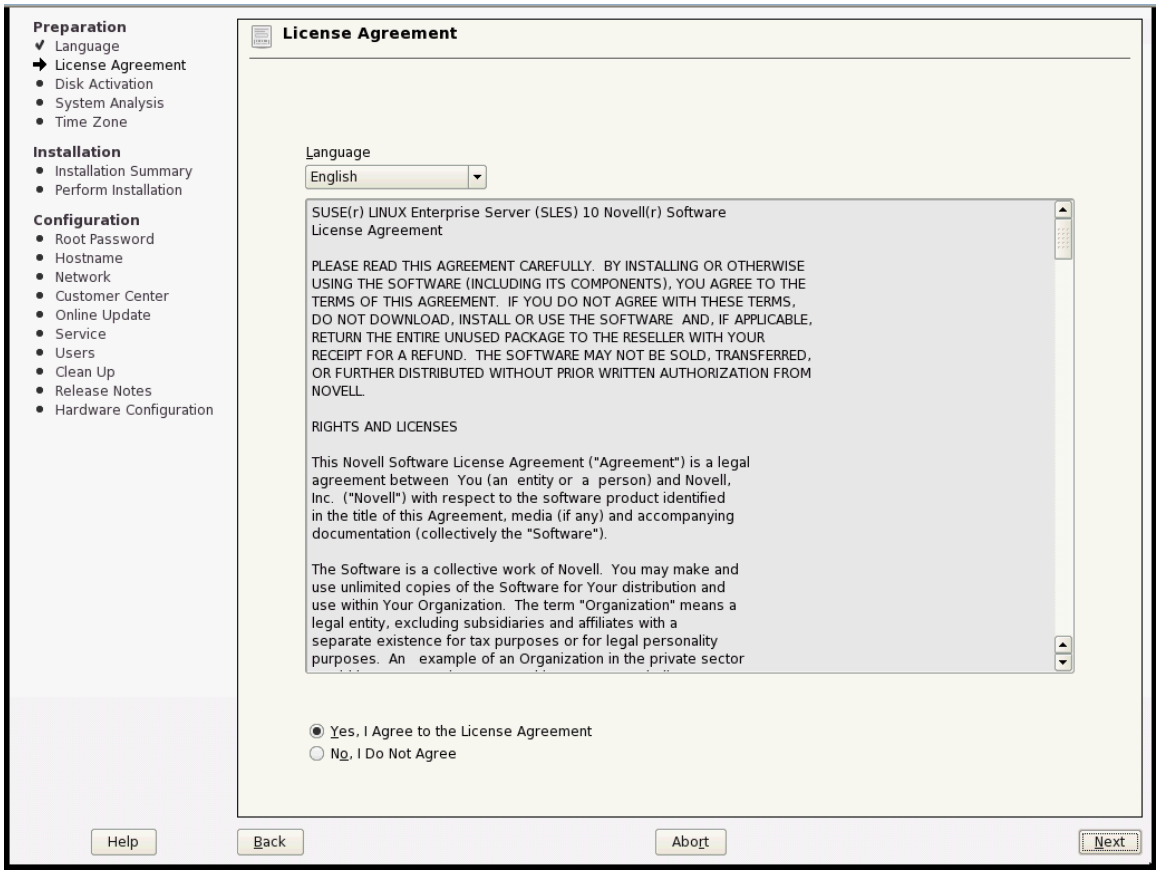
1.2.5 Media Check



Click Next.

1.2.6 License

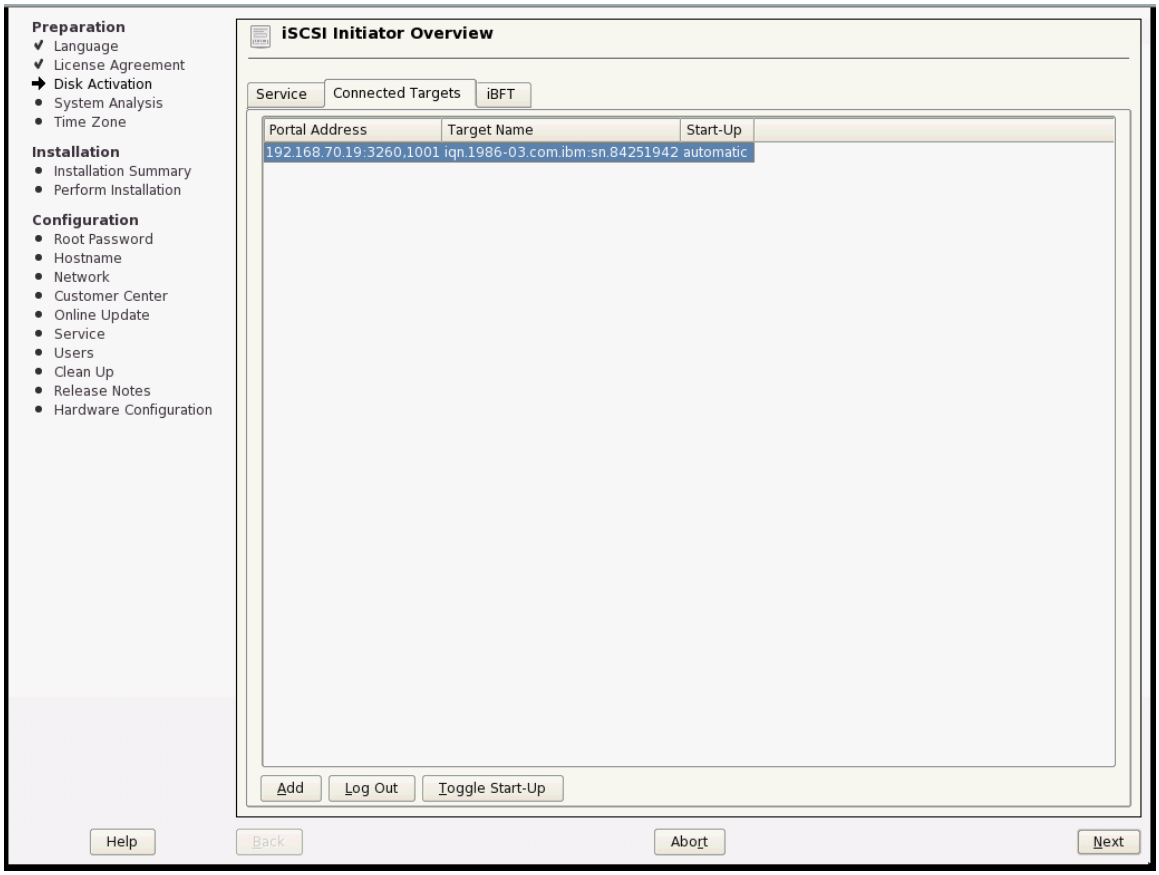
Read the License Agreement, and if you agree select “Yes, I Agree to the License Agreement”.



Click Next.

1.2.7 iSCSI Initiator Overview

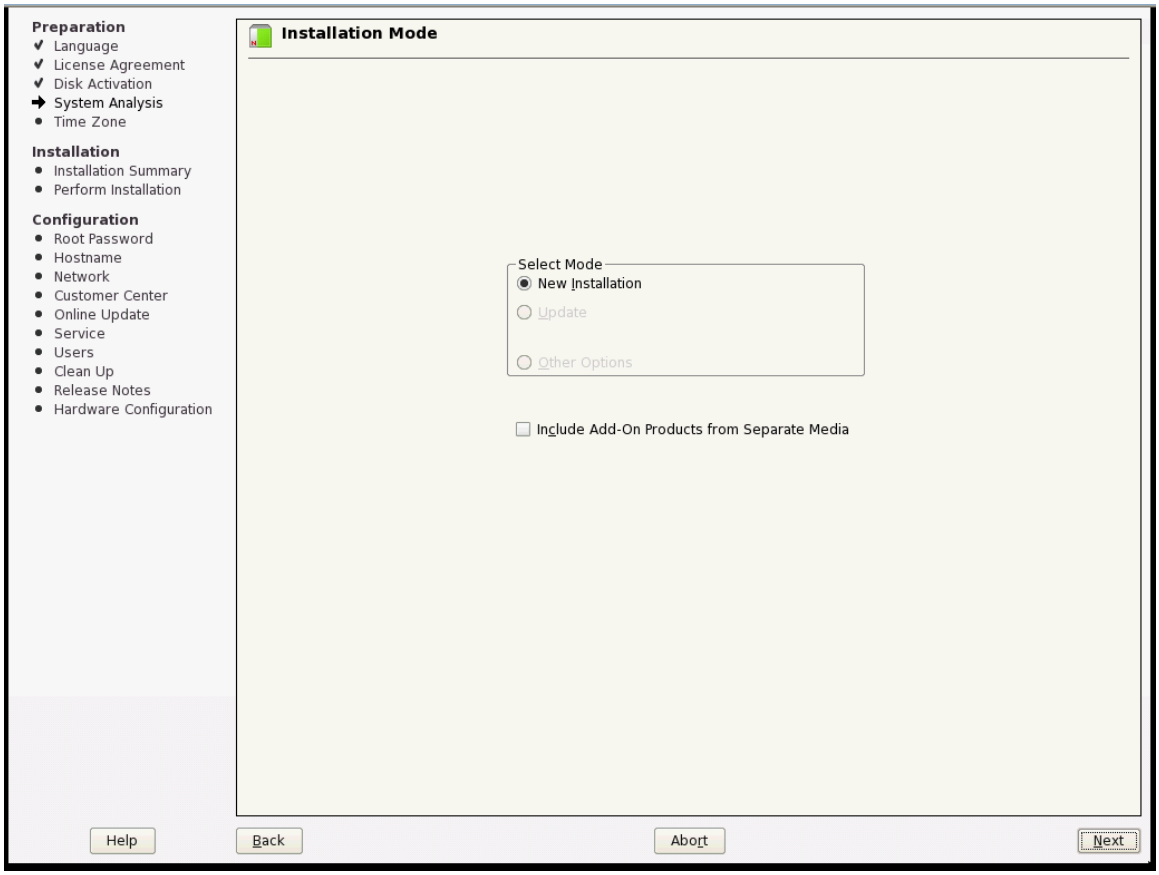
The iSCSI Target is displayed. Note that the Target information is passed from the Server firmware to the operating system automatically.



Click Next.

1.2.8 Installation Mode

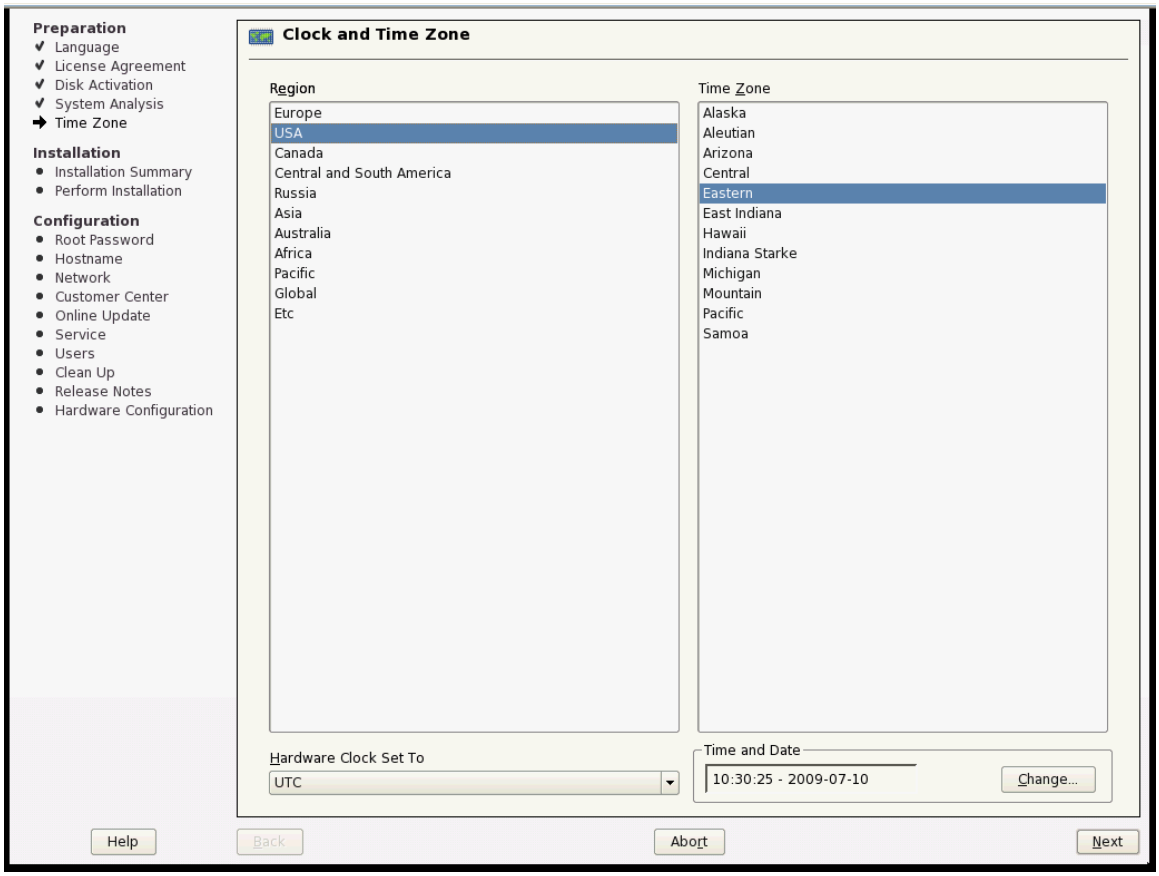
Select New Installation.



Click Next.

1.2.9 Clock and Time Zone

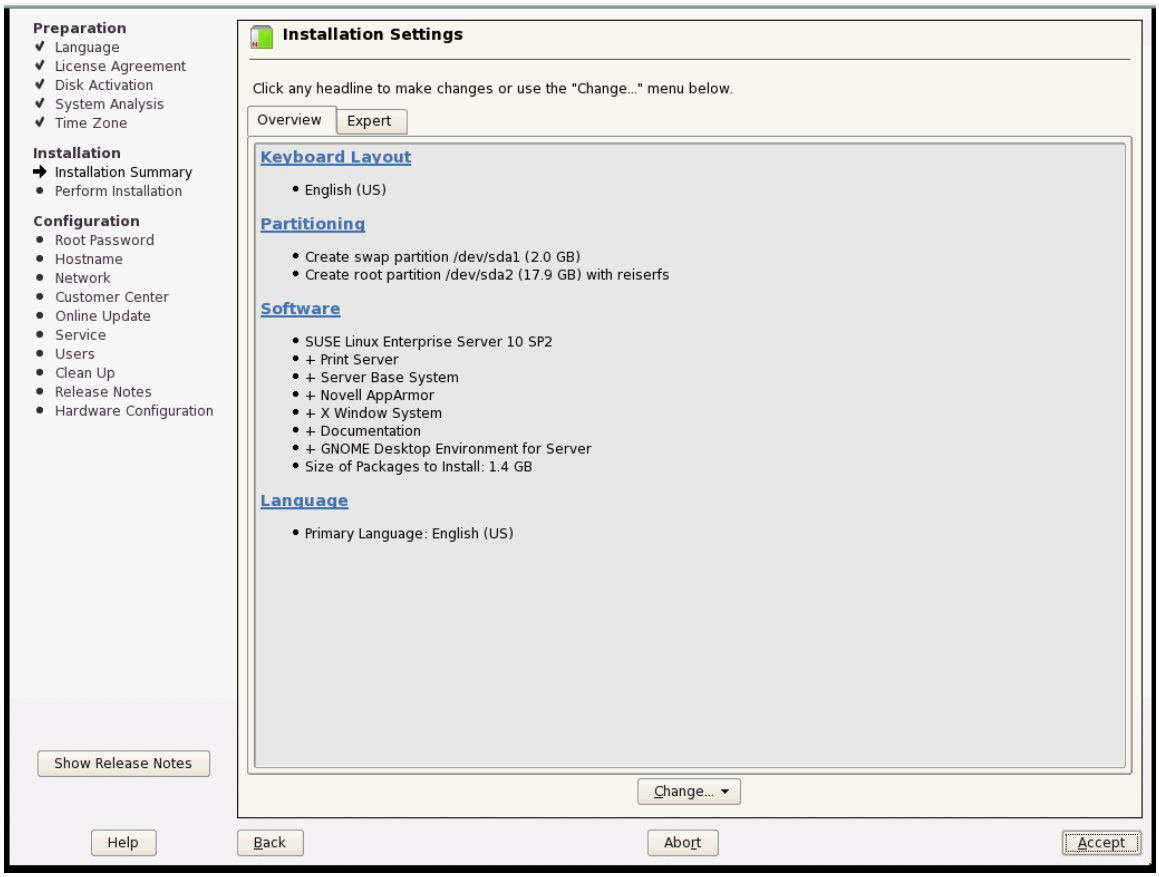
In the "Clock and Time Zone" screen, select the applicable Region, Time Zone, and Hardware Clock settings. Change the time and date if necessary.



Click Next.

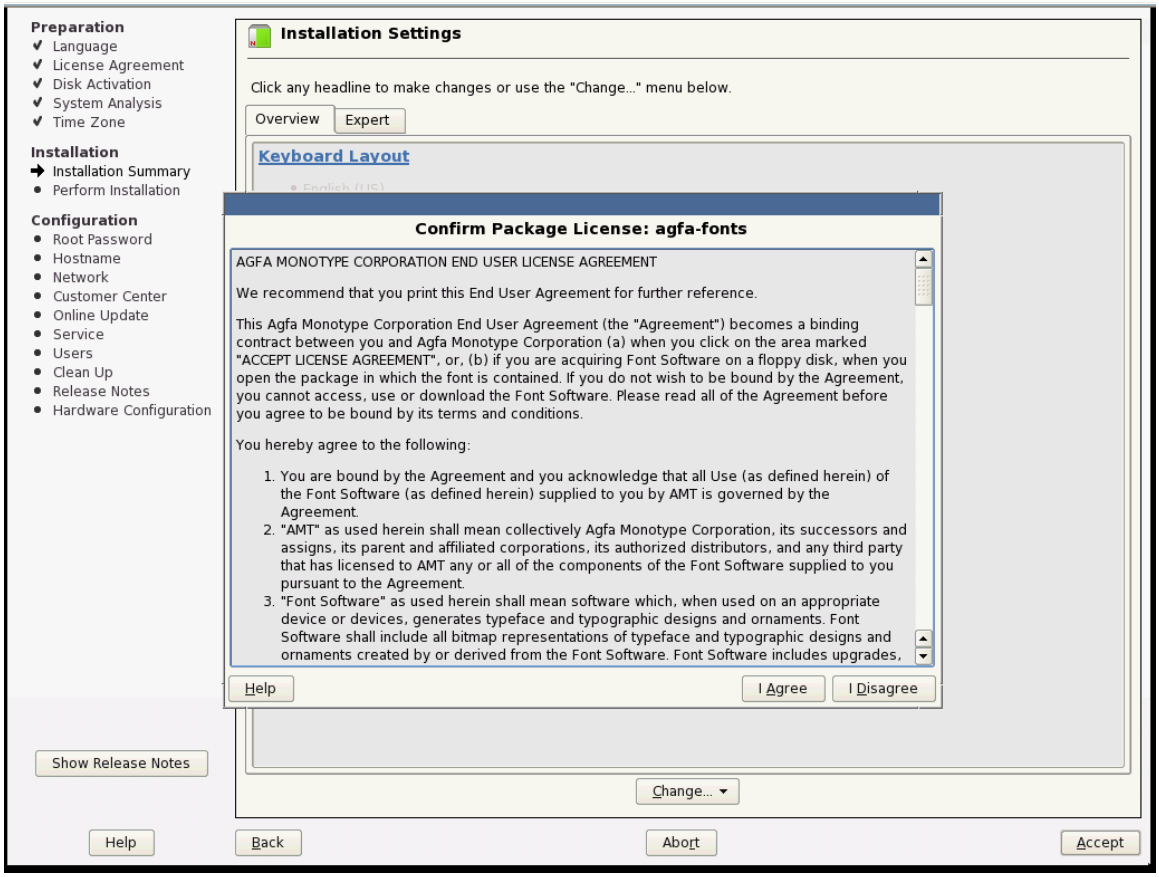
1.2.10 Installation Settings

The defaults are fine for this example install. Make changes appropriate to your requirements.



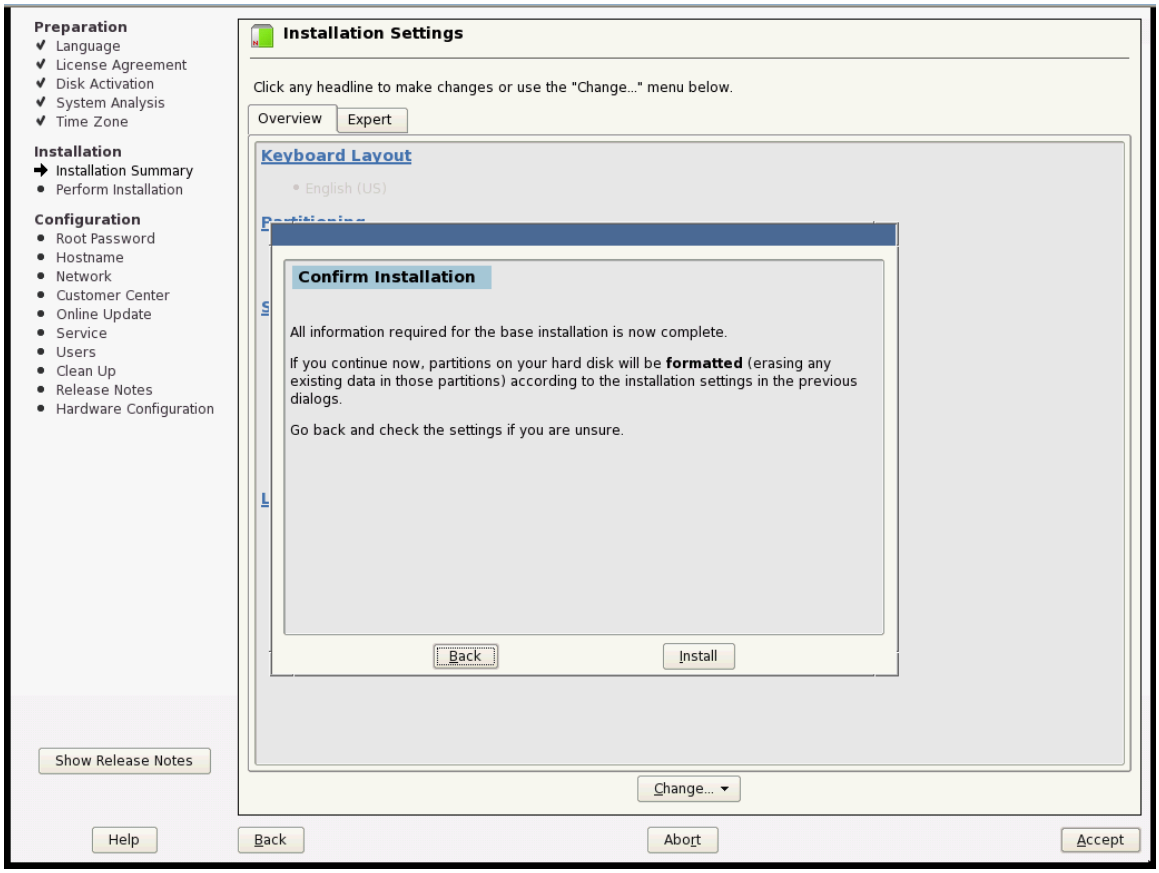
Click Accept.

1.2.11 License Pop Ups



If you agree click I Agree.

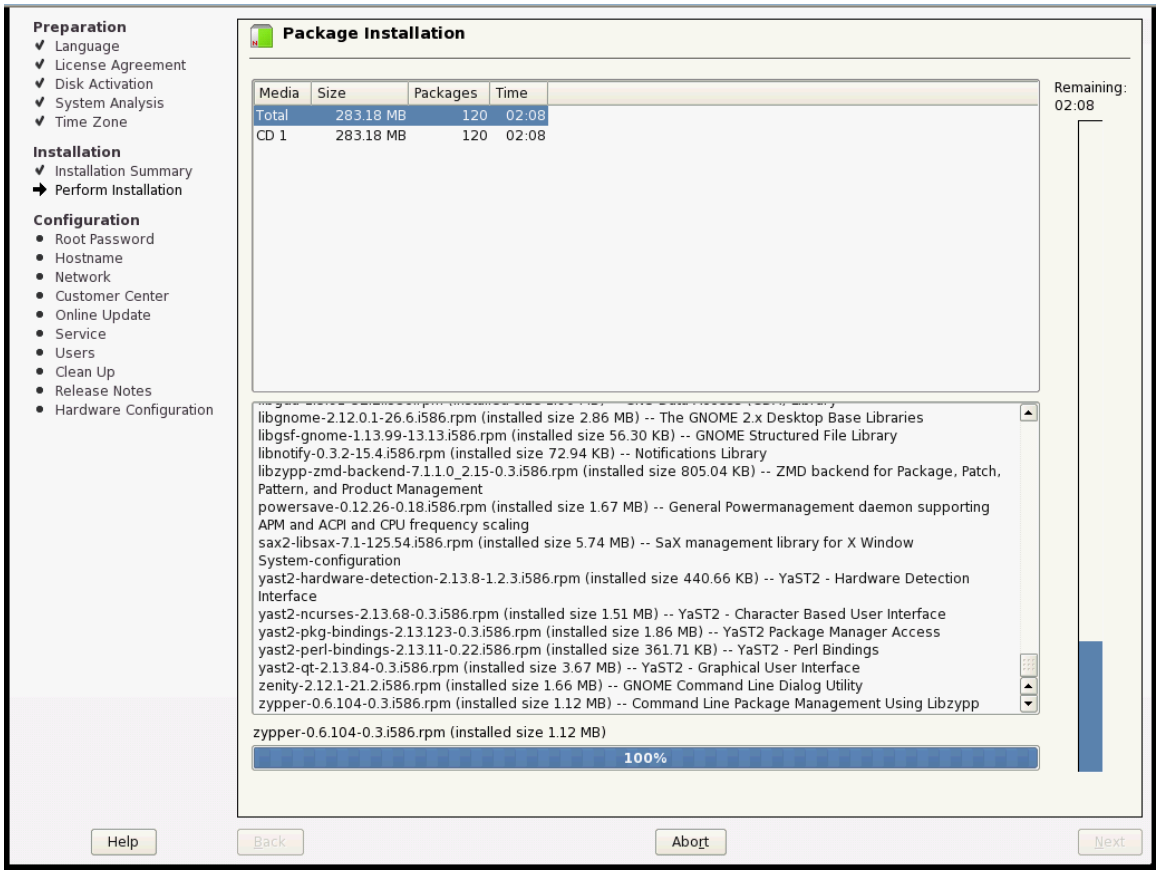
1.2.12 Confirm Install



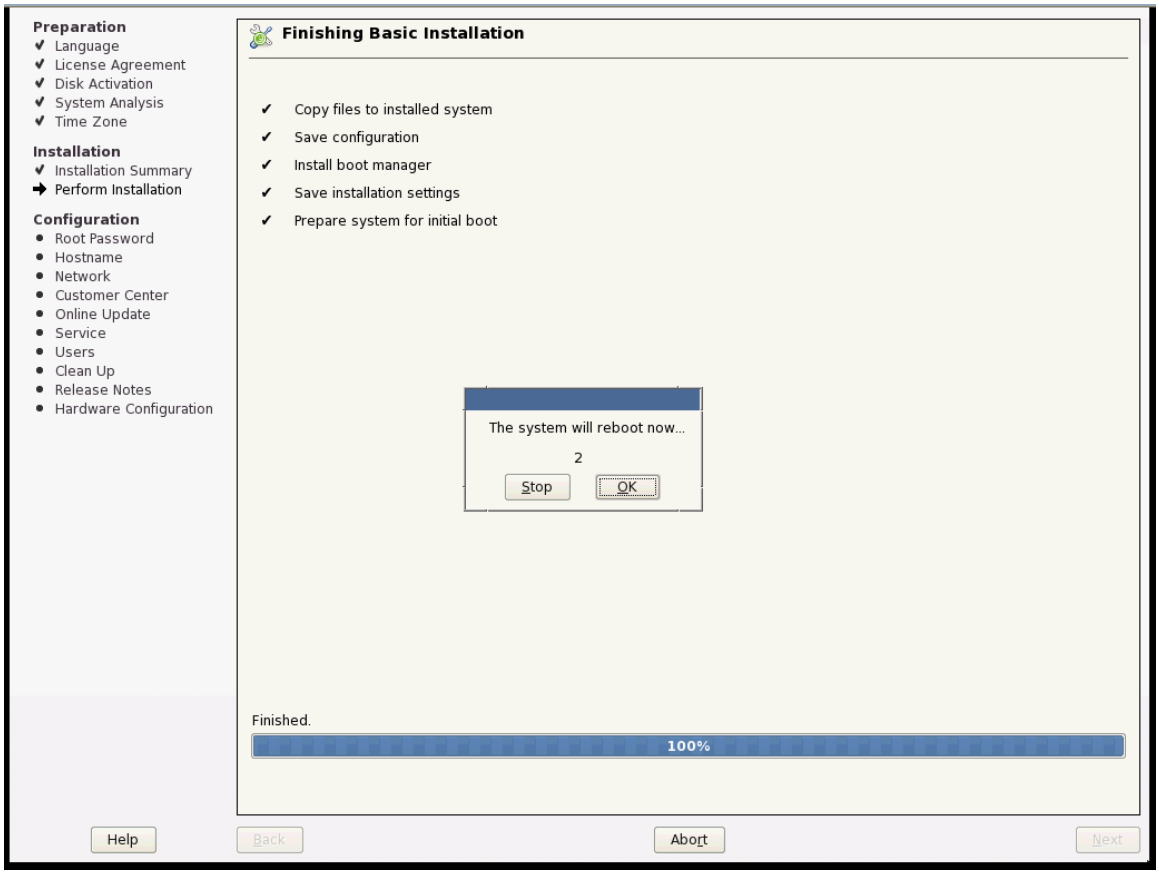
Click Install.

1.2.13 Package Installation

Installation proceeds...



1.2.14 Finishing Basic Installation

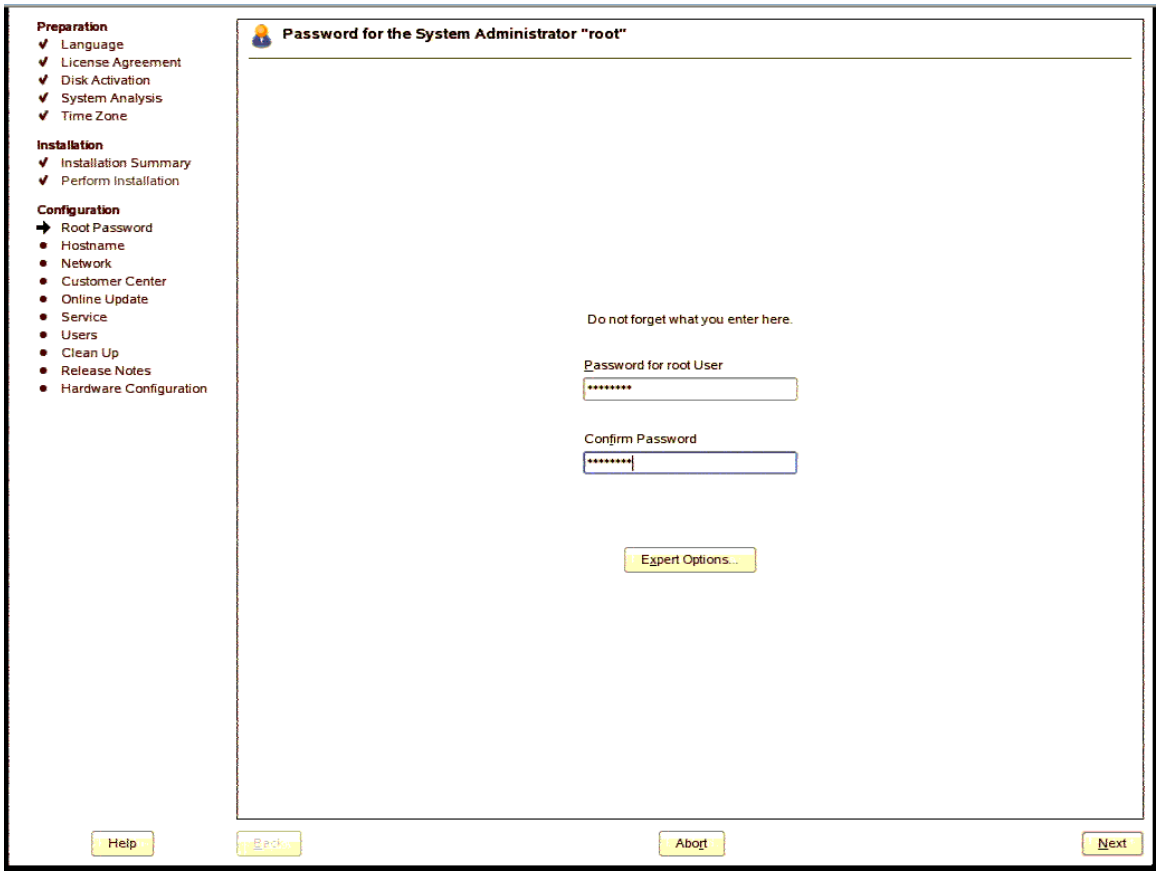


When this phase completes the system reboots.

Various countdown and initialization panels appear and then proceed.

1.2.15 Password

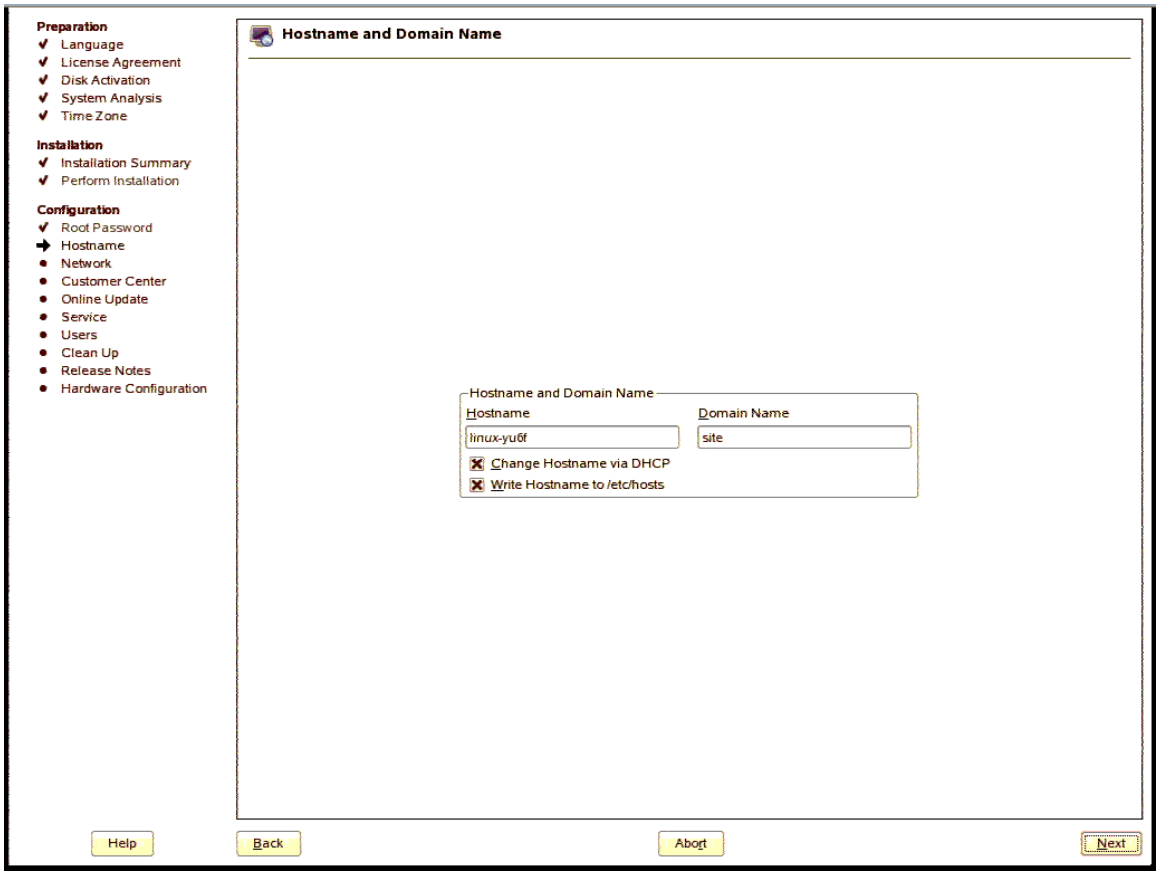
Enter the password for the root user.



Click Next.

1.2.16 Hostname and Domain Name

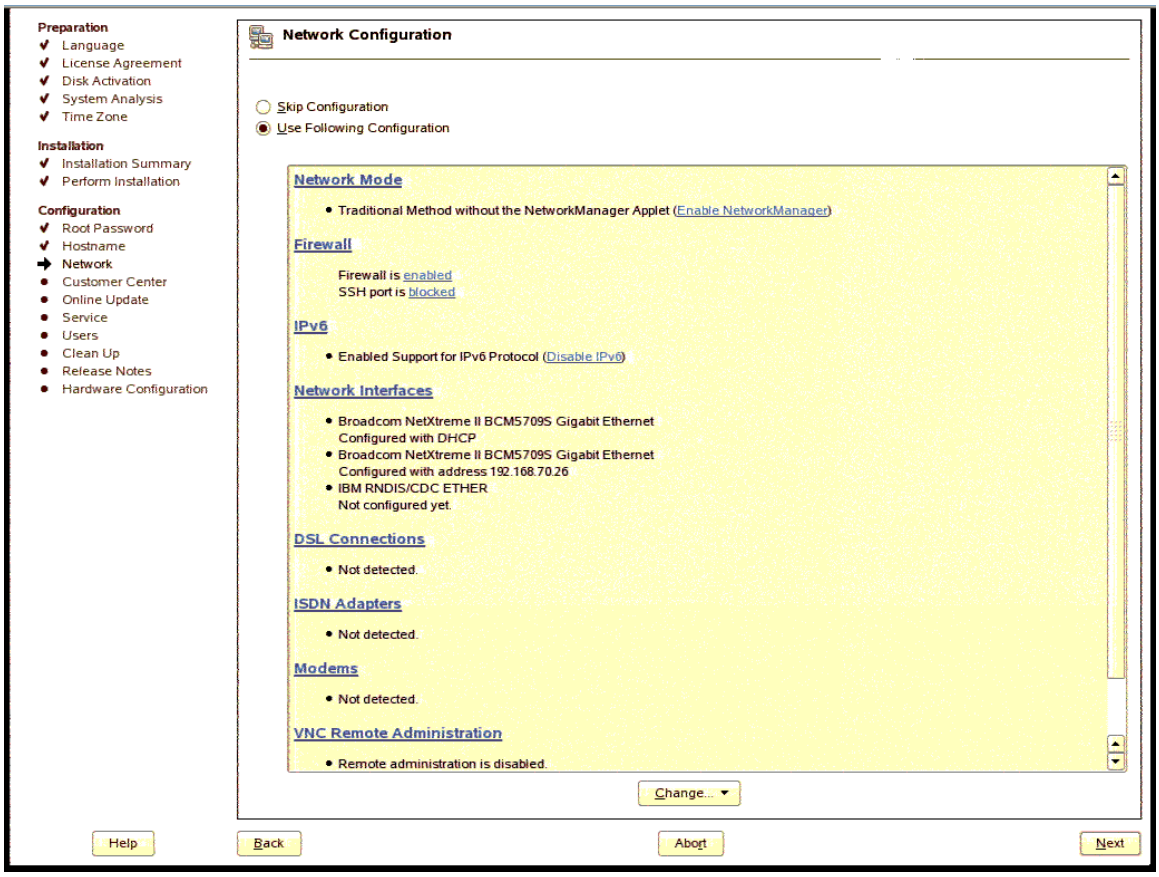
Update as appropriate.



Click Next.

1.2.17 Network Configuration

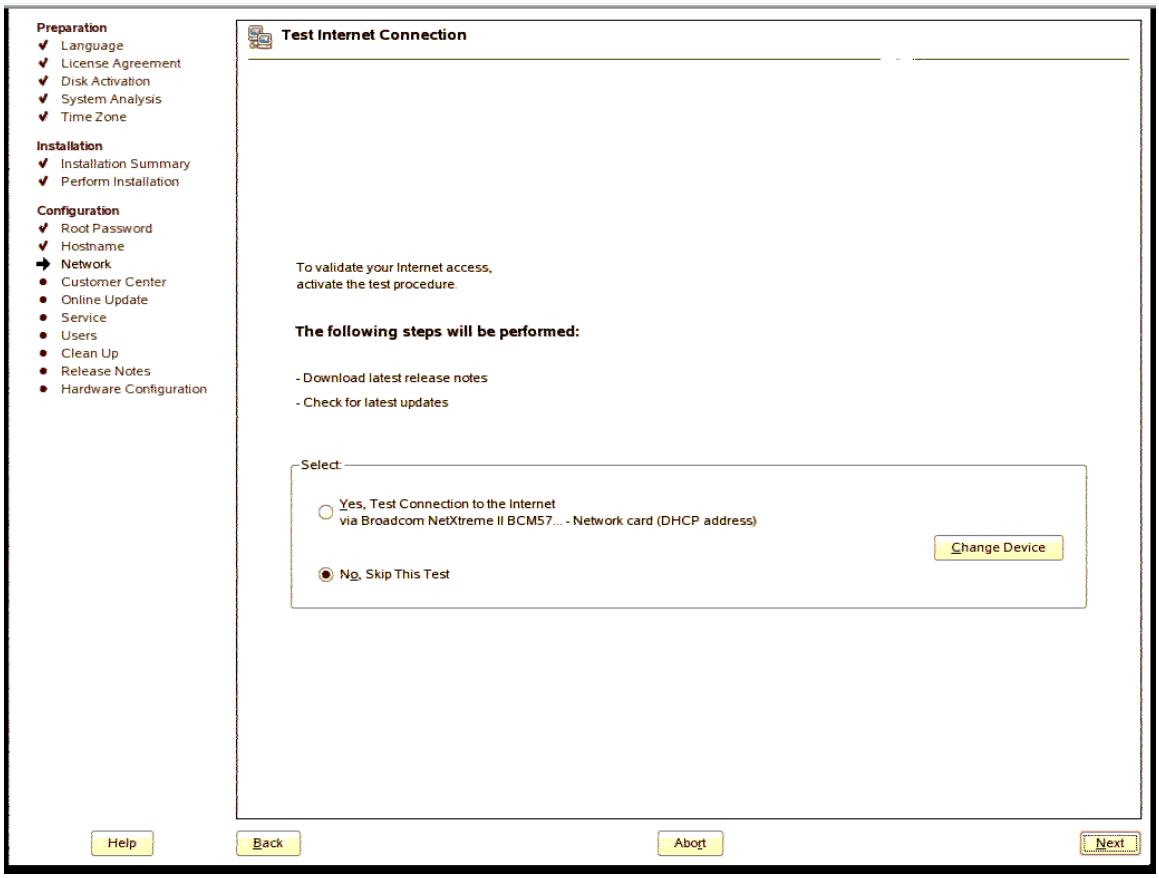
You might want to disable the firewall if you are testing in a secure lab environment. You can configure other NICs in the system at this time as well.



Click Next.

1.2.18 Test Internet Connection

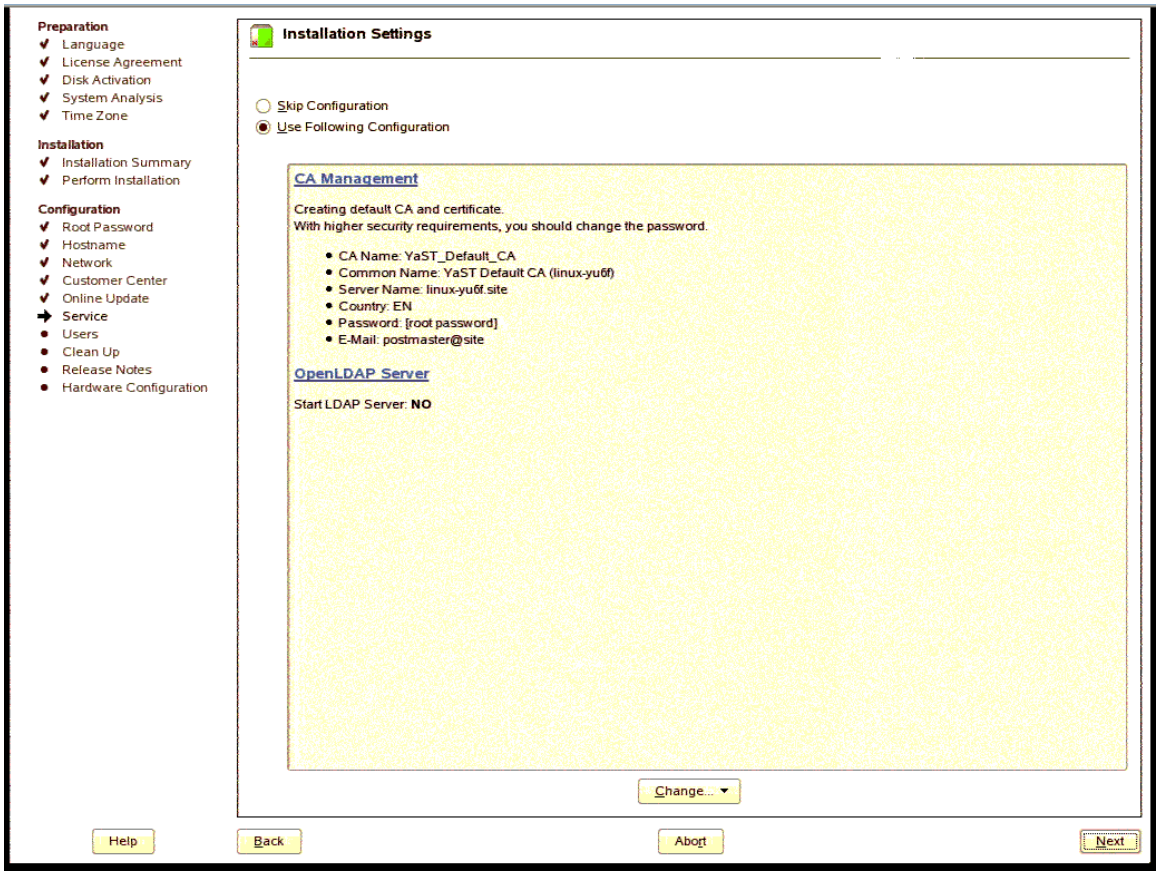
If you want to Test make sure you select the NIC that is connected to your LAN that is connected to the Internet.



Click Next.

1.2.19 Installation Settings

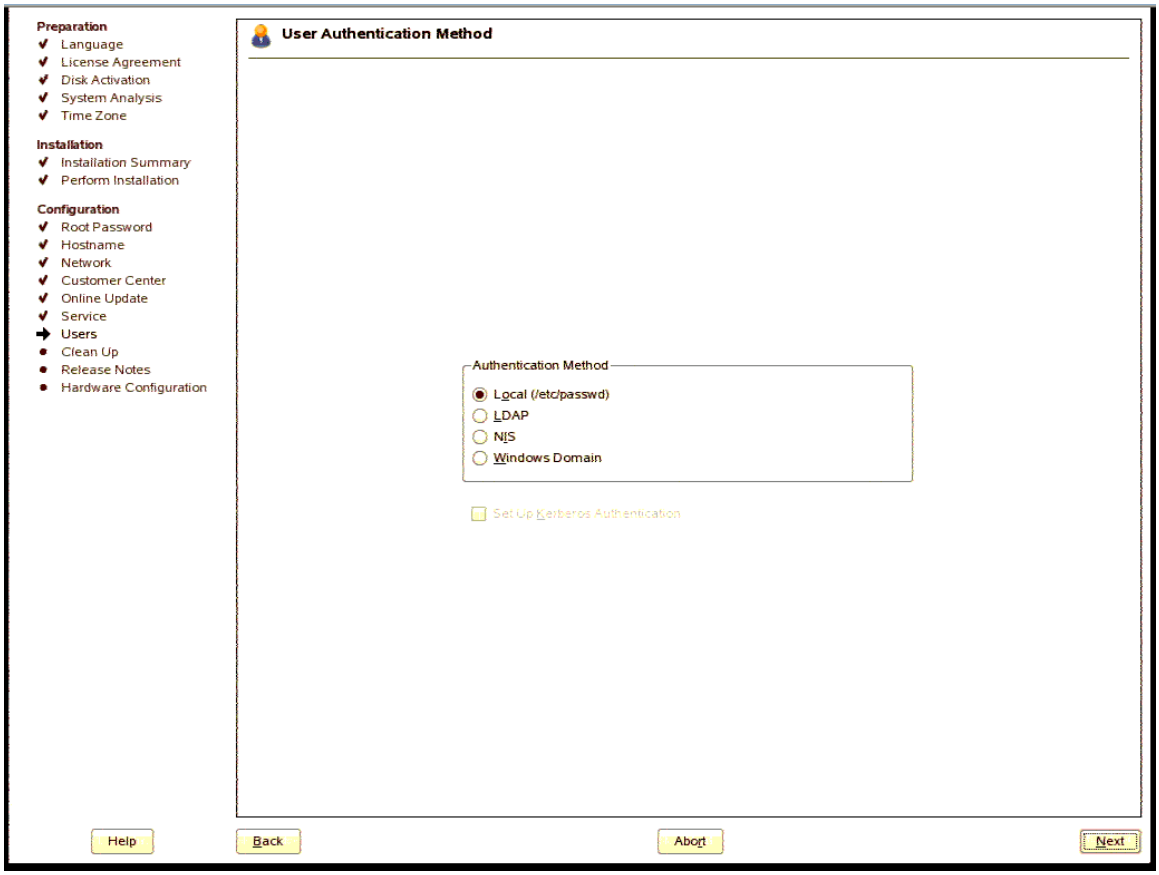
Change as required.



Click Next.

1.2.20 User Authentication Method

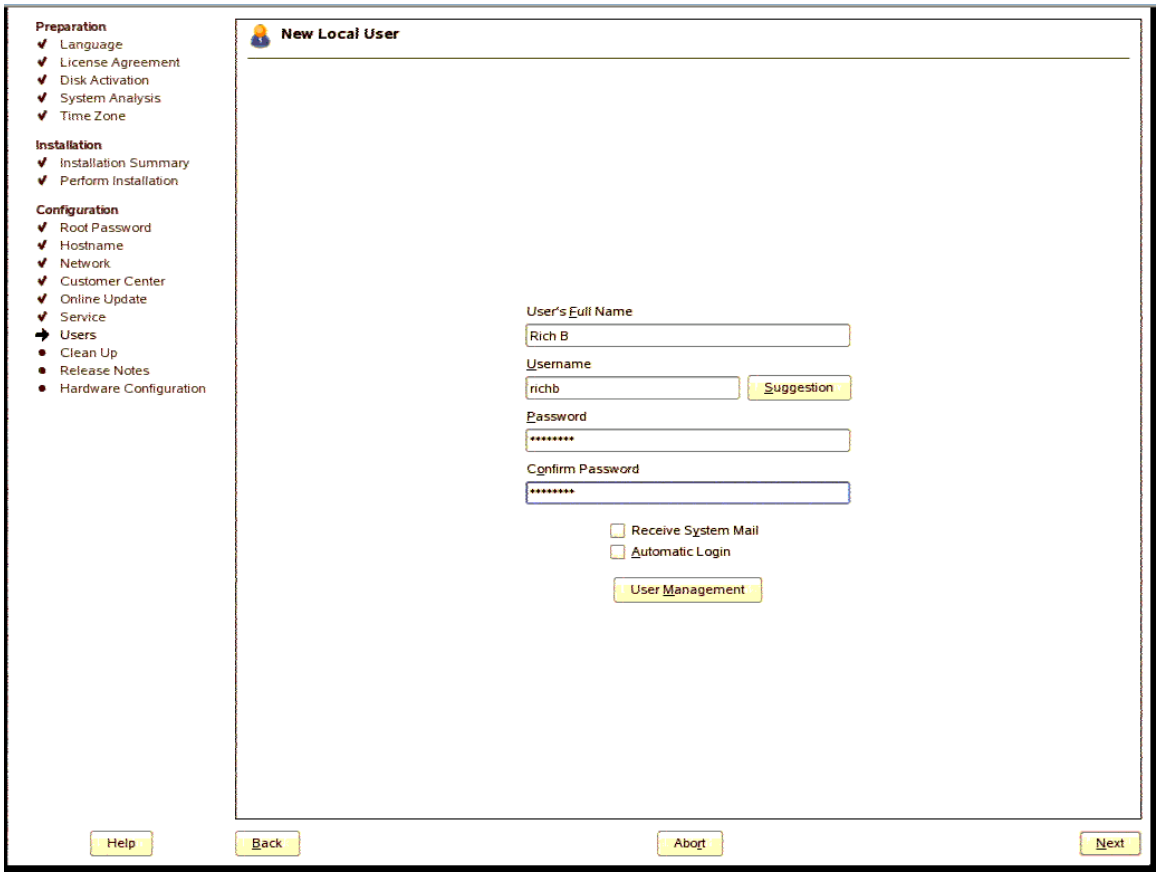
Select as appropriate.



Click Next.

1.2.21 New Local User

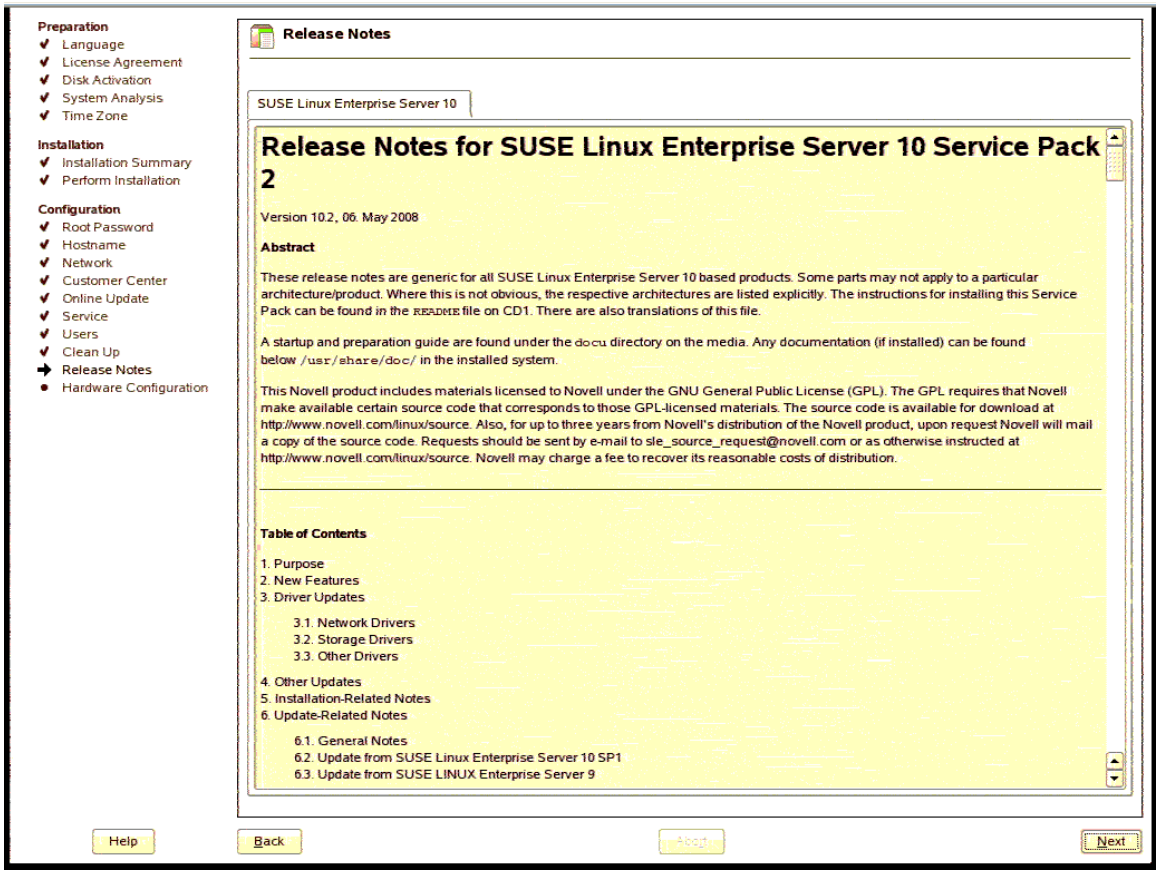
Enter user information.



Click Next.

1.2.22 Release Notes

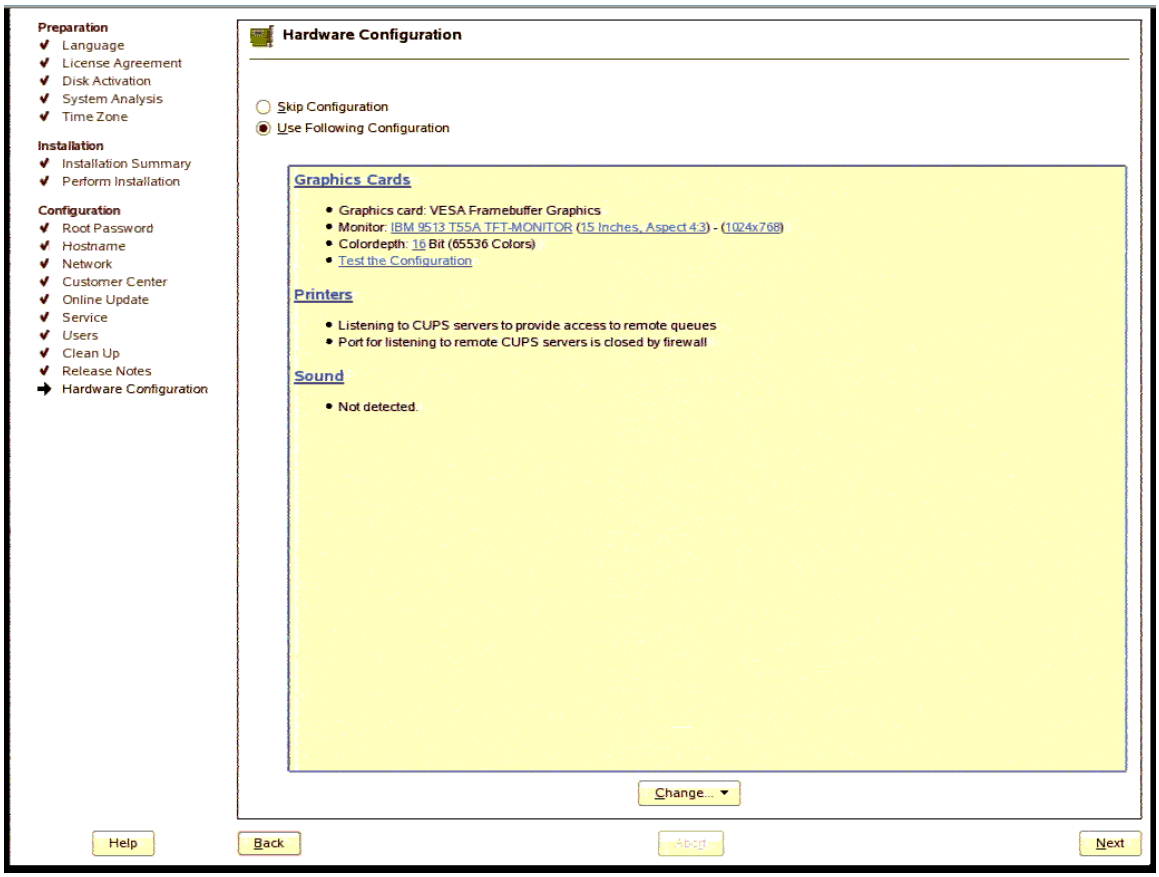
Browse the release notes.



Click Next.

1.2.23 Hardware Configuration

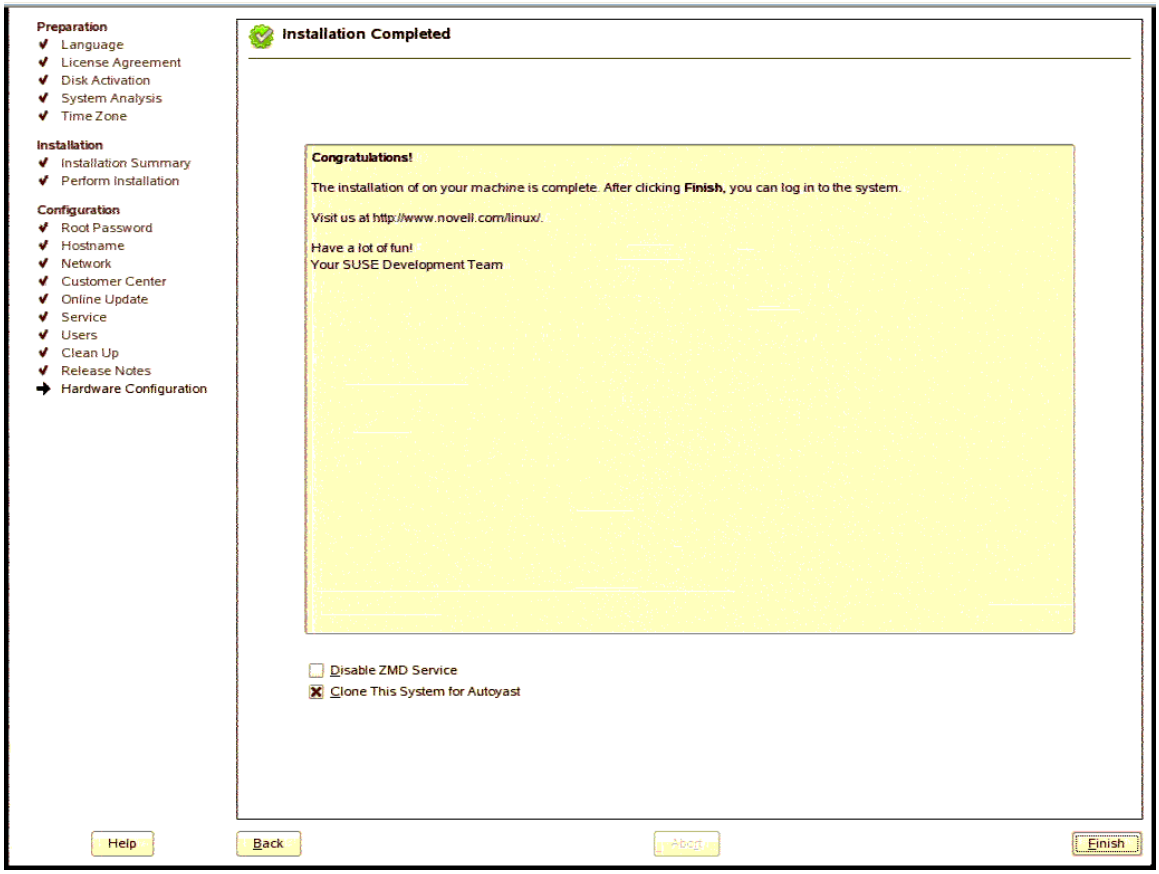
Test the configuration to be sure the video mode is compatible.



Click Next.

1.2.24 Installation Complete

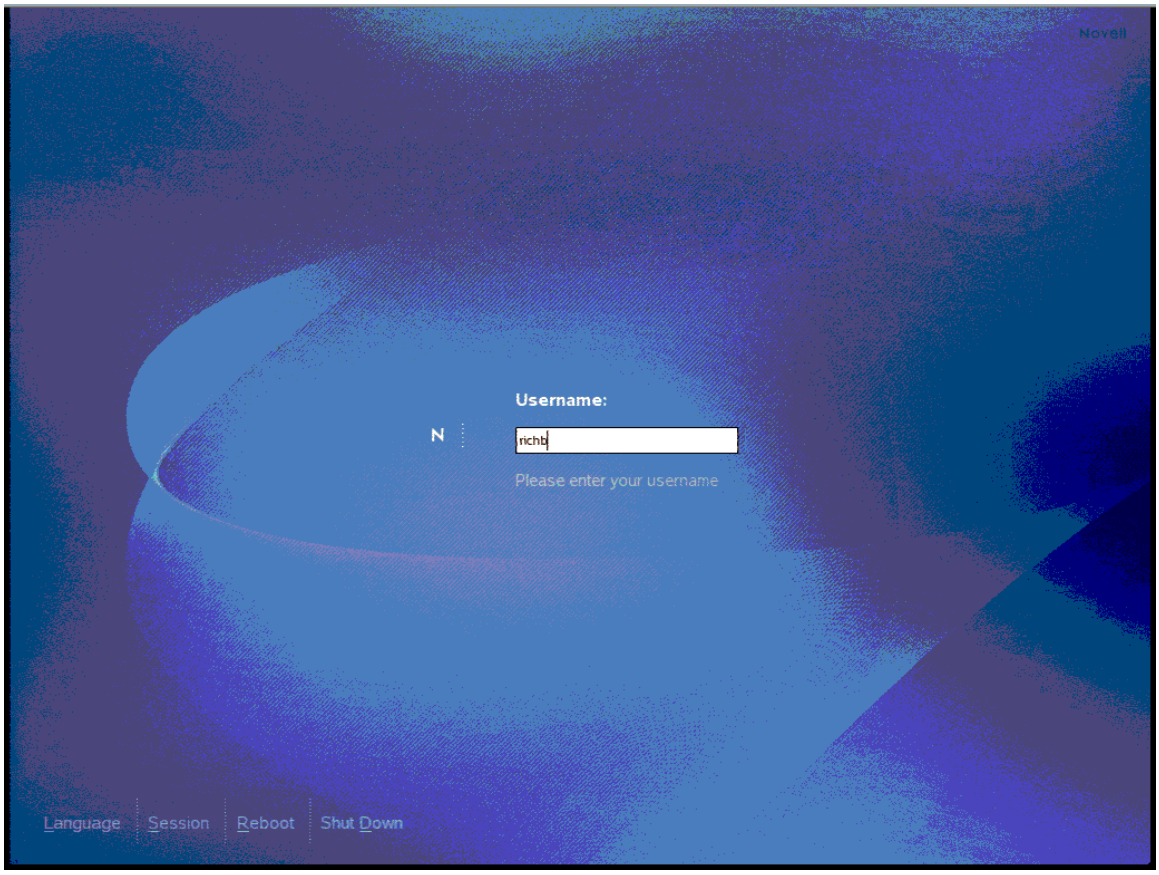
Congratulations! The install is complete.



Click Finish.

1.2.25 Login

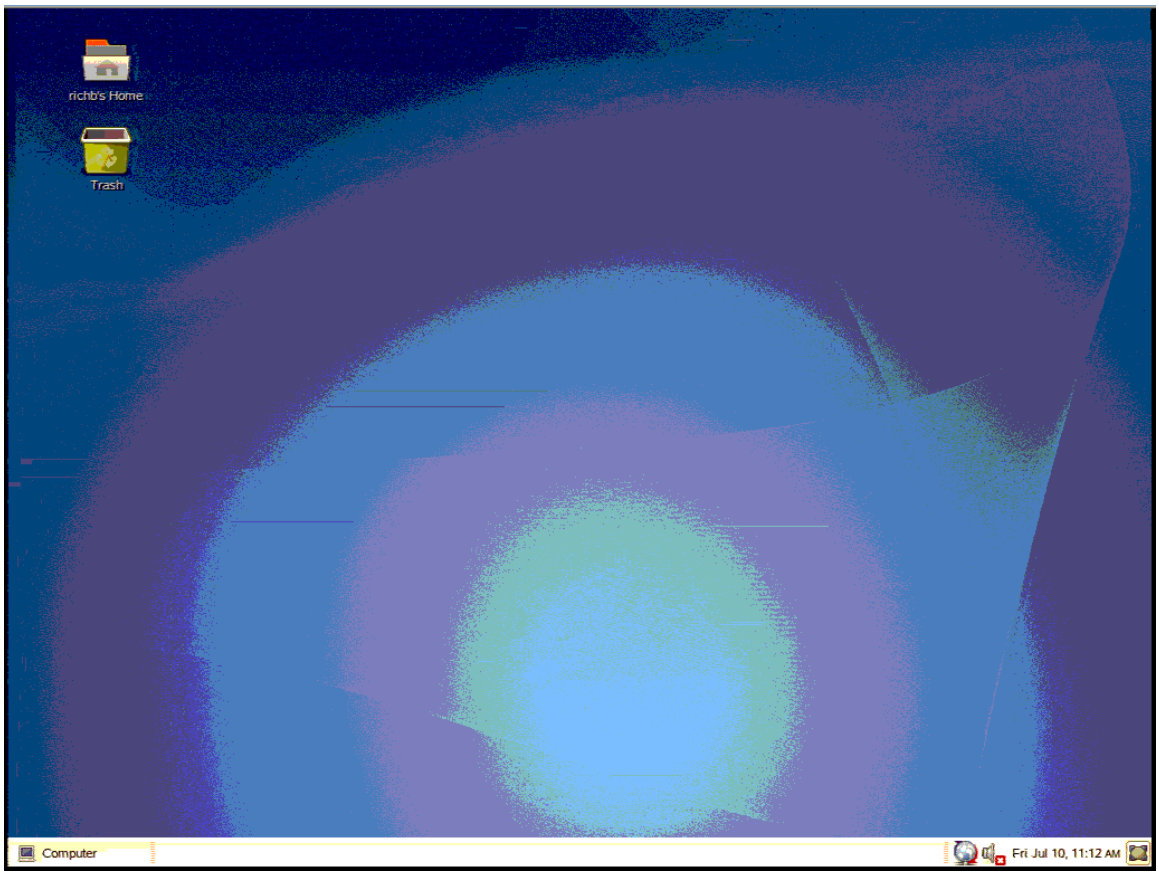
Note if you are using a Remote Console, or any console, and the graphics screen fails to appear, Ctrl-Alt-F1 will enter text mode.



Enter your username and press Enter. The password panel will follow. Enter your password and press Enter.

1.2.26 Desktop

Done!



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