

# Looking ahead to openSUSE 11.0

Stephan Kulow <coolo@opensuse.org>  
Project Manager Distribution  
Novell, Inc



**Novell.**



# openSUSE 11.0

---

## Contents:

- Introducing the distribution
- New features
- Discussions and Feedback

# openSUSE 11.0 Distribution



# Building a Distribution

---

- Software Selection (~10000 packages, ~800 on CD)
- Developments (yast, zypp, base system)
- Community (Factory, Alphas+betas)

Most important Testbed: Factory

- Synced out periodically (~ every 2<sup>nd</sup> day)
- Should be stable
- Are often broken^winteresting though
- [opensuse-factory@opensuse.org](mailto:opensuse-factory@opensuse.org) to discuss



# Building a Distribution 2

---

- Build Service repos are integral part of 10.3
- Will be even more visible with 11.0
- More and more packages are maintained in build service and “copied back” into distribution (e.g. Compiz, KDE, GNOME)
- Top Priority 2008: Creating better infrastructure for basesystem contribution (build system talks)
- Having updates available to heros (10.3-test)



# openSUSE 11.0

---

- Kernel 2.6.24+
- OpenOffice 2.4
- KDE 4
- GNOME 2.22
- Firefox 3
- Gimp 2.4
- Gcc 4.3
- Glibc 2.7
- Beagle 0.3
- Koffice 2.0 ?
- Alpine 1.0

New in openSUSE 11.0



# openSUSE 11.0

---

- Kernel 2.6.24+
- OpenOffice 2.4
- KDE 4
- GNOME 2.22
- Firefox 3
- Gimp 2.4
- Gcc 4.3
- Glibc 2.7
- Beagle 0.3
- Alpine 1.0



# openSUSE 11.0

---

- Key features
  - Damn fast software management (see sunday)
  - KDE 4 transition (several talks)
  - Work on yast speed in general
  - Live CDs as prime medium (kiwi talk)
  - Simpler Installation

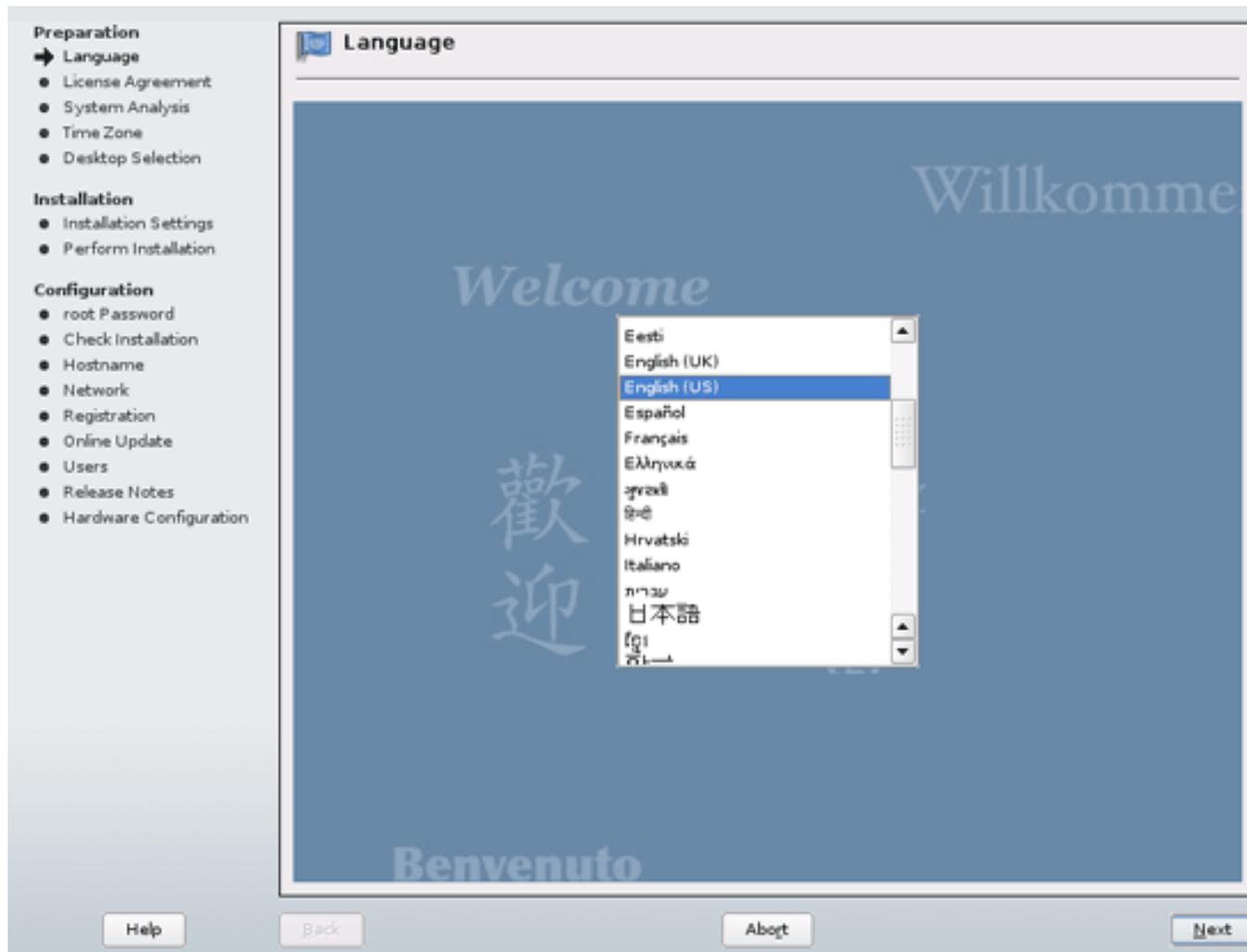


# Installation Improvements

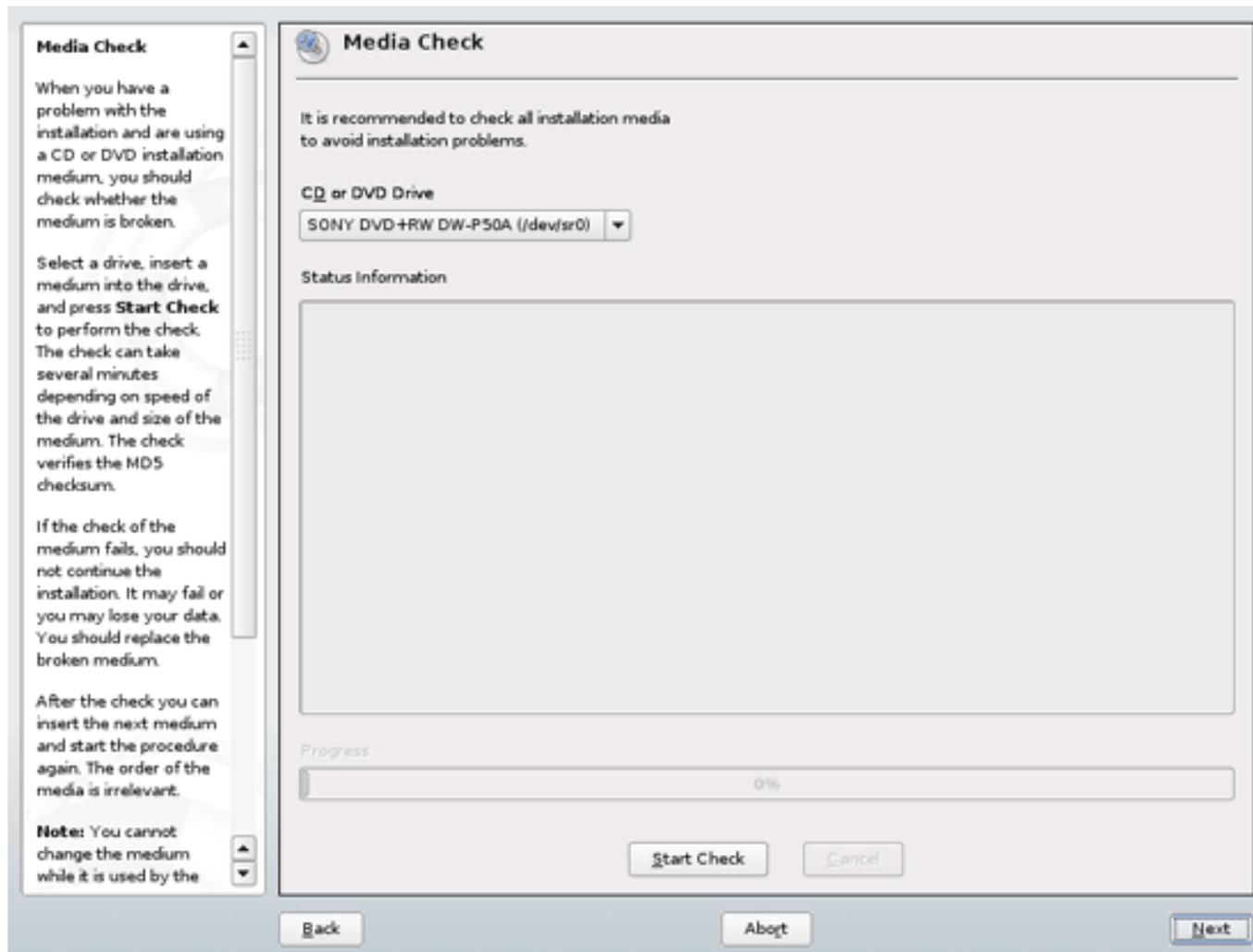
---

- Fosdem2007: One CD Install
- Usage not as high as expected
- Reviewers often confused
- Idea: go one step back and revisit the reasons

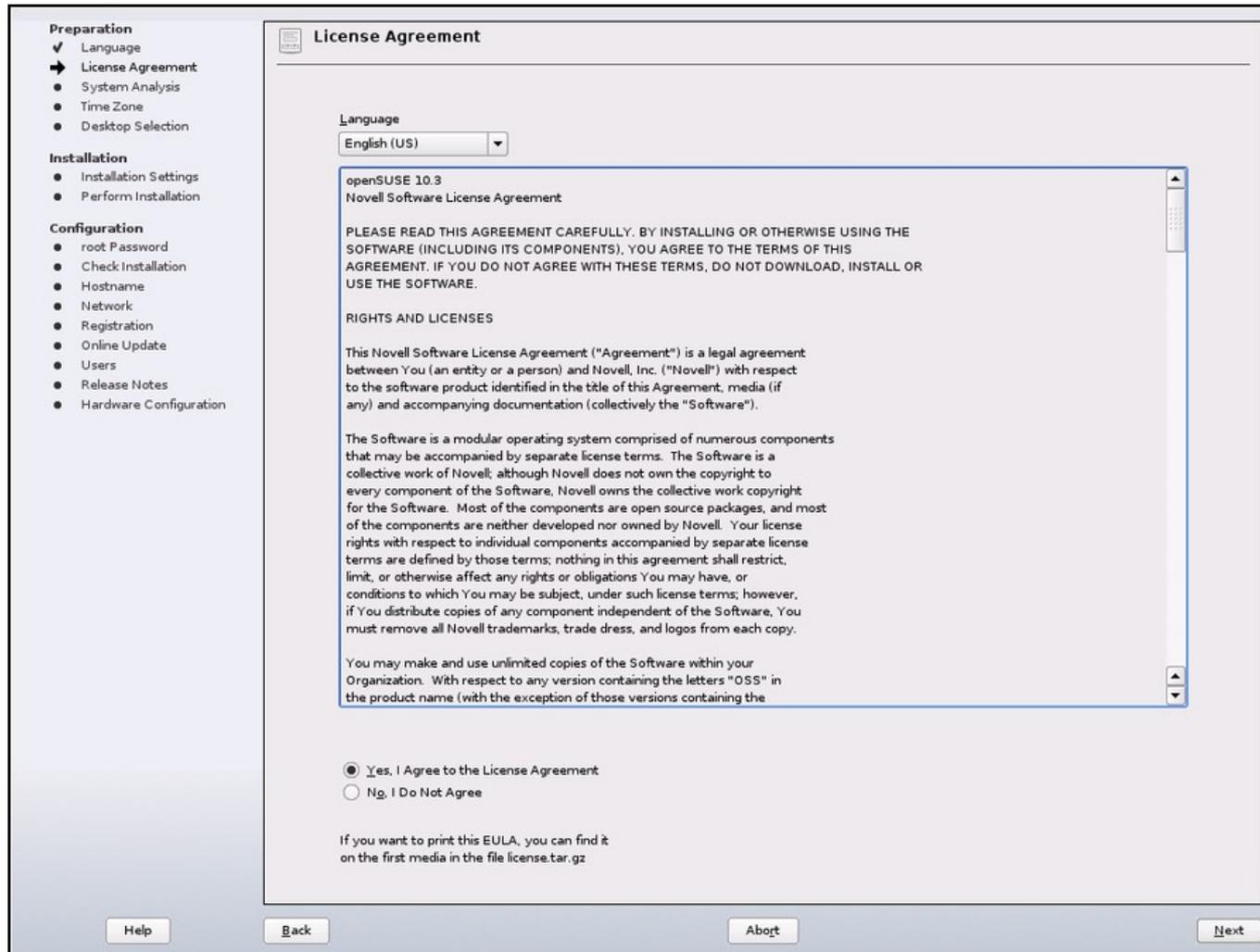
# Installing 10.3 (Language)



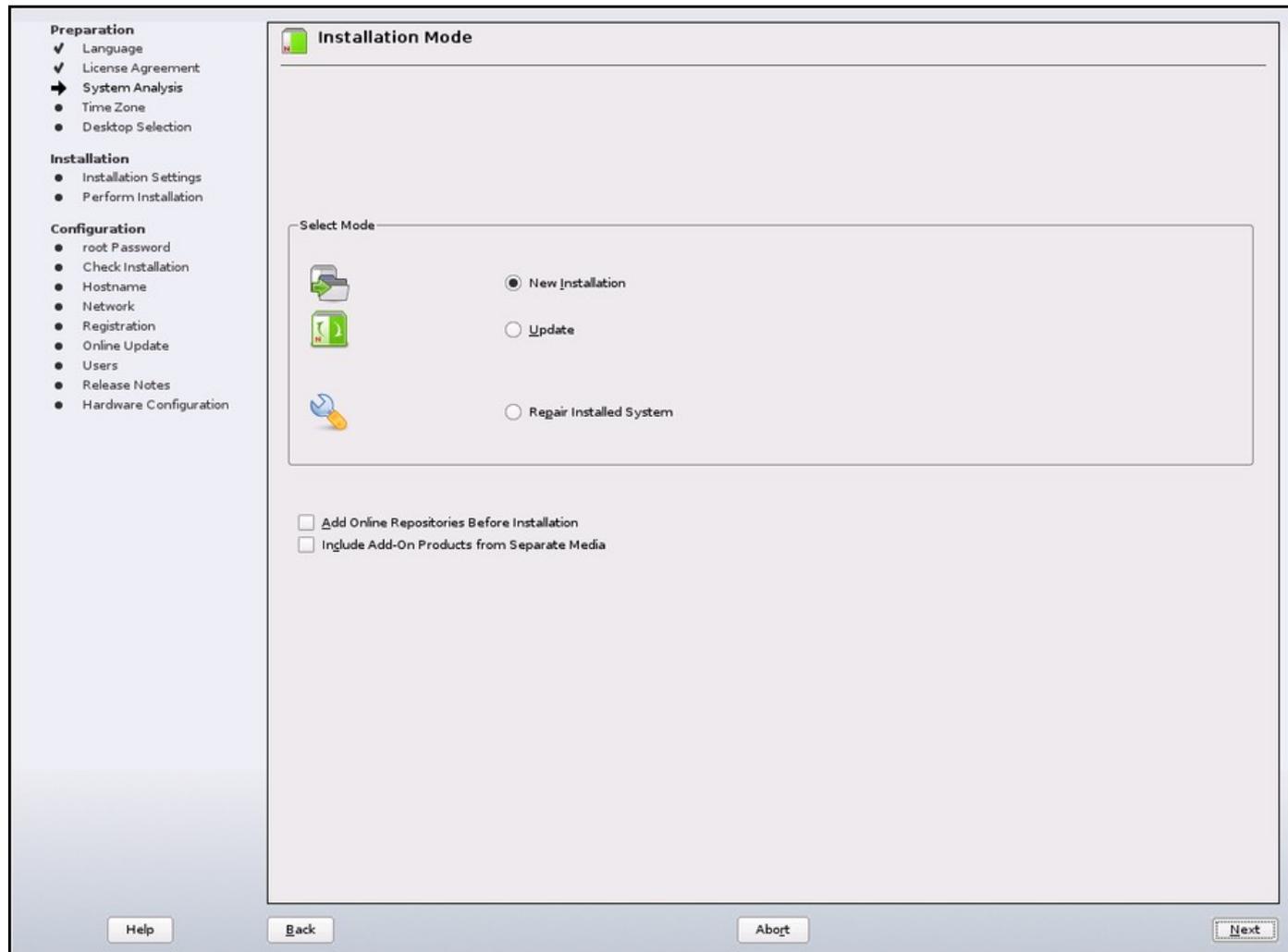
# Installing 10.3 (Media Check)



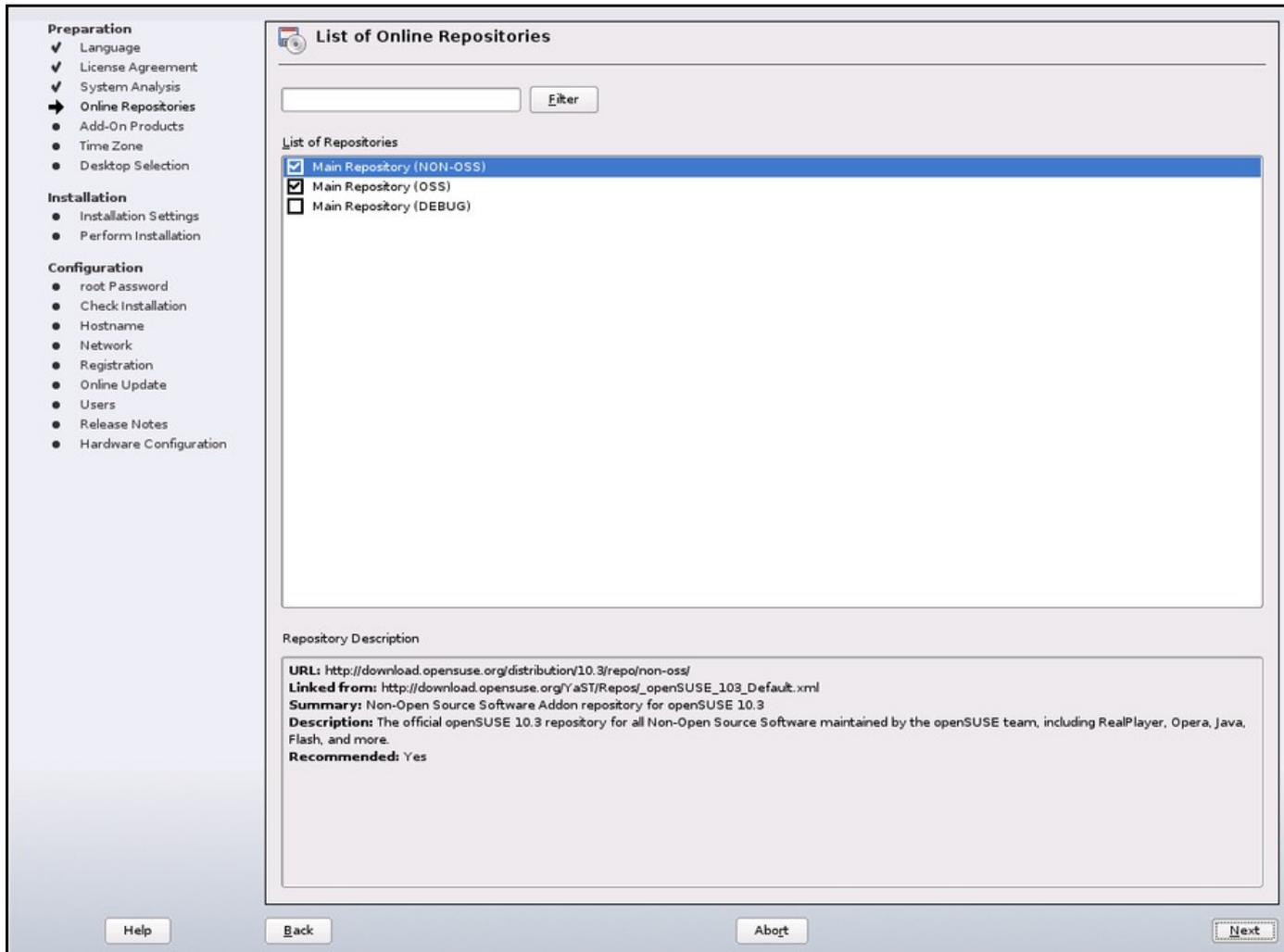
# Installing 10.3 (License)



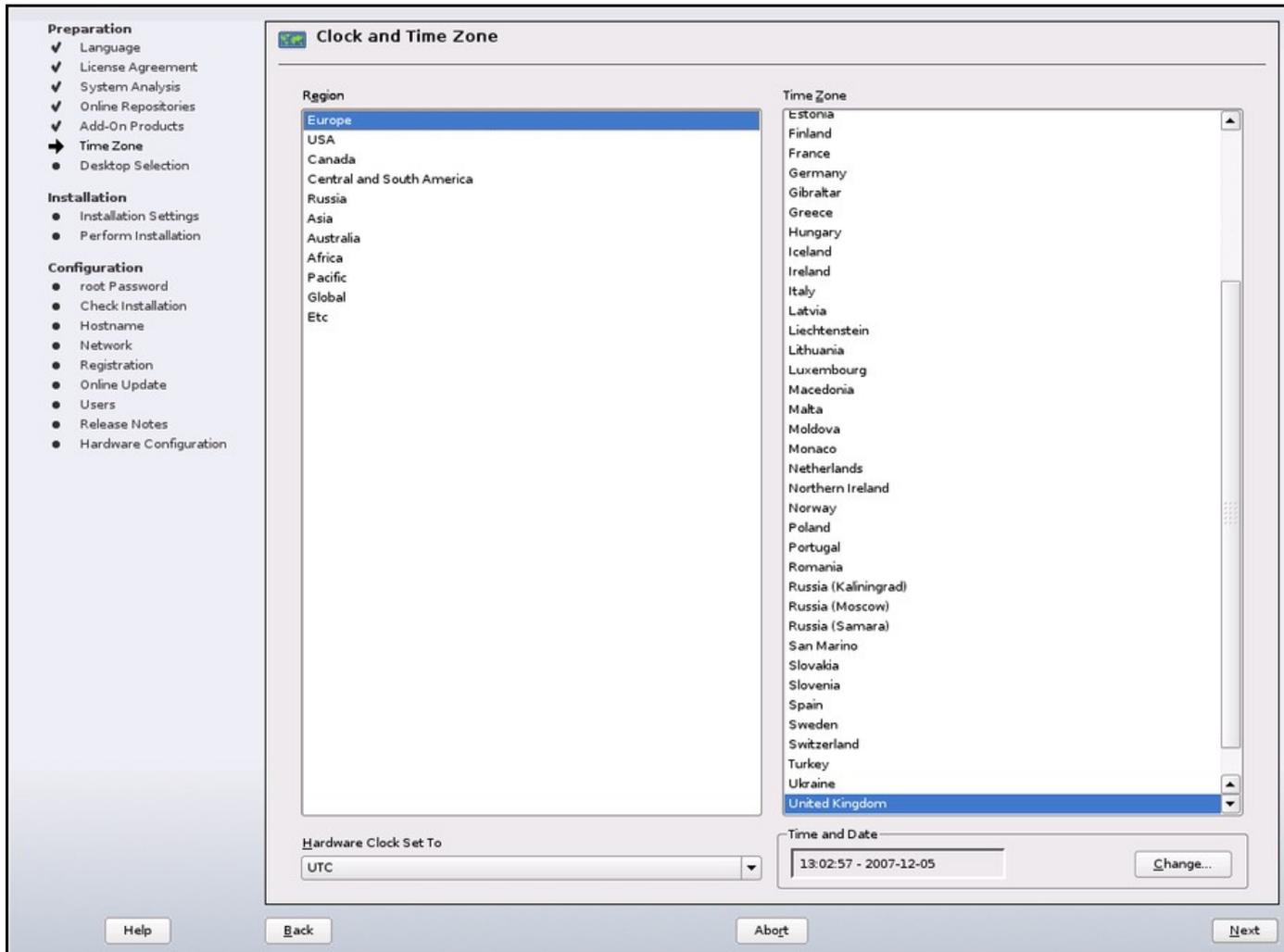
# Installing 10.3 (Mode)



# Installing 10.3 (Repos)



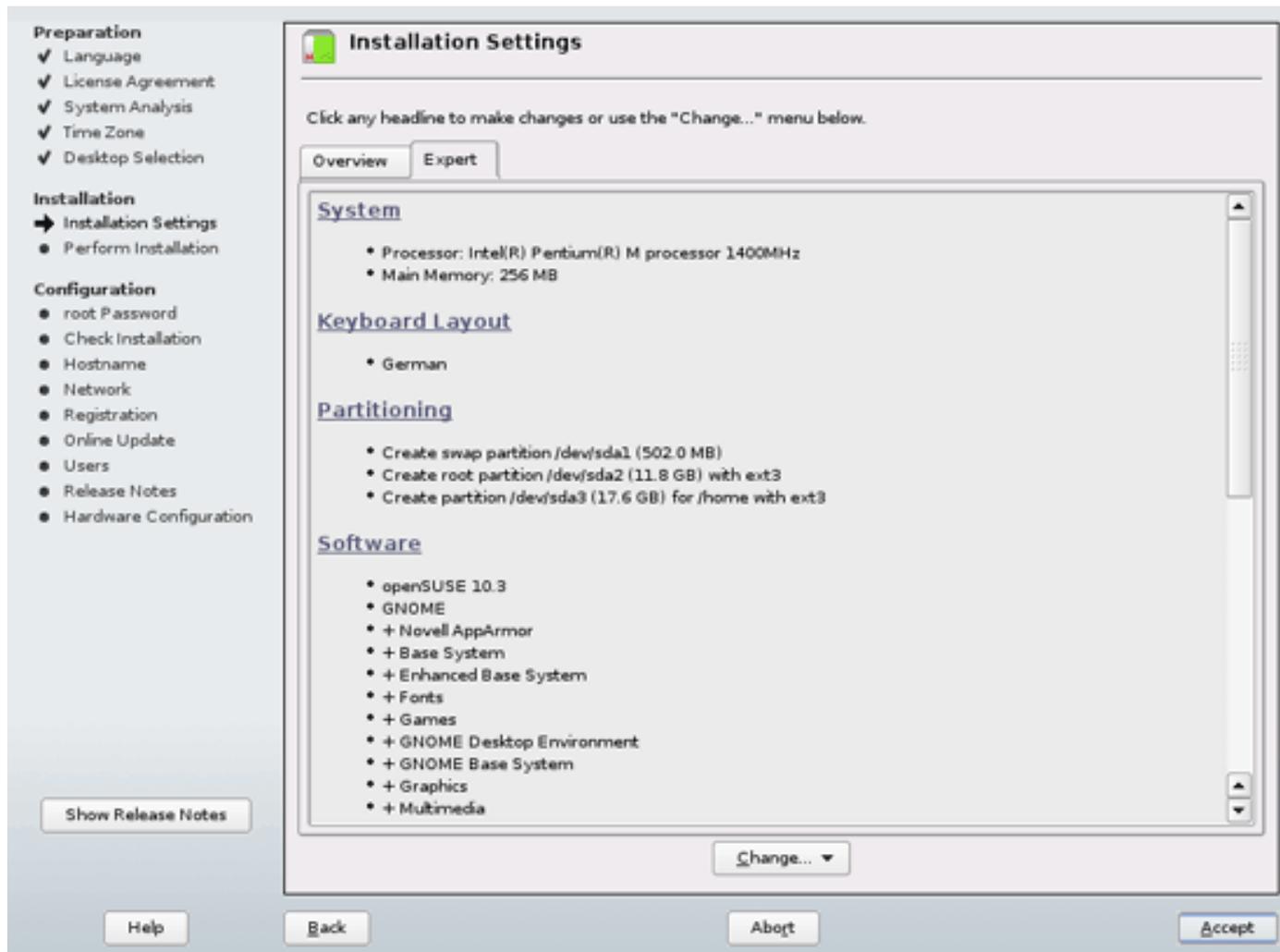
# Installing 10.3 (Timezone)



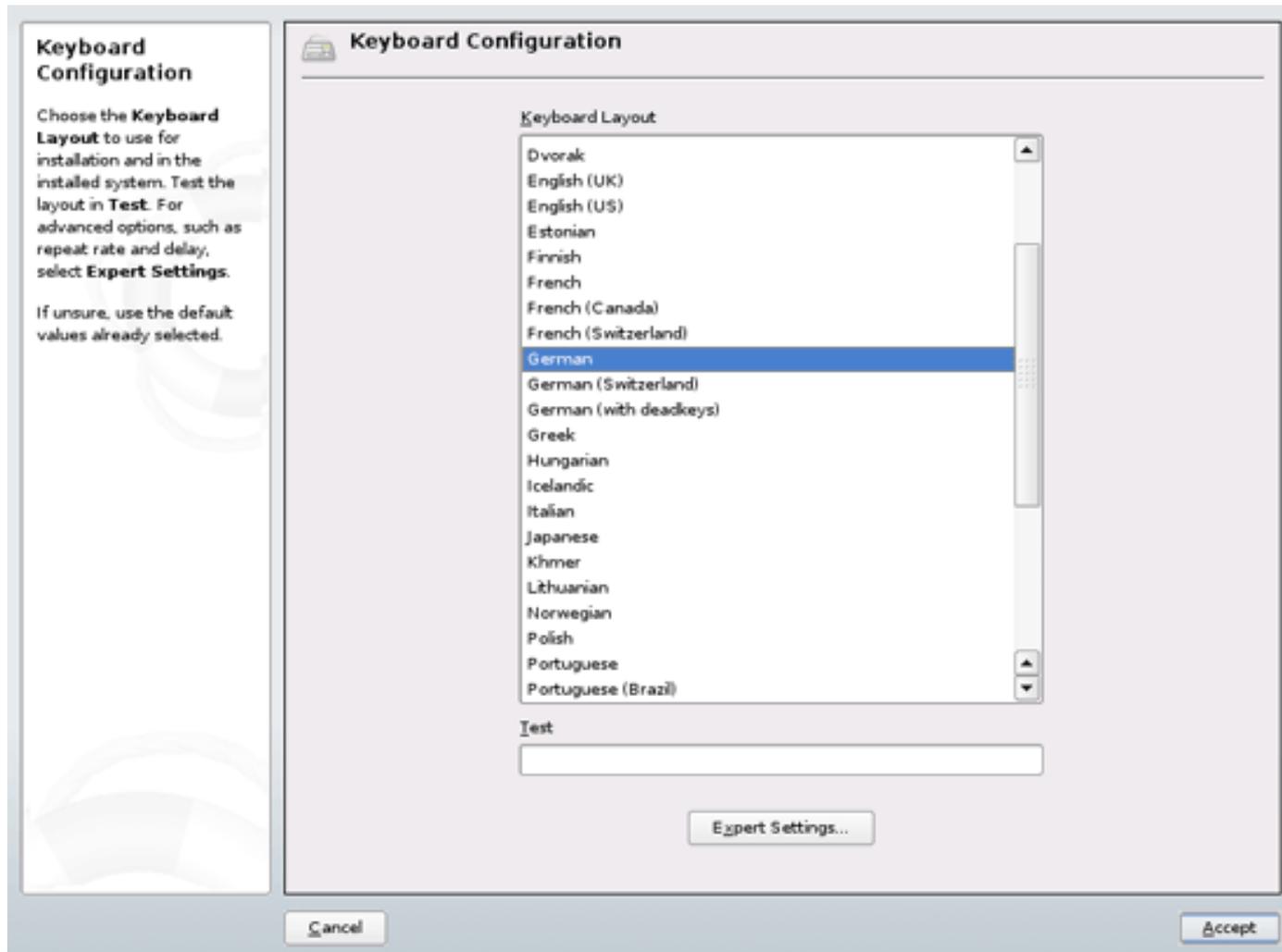
# Installing 10.3 (Desktop)



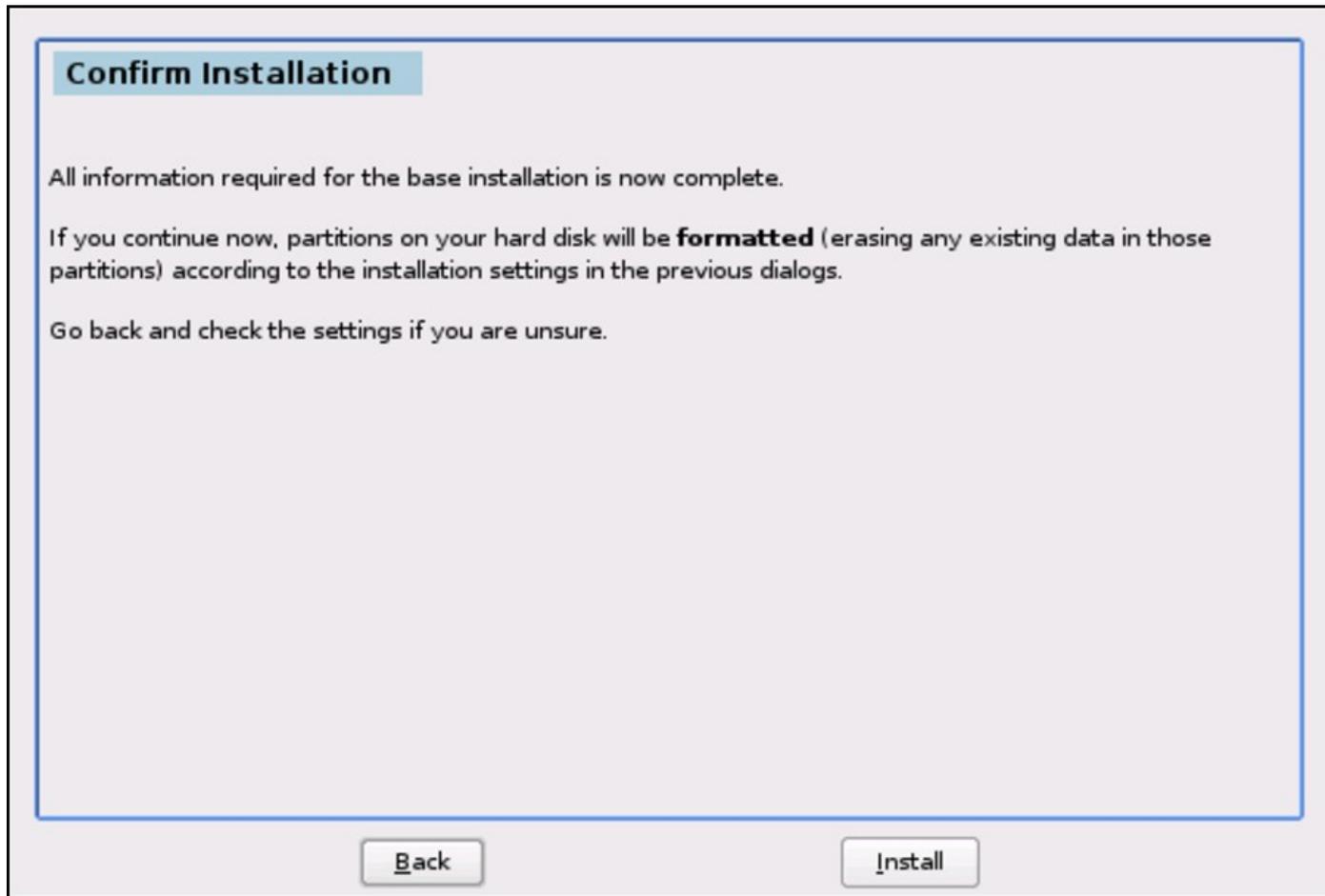
# Installing 10.3 (Proposal)



# Installing 10.3 (Keyboard)



# Installing 10.3 (Confirm)



# Installing 10.3 (11)

The screenshot shows the Anaconda installer window titled "Password for the System Administrator 'root'". On the left is a navigation pane with three sections: "Preparation" (Language, License Agreement, System Analysis, Online Repositories, Time Zone, Desktop Selection), "Installation" (Installation Settings, Perform Installation), and "Configuration" (root Password, Check Installation, Hostname, Network, Registration, Online Update, Users, Release Notes, Hardware Configuration). The "root Password" option is selected with a right-pointing arrow. The main area contains the text "Do not forget what you enter here." followed by three input fields: "Password for root User", "Confirm Password", and "Test Keyboard Layout". Below these is an "Expert Options..." button. At the bottom of the window are "Help", "Back", "Abort", and "Next" buttons.

**Preparation**

- ✓ Language
- ✓ License Agreement
- ✓ System Analysis
- ✓ Online Repositories
- ✓ Time Zone
- ✓ Desktop Selection

**Installation**

- ✓ Installation Settings
- ✓ Perform Installation

**Configuration**

- ➔ root Password
- Check Installation
- Hostname
- Network
- Registration
- Online Update
- Users
- Release Notes
- Hardware Configuration

**Password for the System Administrator "root"**

Do not forget what you enter here.

Password for root User

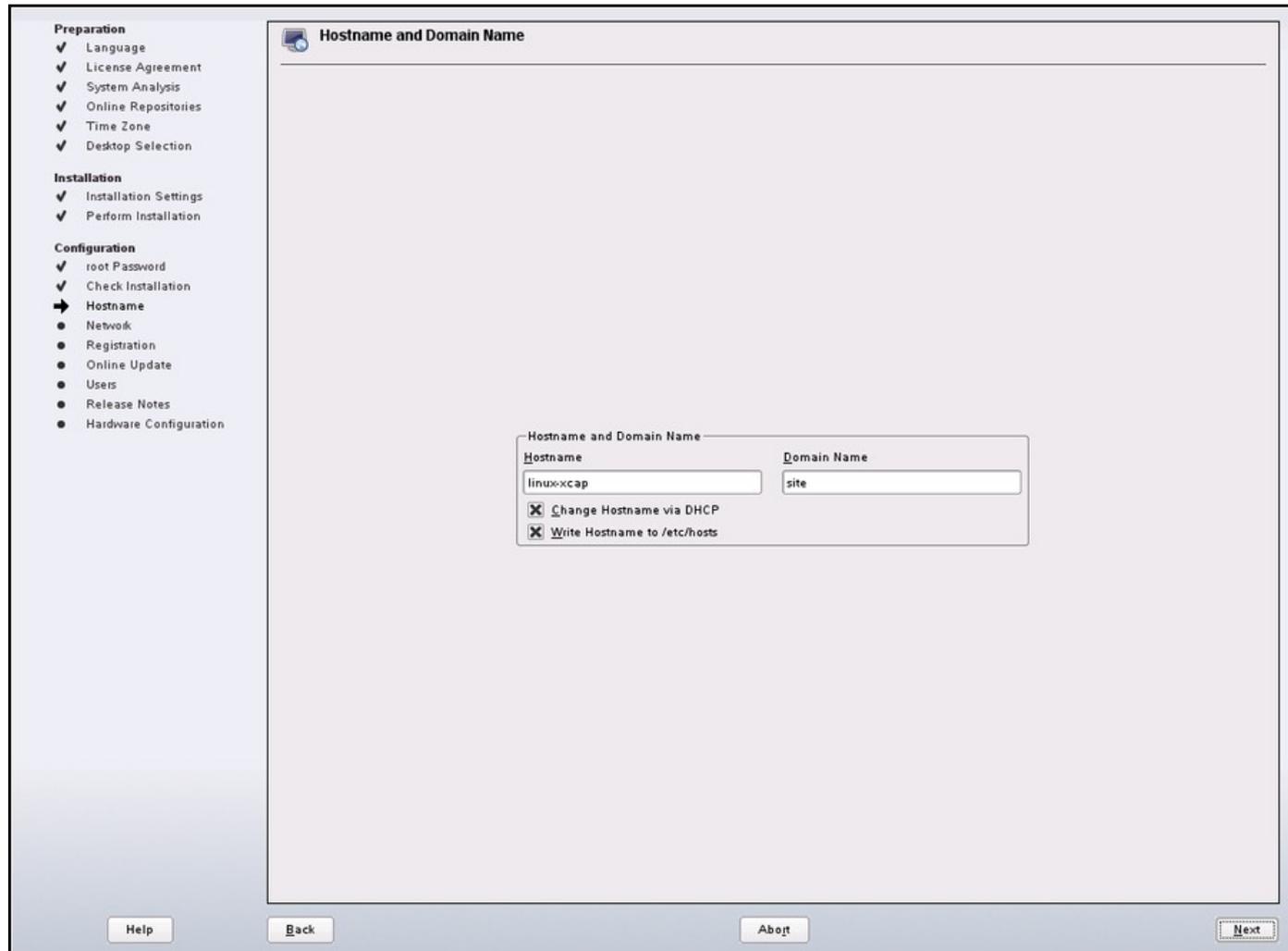
Confirm Password

Test Keyboard Layout

Expert Options...

Help Back Abort Next

# Installing 10.3 (12)



# Installing 10.3 (13)

**Preparation**

- ✓ Language
- ✓ License Agreement
- ✓ System Analysis
- ✓ Online Repositories
- ✓ Time Zone
- ✓ Desktop Selection

**Installation**

- ✓ Installation Settings
- ✓ Perform Installation

**Configuration**

- ✓ root Password
- ✓ Check Installation
- ✓ Hostname
- ➔ **Network**
- Registration
- Online Update
- Users
- Release Notes
- Hardware Configuration

**Network Configuration**

Skip Configuration  
 Use Following Configuration

**General Network Settings**

- Network Mode: Traditional network setup with NetControl - ifup ([Enable NetworkManager](#))
- Support for IPv6 protocol is enabled ([Disable IPv6](#))

**Firewall**

- Firewall is enabled ([disable](#))
- SSH port is blocked ([open](#))

**Network Interfaces**

- RTL-8139/8139C/8139C+  
Configured with DHCP
- BCM4401 100Base-T  
Not configured yet.

**DSL Connections**

- Not detected.

**ISDN Adapters**

- Not detected.

**Modems**

- Not detected.

**VNC Remote Administration**

- Remote administration is disabled.

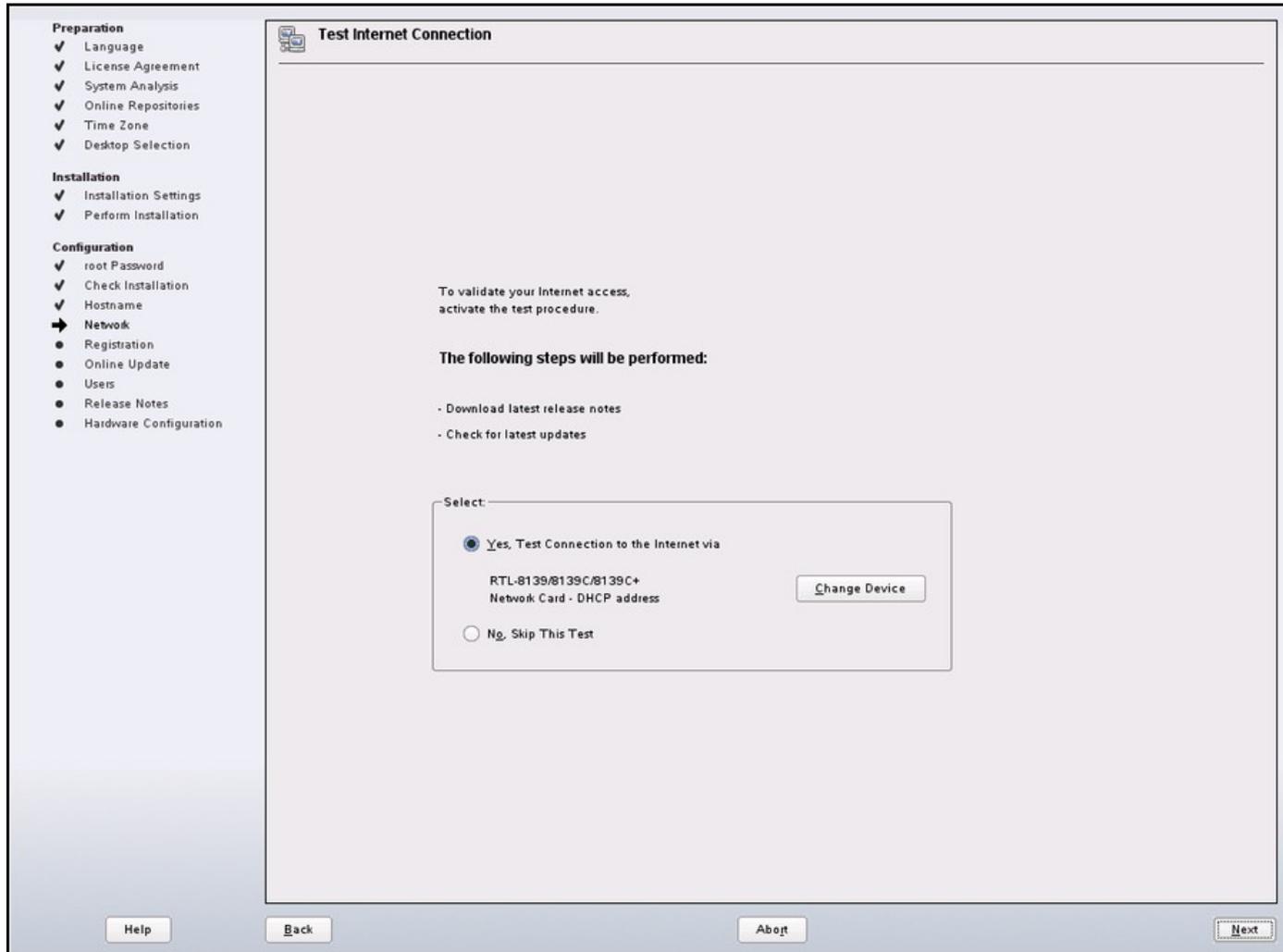
**Proxy**

- Proxy is disabled.

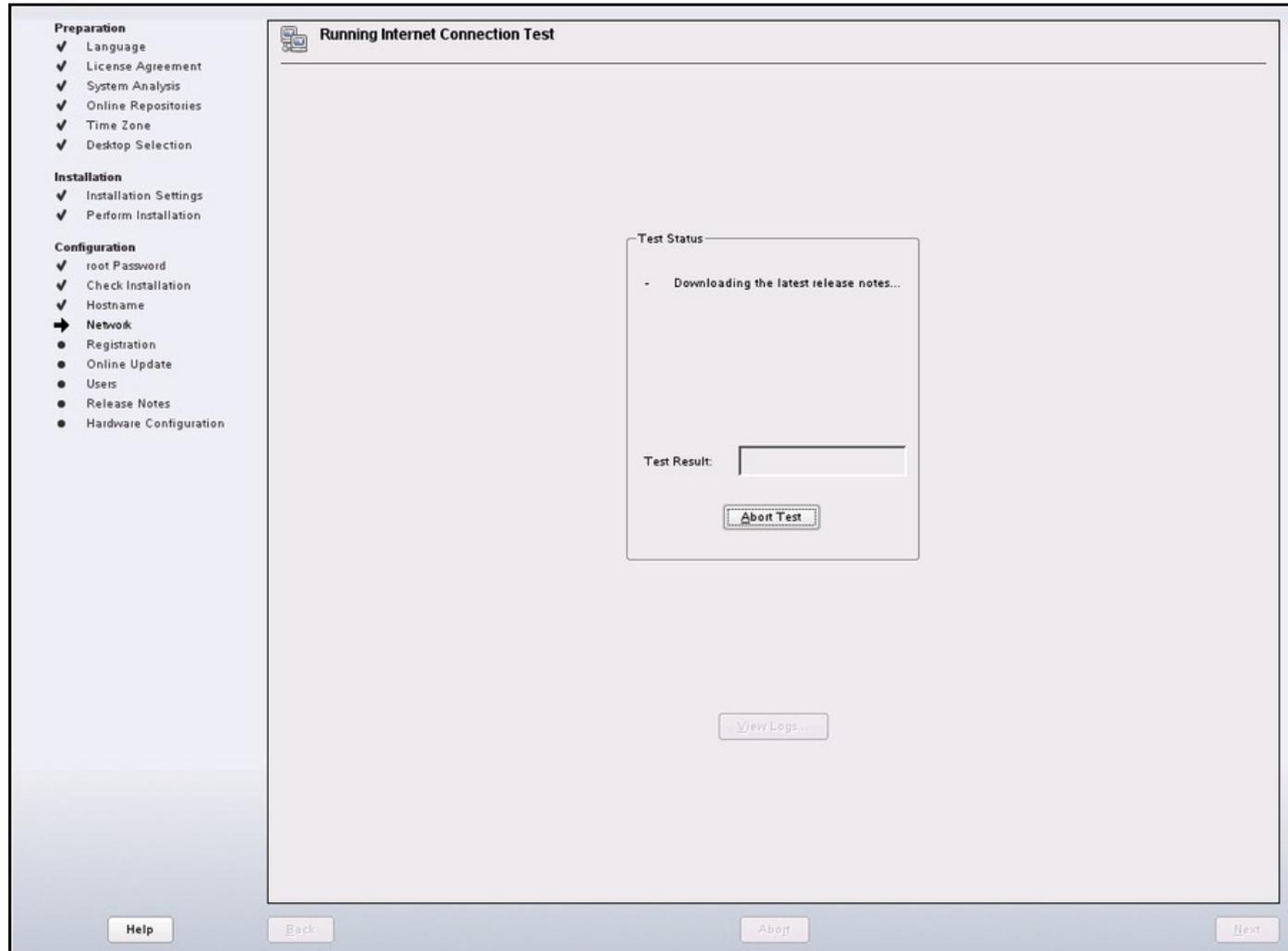
Change... ▾

Help Back About Next

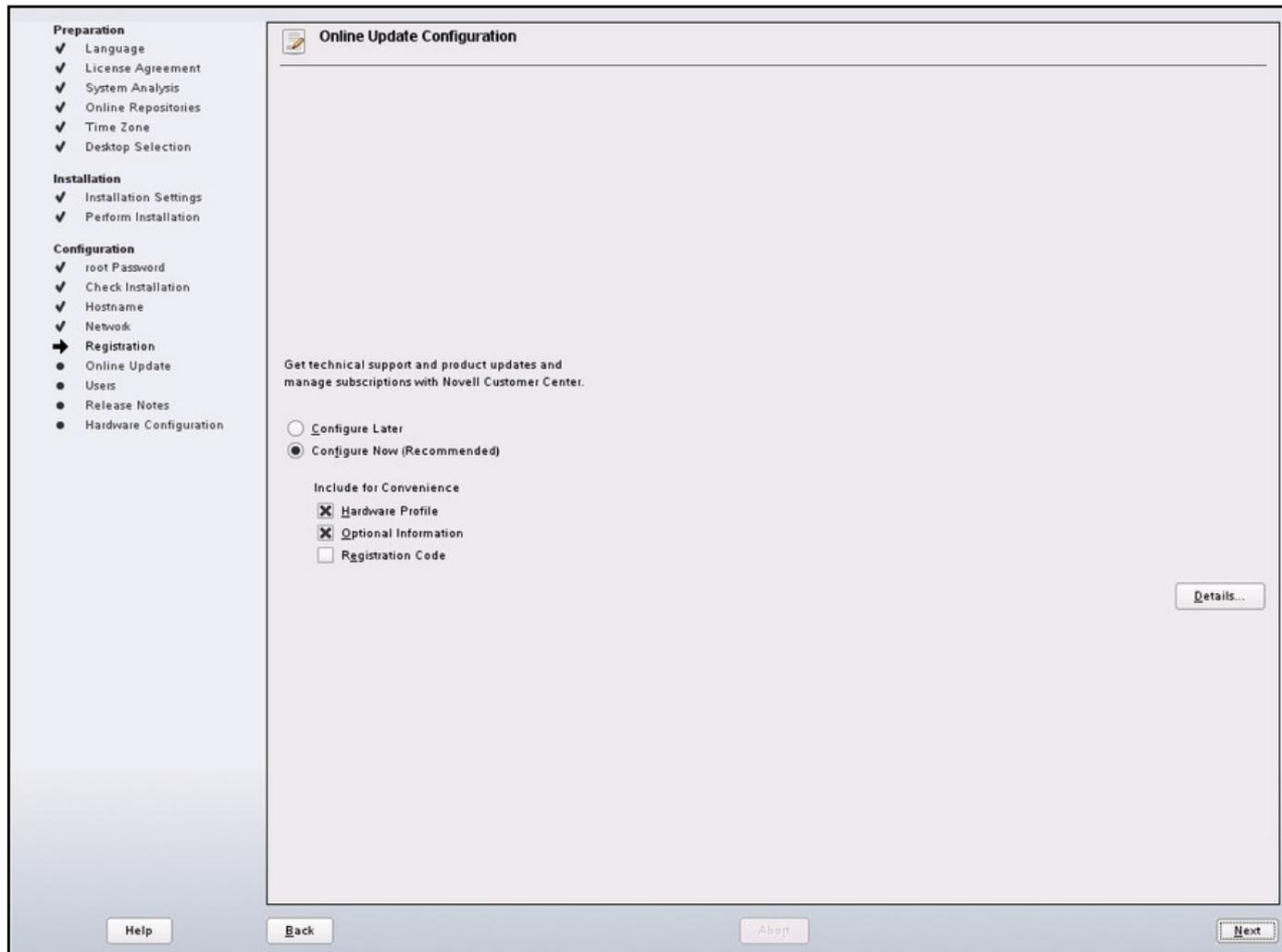
# Installing 10.3 (14)



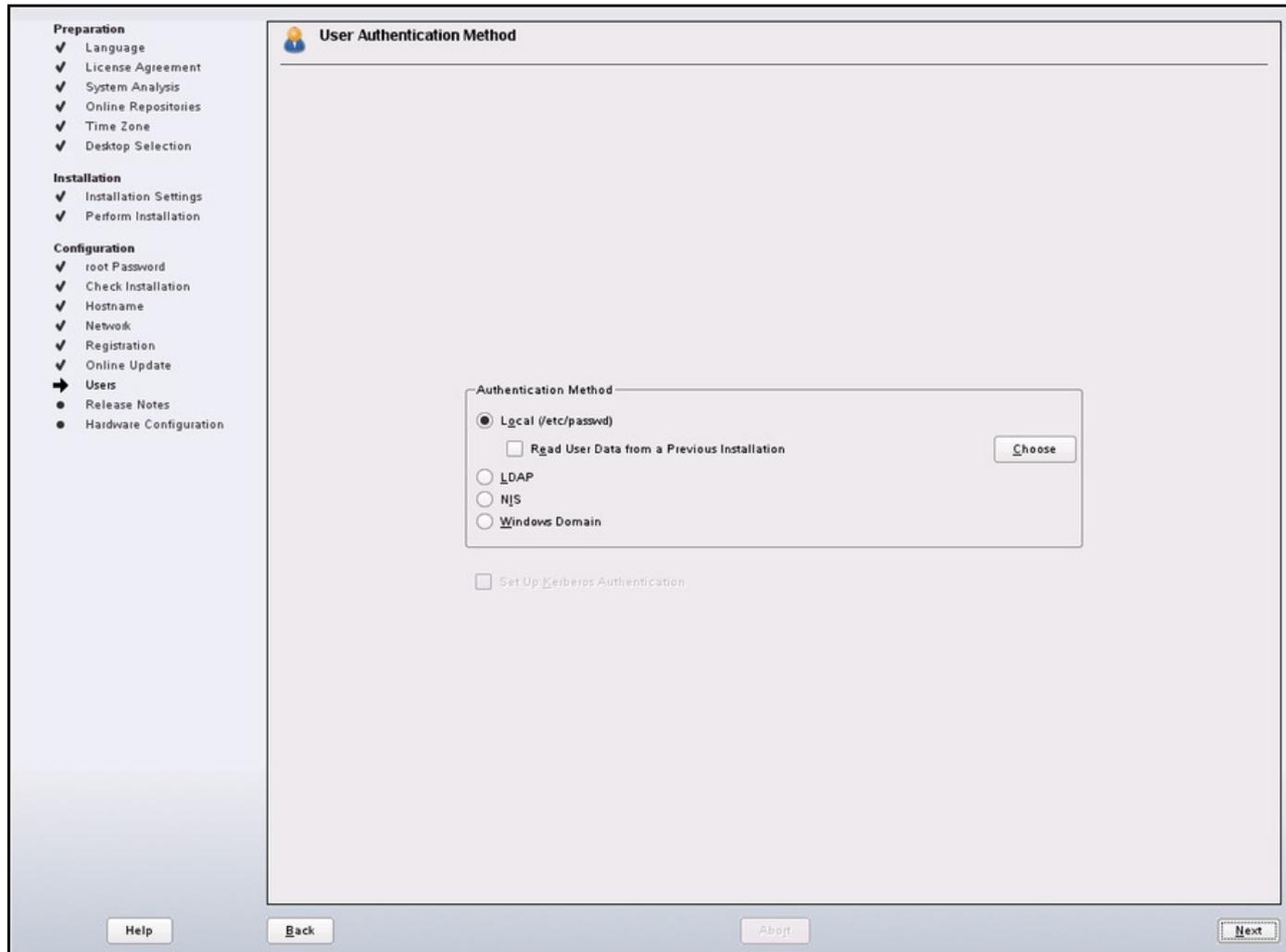
# Installing 10.3 (15)



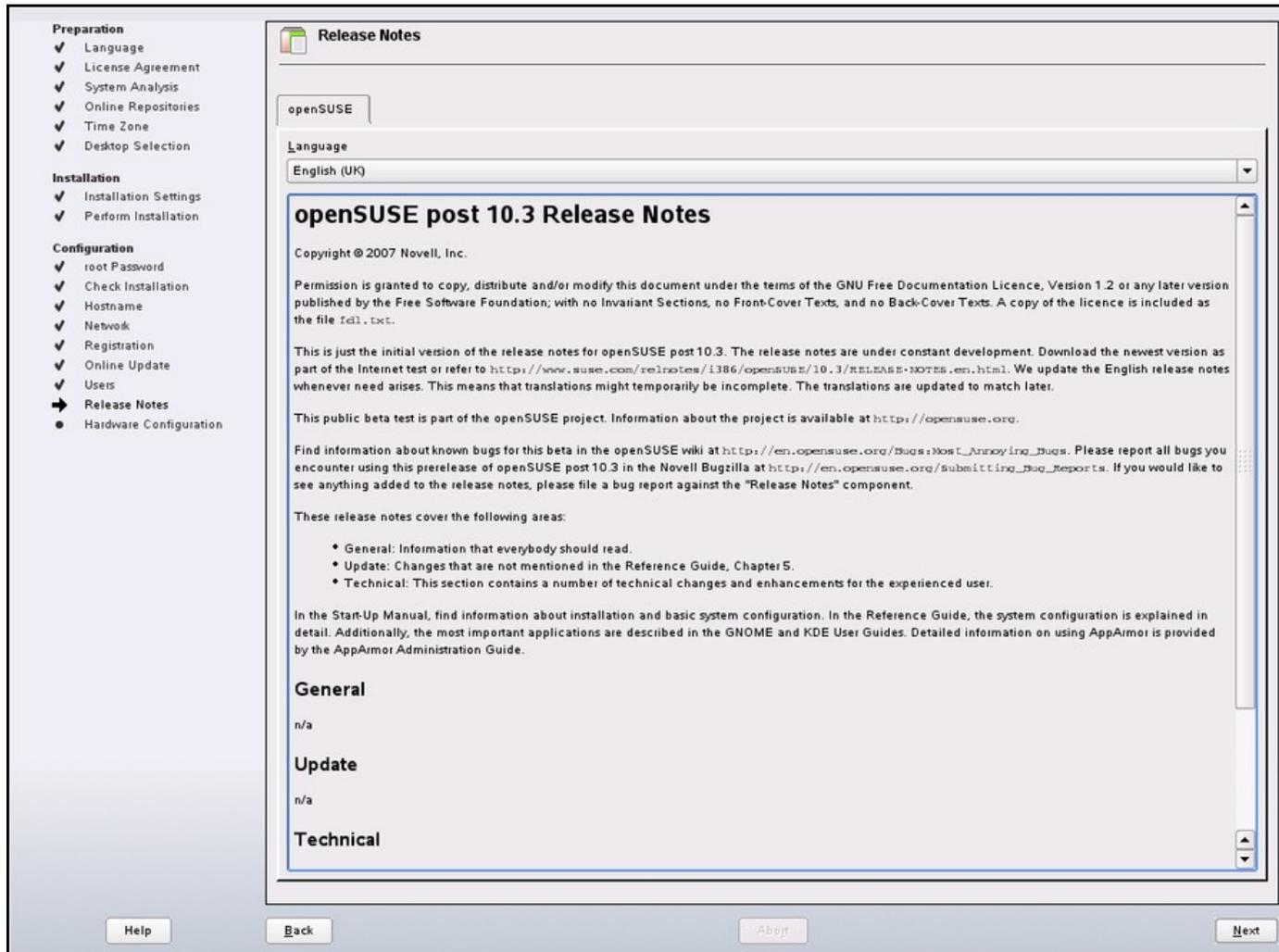
# Installing 10.3 (16)



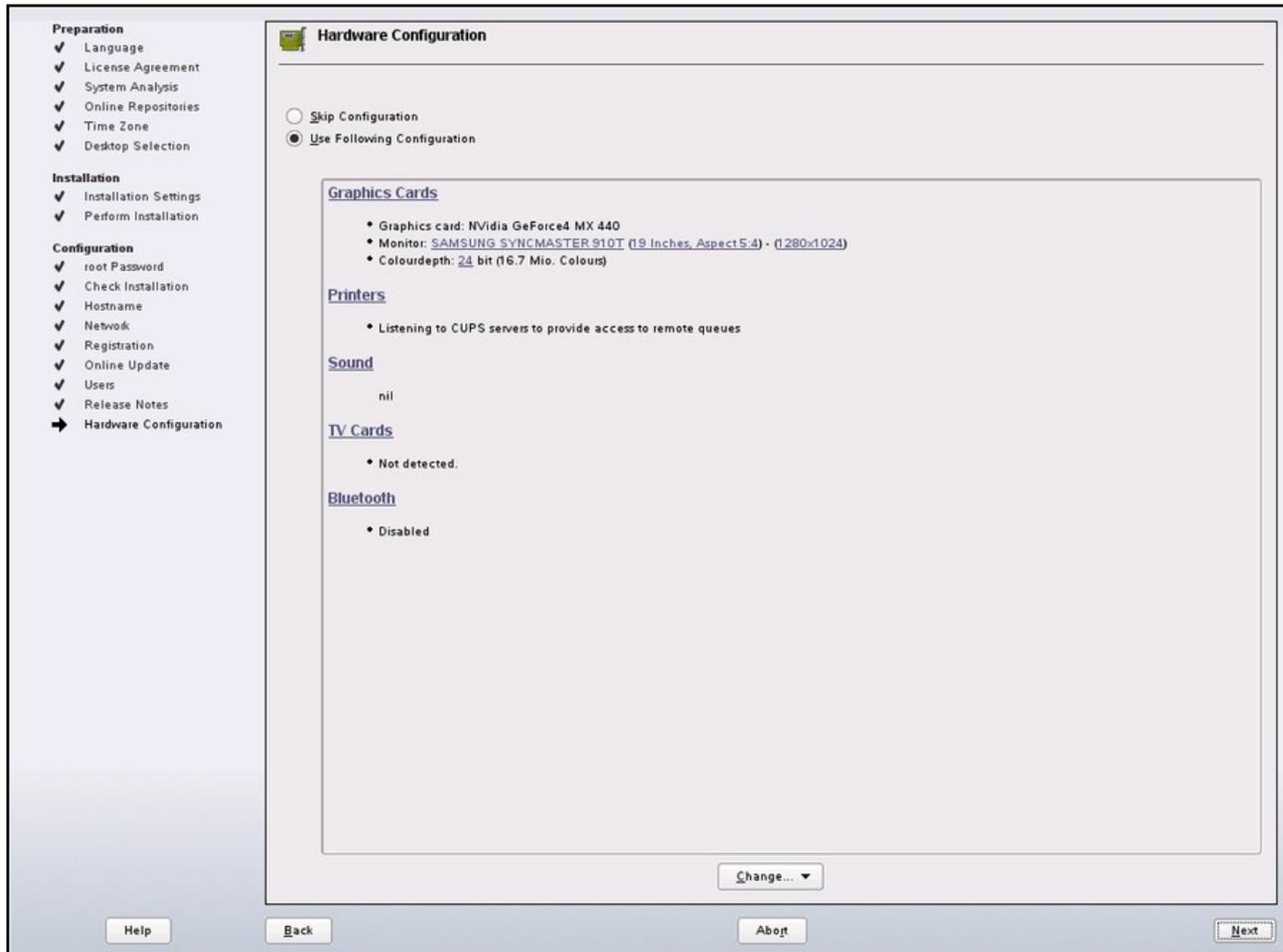
# Installing 10.3 (17)



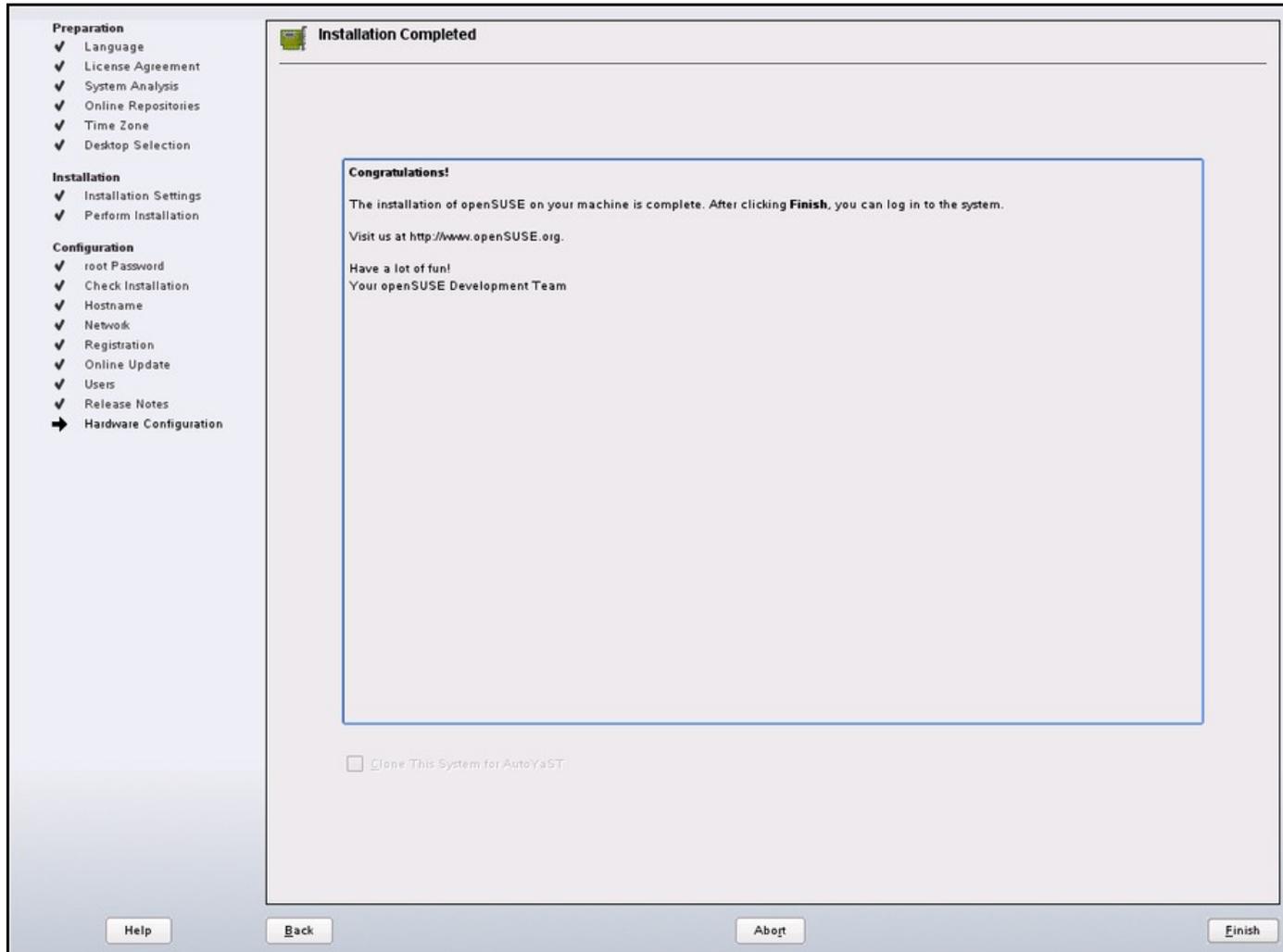
# Installing 10.3 (18)



# Installing 10.3 (19)



# Installing 10.3 (20)



# Summary: “It's just too much”

- Yast workshop in Prague October 2007
- Action Items: faster, sexier, simpler



# Something Had To Be Done

- Concentrating on the workflow and the look & feel
- More icons for easier parsing
- Better split between installation and administration
- Trying to combine steps for less clicks
- “Pimping up” Installer
- (the picture is unrelated, but still funny)



# Pimp My Installer

# Installing 11.0 Factory

The screenshot shows the openSUSE 11.0 installation interface. On the left is a green sidebar with a navigation menu. The main area is titled 'Languages' and contains settings for 'Language' and 'Keyboard Layout', both set to 'English (US)'. Below these is a 'License Agreement' section with a scrollable text area containing the Novell Pre-Release Software License Agreement. At the bottom, there is a checkbox for 'I Do Agree to the License Terms.' and navigation buttons for 'Help', 'About', 'Back', and 'Next'.

**openSUSE 11.0**

**Preparation**

- ▶ **Welcome**
  - System Analysis
  - Time Zone
  - Disk
  - User Settings
- Installation**
  - Installation Overview
  - Perform Installation
- Configuration**
  - root Password
  - Check Installation
  - Hostname
  - Network
  - Registration
  - Online Update
  - Users
  - Release Notes
  - Hardware Configuration

## Languages

Language: English (US)

Keyboard Layout: English (US)

### License Agreement

openSUSE 11.0  
Novell Pre-Release Software License Agreement

PLEASE READ THIS AGREEMENT CAREFULLY. BY INSTALLING OR OTHERWISE USING THE SOFTWARE (INCLUDING ITS COMPONENTS), YOU AGREE TO THE TERMS OF THIS AGREEMENT. IF YOU DO NOT AGREE WITH THESE TERMS, DO NOT DOWNLOAD, INSTALL OR USE THE SOFTWARE AND, IF APPLICABLE, RETURN THE ENTIRE UNUSED PACKAGE TO THE RESELLER WITH YOUR RECEIPT FOR A REFUND. THE SOFTWARE MAY NOT BE SOLD, TRANSFERRED, OR FURTHER DISTRIBUTED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM NOVELL.

#### RIGHTS AND LICENSES

This Novell Software License Agreement ("Agreement") is a legal agreement between You (an entity or a person) and Novell, Inc. ("Novell") with respect to the software product identified in the

I Do Agree to the License Terms.

Show License...

Help About Back Next

# Installing 11.0 Factory



# Installing 11.0 Factory

openSUSE 11.0

**Preparation**

- ✓ Welcome
- ✓ System Analysis
- ▶ **Time Zone**
- Disk
- User Settings

**Installation**

- Installation Overview
- Perform Installation

**Configuration**

- root Password
- Check Installation
- Hostname
- Network
- Registration
- Online Update
- Users
- Release Notes
- Hardware Configuration

## Clock and Time Zone



Region: Europe

Time Zone: Belgium

Hardware Clock Set To: UTC

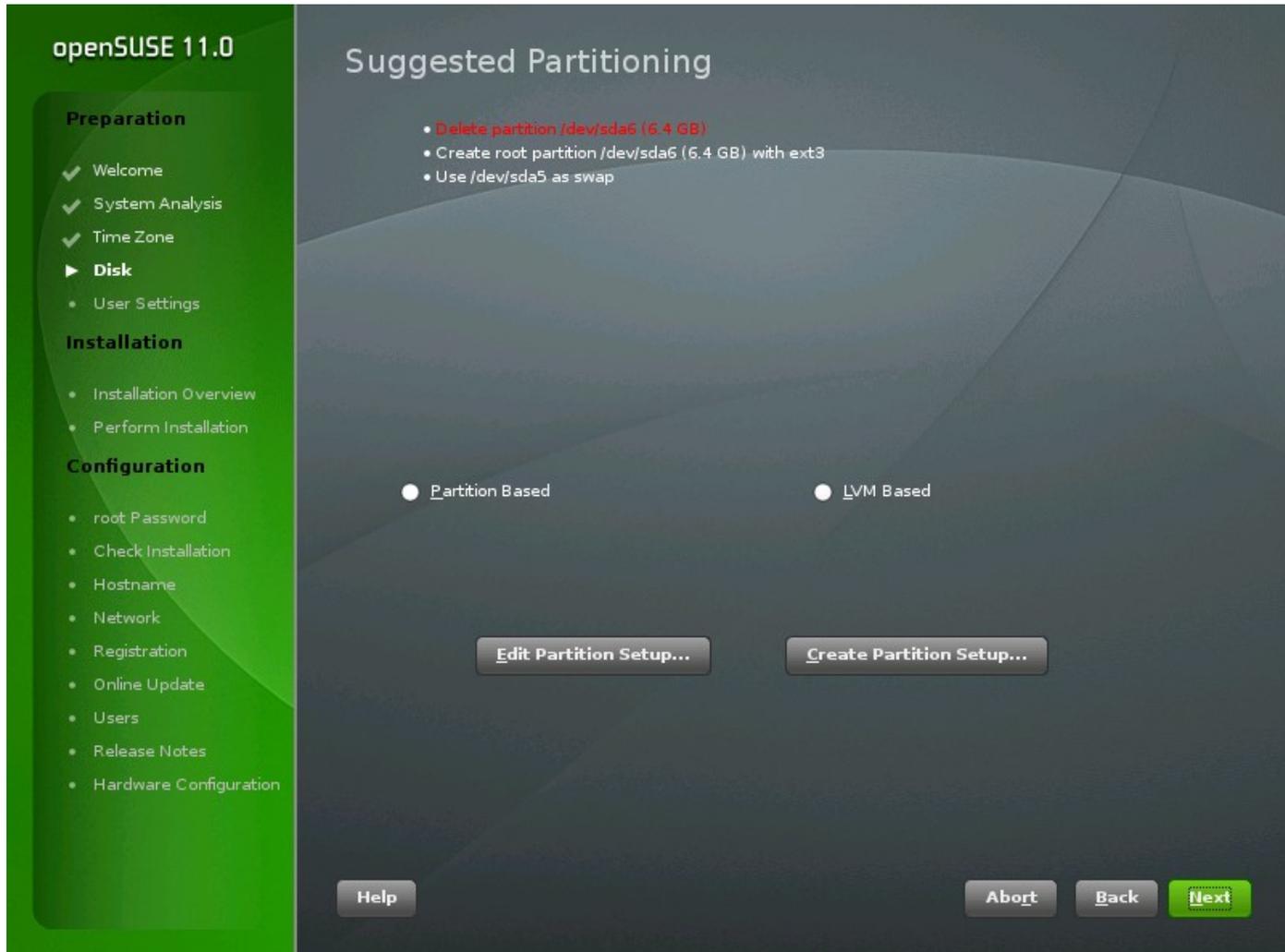
Time and Date: 14:25:56 - 2008-03-22 [Change...](#)

[Help](#) [About](#) [Back](#) [Next](#)

# Installing 11.0 Factory



# Installing 11.0 Factory



# Installing 11.0 Factory

openSUSE 11.0

**Preparation**

- ✓ Welcome
- ✓ System Analysis
- ✓ Time Zone
- ✓ Disk
- ▶ **User Settings**

**Installation**

- Installation Overview
- Perform Installation

**Configuration**

- root Password
- Check Installation
- Hostname
- Network
- Registration
- Online Update
- Users
- Release Notes
- Hardware Configuration

## Create New User

User's Full Name

Username

Password

Confirm Password

Use this password for system administrator

Receive System Mail

Automatic Login

Summary

The authentication method is local /etc/passwd.

The password encryption method is Blowfish.

[Change...](#)

[Help](#) [About](#) [Back](#) [Next](#)

# Installing 11.0 Factory

openSUSE 11.0

**Preparation**

- ✓ Welcome
- ✓ System Analysis
- ✓ Time Zone
- ✓ Disk
- ✓ User Settings

**Installation**

- ▶ **Installation Overview**
- Perform Installation

**Configuration**

- root Password
- Check Installation
- Hostname
- Network
- Registration
- Online Update
- Users
- Release Notes
- Hardware Configuration

## Installation Settings

Click any headline to make changes or use the "Change..." menu below.

[System](#)

[Partitioning](#)

- Delete partition /dev/sda6 (6.4 GB)
- Create root partition /dev/sda6 (3.0 GB) with ext3
- Create partition /dev/sda7 (3.4 GB) for /home with ext3
- Use /dev/sda5 as swap

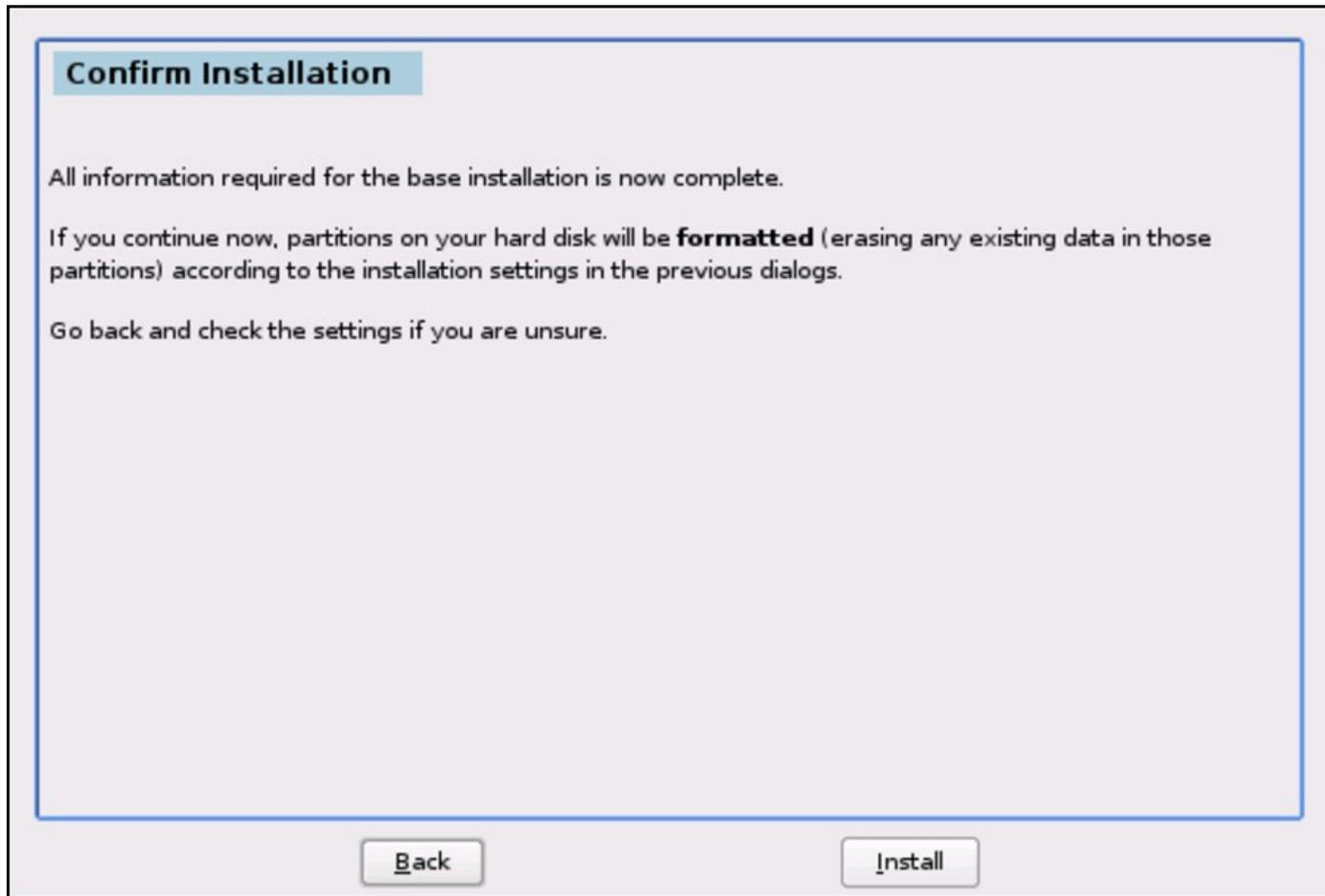
[Software](#)

- Product: openSUSE-factory
- System Type: KDE Desktop
- + Novell AppArmor
- + Base System
- + Enhanced Base System
- + Fonts
- + Games
- + Graphics
- + KDE Desktop Environment
- + KDE Base System
- + Multimedia
- + Misc. Proprietary Packages
- + Java Environment
- + Office Software
- + Software Management
- + X Window System
- + Desktop Effects
- Boot Loader type: GRUB

Change...

Help Abort Back **Accept**

# Installing 11.0 Factory



# Installing 11.0 Factory





# Installation Improvements

---

- “Normal” installation will create a desktop similar to Live install
- Once you're online, you're prompted to:
  - Register Update-Repository
  - Do Online Update
  - Register Community Repositories (build service)
  - Download additional software as you like
- Administration tasks are no longer part of installation
  - Open ssh port
  - Configure remote printer
  - Set custom host name
  - All defaults are still done, e.g. local hardware detected

Questions!



# We Want Your feedback

---

- What are your reasons for using openSUSE
- What are your reasons for not using it?
- Anything else not answered  
(and interesting for a room of people 😊) ?