

# iSCSI Boot SLES 10 SP2

Software-Based iSCSI Boot For SLES 10 SP2 on IBM System x Servers

#### Note

Before using this information and the product it supports, read the information in "Notices", on page 35.

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## 1 SLES 10 SP2

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

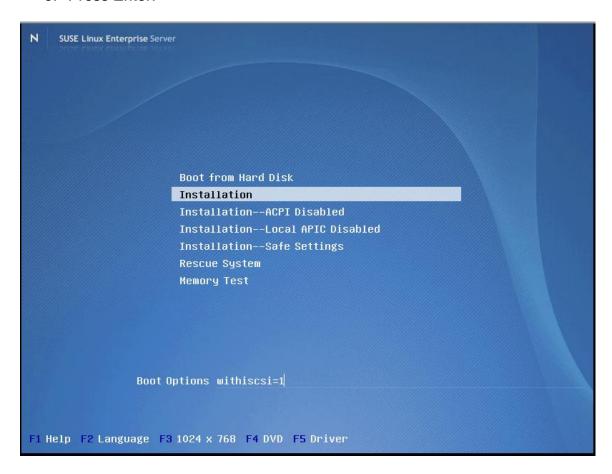
#### 1.2 Install SLES 10 SP2

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:

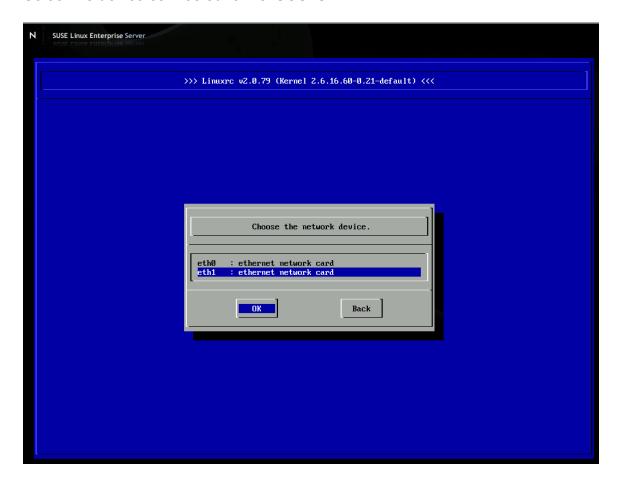
- 1. Boot the SUSE Linux Enterprise Server 10 SP2 DVD (or CD 1).
- For an iSCSI Boot installation, select Installation and enter withiscsi=1
   at the Boot Options prompt.
- 3. Press Enter.



#### 1.2.2 Network

#### 1.2.2.1 Network Device

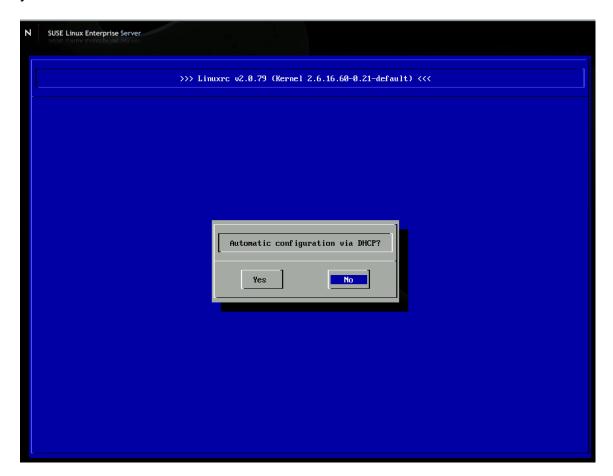
Select the device connected to the iSCSI SAN.



Select OK.

## 1.2.2.2 Network Configuration

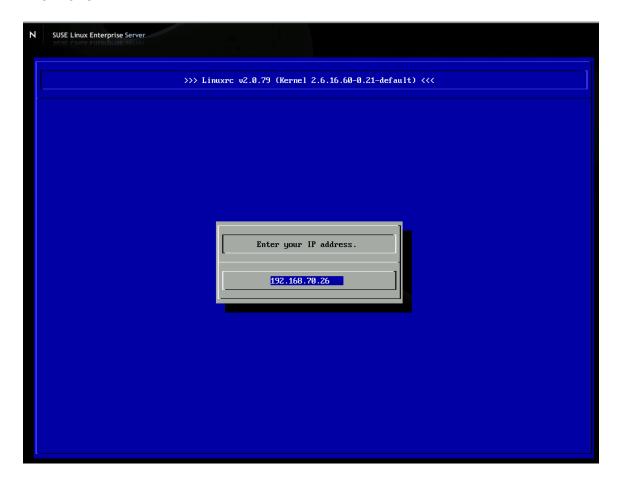
At the "Automatic configuration via DHCP" prompt make a selection based on your network infrastructure.



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.



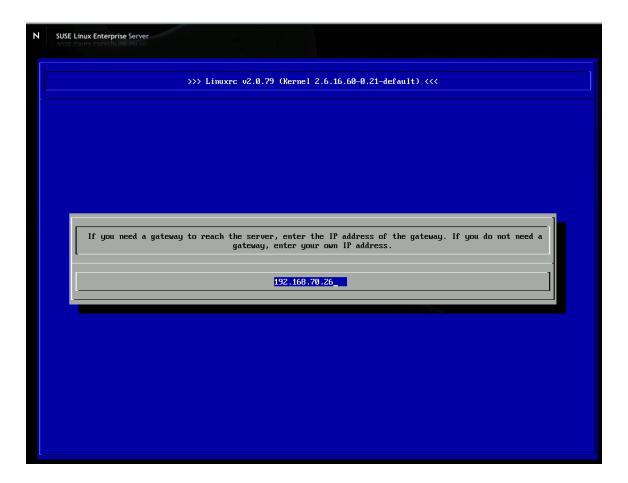
Press Enter.

#### 1.2.2.4 Netmask



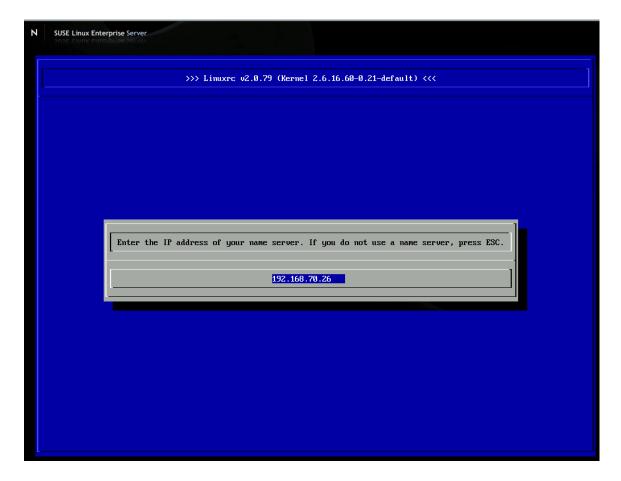
Enter your netmask and press Enter.

## 1.2.2.5 Gateway



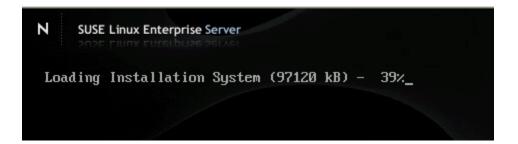
Enter your gateway IP address, note the instructions, and press Enter.

## 1.2.2.6 Name Server



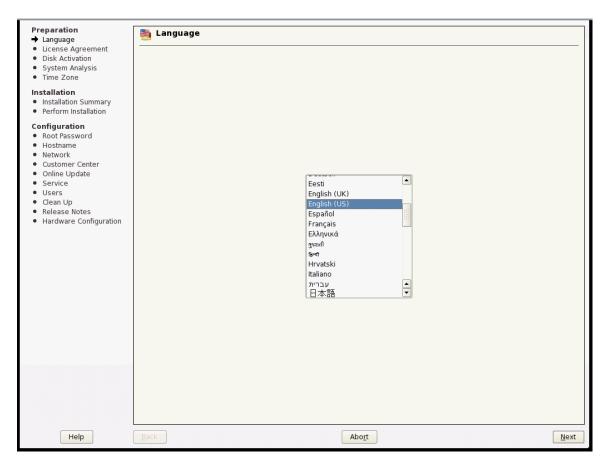
Enter your name server IP address, note the instructions, and press Enter or ESC as appropriate.

# 1.2.3 Loading



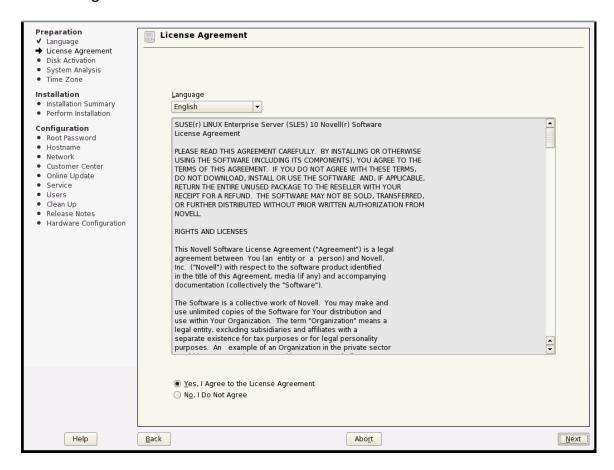
## 1.2.4 Language

Select your language.



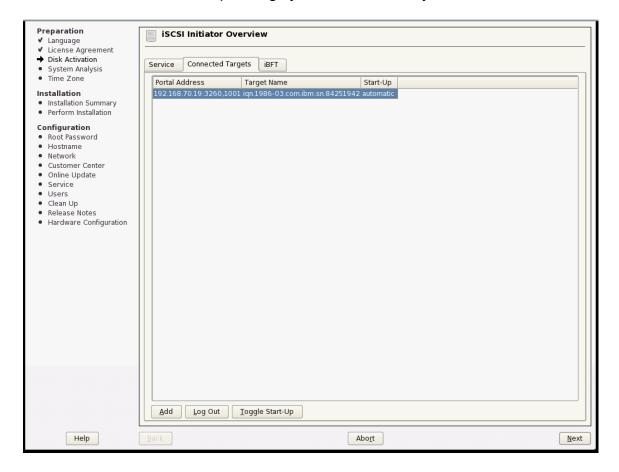
#### 1.2.5 License

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



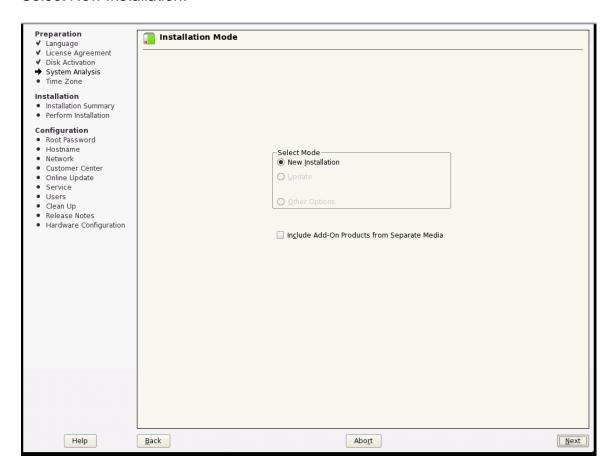
#### 1.2.6 iSCSI Initiator Overview

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



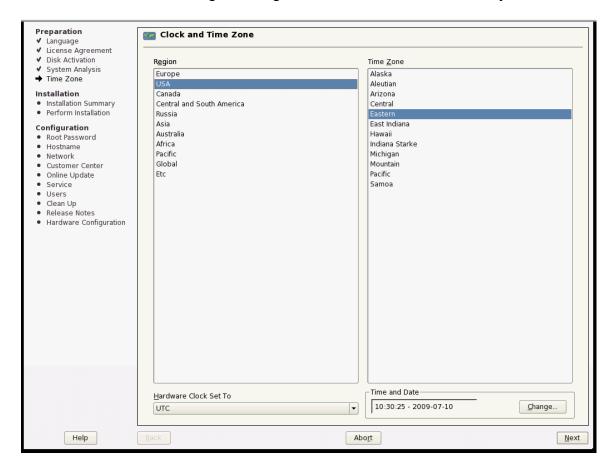
#### 1.2.7 Installation Mode

Select New Installation.



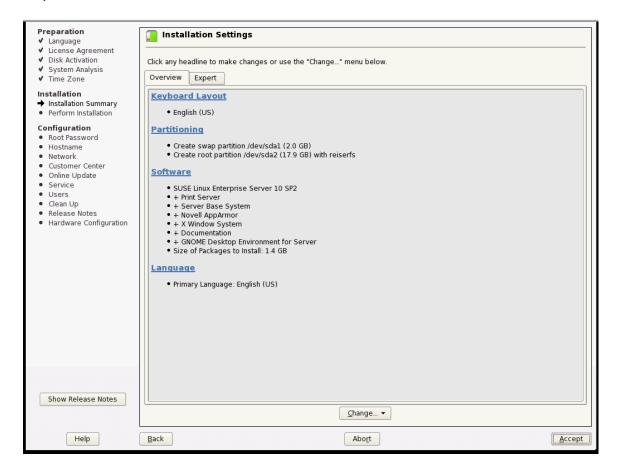
#### 1.2.8 Clock and Time Zone

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



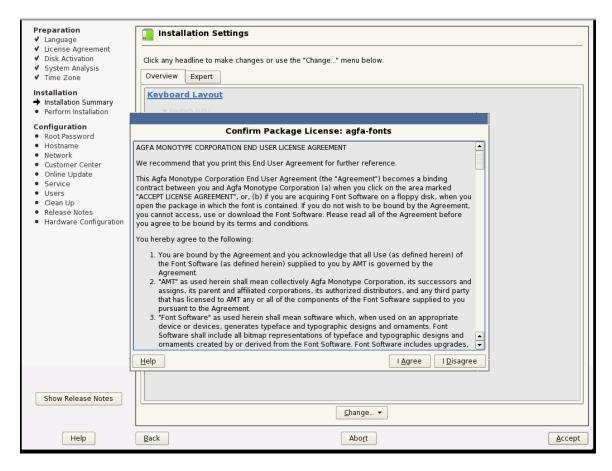
## 1.2.9 Installation Settings

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



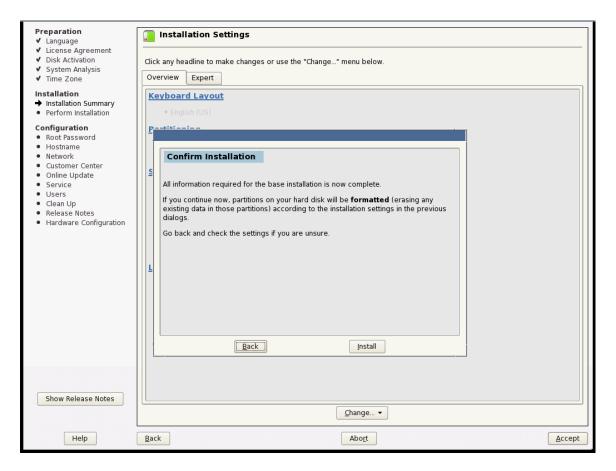
Click Accept.

#### 1.2.10 License Pop Ups



If you agree click I Agree.

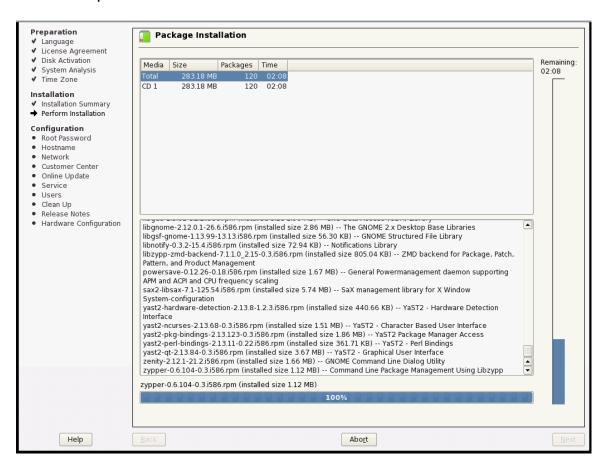
#### 1.2.11 Confirm Install



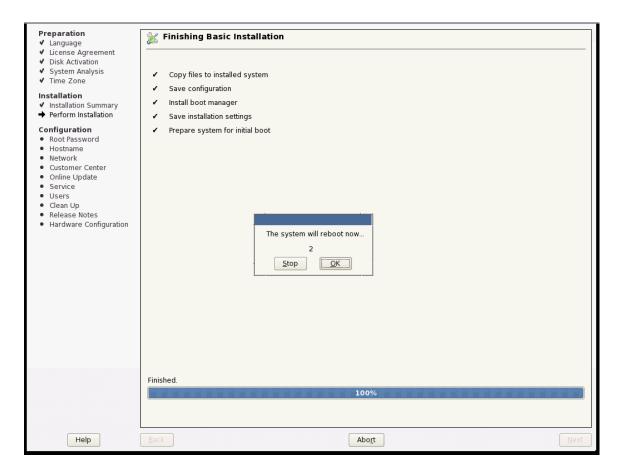
Click Install.

#### 1.2.12 Package Installation

Installation proceeds...



## 1.2.13 Finishing Basic Installation

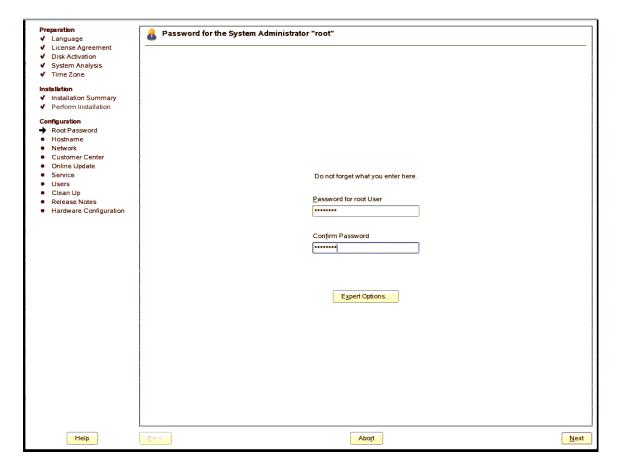


When this phase completes the system reboots.

Various countdown and initialization panels appear and then proceed.

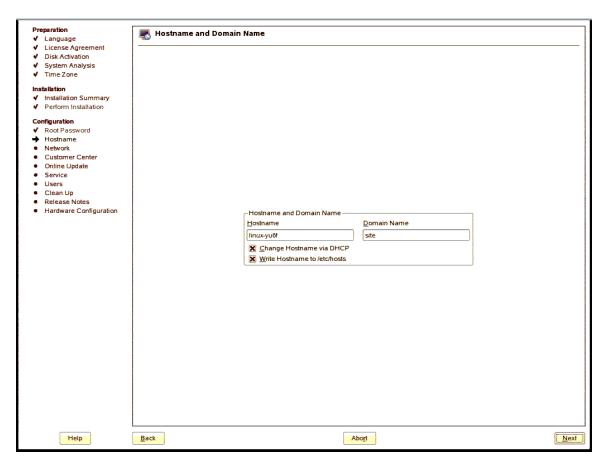
#### 1.2.14 Password

Enter the password for the root user.



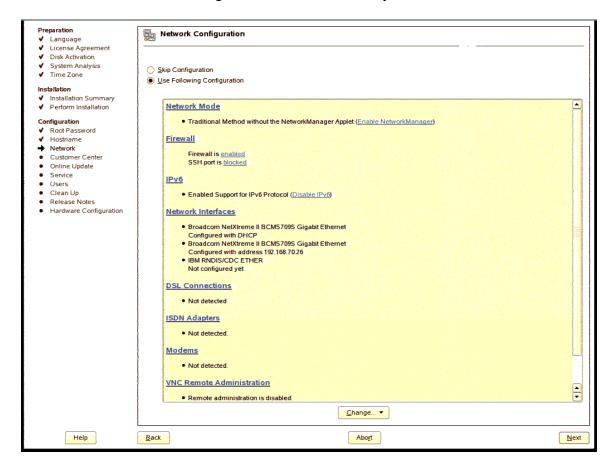
## 1.2.15 Hostname and Domain Name

Update as appropriate.



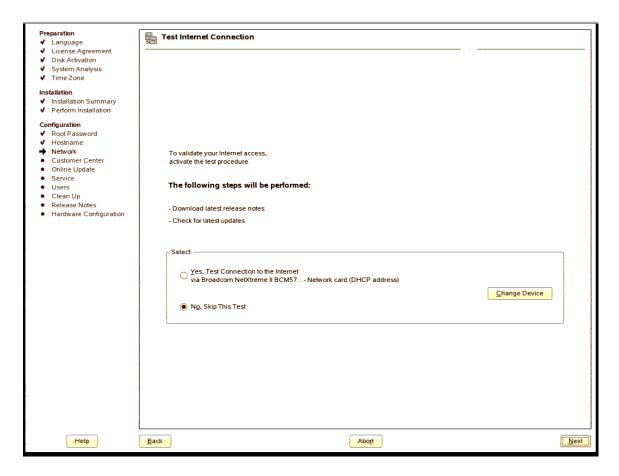
### 1.2.16 Network Configuration

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.



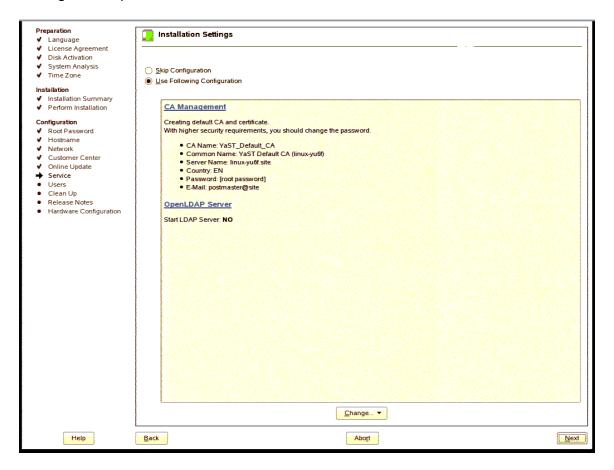
#### 1.2.17 Test Internet Connection

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



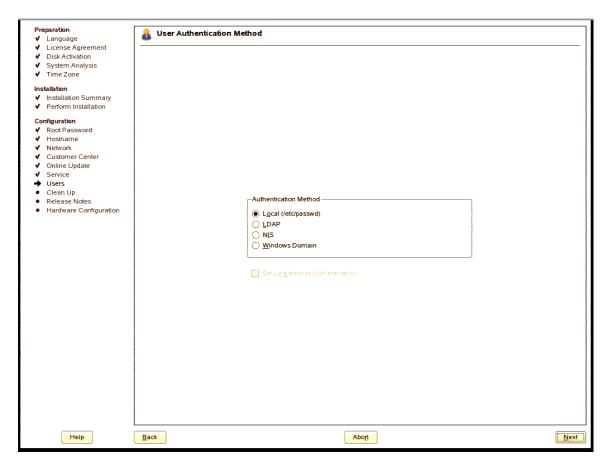
## 1.2.18 Installation Settings

Change as required.



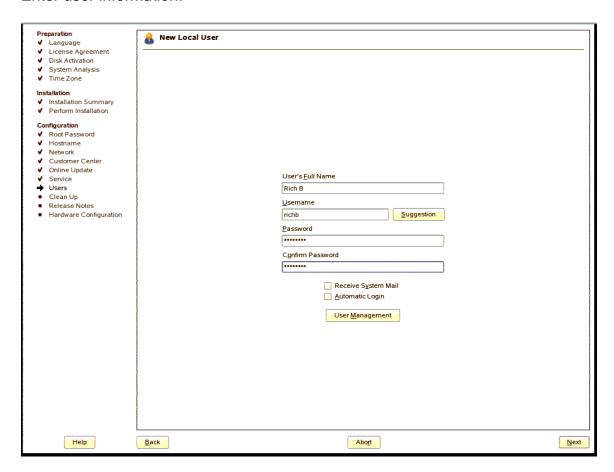
#### 1.2.19 User Authentication Method

Select as appropriate.



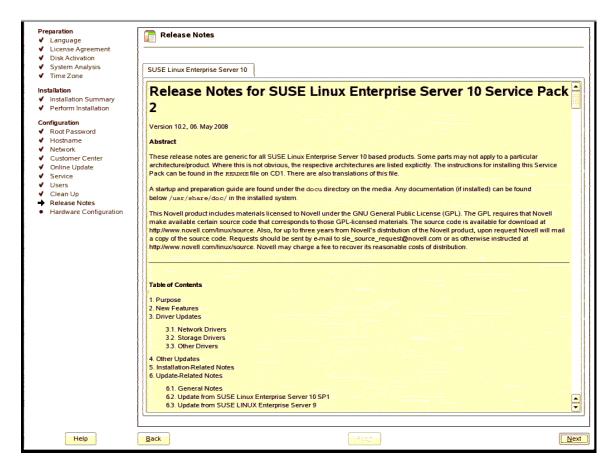
#### 1.2.20 New Local User

Enter user information.



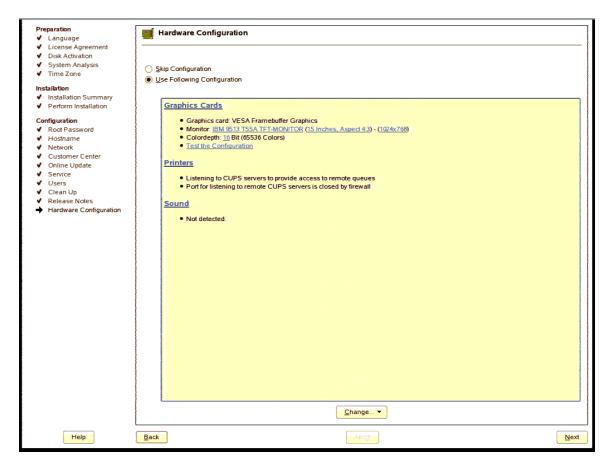
#### 1.2.21 Release Notes

Browse the release notes.



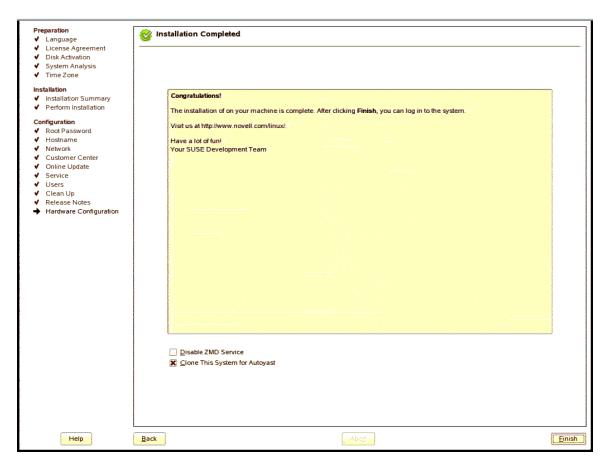
## 1.2.22 Hardware Configuration

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



## 1.2.23 Installation Complete

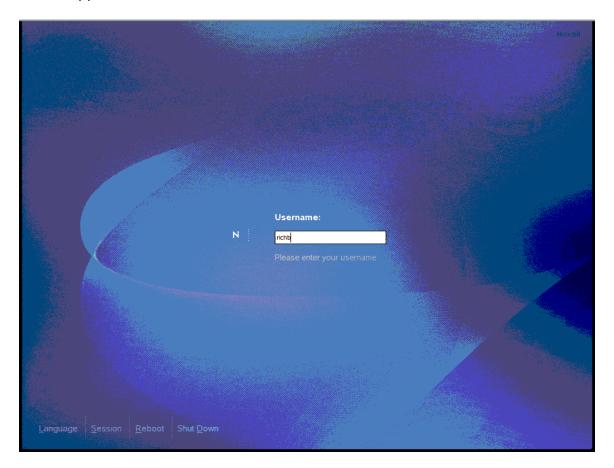
Congratulations! The install is complete.



Click Finish.

## 1.2.24 Login

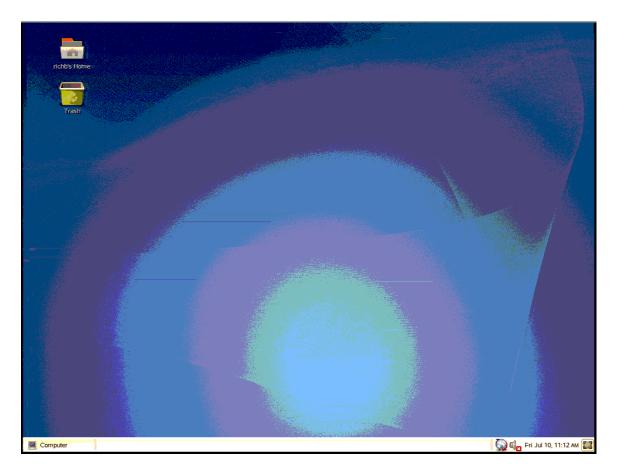
Note if you are using a Remote Console, or any console, and the graphics screen fails to appear, Ctrl-Alt-F1 will enter text mode.



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

# 1.2.25 Desktop

#### Done!



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