

SECTION 1 Install SUSE Linux Enterprise Server 10

In this section of the workbook, you learn how to do the following:

- “Install SUSE Linux Enterprise Server 10” on 1-2

In this exercise, you install SUSE Linux Enterprise Server 10.

Exercise 1-1 Install SUSE Linux Enterprise Server 10

In this exercise, you install SUSE Linux Enterprise Server 10. Use the following specifications as a guideline:

- One partition with 1 GB for swap.
- One partition with 6 GB for / (there should be space left on the hard disk to add partitions in later exercises).
- Use default software patterns, add the C/C++ Compiler and Tools pattern
- root password: novell

(As *novell* is, of course, not adequate as a root password in production, you could use a different one; however, the exercises in this manual refers to *novell* as the root password.)

- Use a fixed IP address; the instructor will let you know which one to use:
 - IP address:
 - Network mask: **255.255.255.0**
 - Host name:
 - Domain name: **digitalairlines.com**
 - Name server: **10.0.0.254**
 - Default gateway: **10.0.0.254**

(In case you are doing this exercise in self-study with no other students in the network, use 10.0.0.10 as IP address and da10 as hostname.)

- Use local authentication; create a user account geeko, password: novell.
- Skip the online update

Detailed Steps to Complete this Exercise:

- Part I: Boot From the Installation Media
- Part II: Configure the Partitions for Your Hard Drive
- Part III: Configure the Installed Server

Part I: Boot From the Installation Media

To boot from the installation media, do the following:

1. Turn on the computer.
2. Insert *SUSE Linux Enterprise Server 10 DVD* into the DVD drive.
3. (Conditional) If your computer does not boot from the DVD drive, reboot the computer by selecting the **Reset** button or by pressing **Ctrl+Alt+Del**.

Adjust the BIOS settings so that the DVD drive is the first boot device and reboot the computer.

4. When the GRUB installation screen appears, select **Installation** with the arrow keys and press **Enter**.
5. From the language selection dialog, select *your language*; then select **Accept**.



Although you can select any available language, the exercises in this manual are written for English US.

6. When YaST displays the **Novell Software License Agreement**, select **Yes, I Agree to the License Agreement** and then **Next**.
7. When the installation mode dialog appears, select **New Installation**; then select **Next**.
8. Select your time zone in the **Clock and Time Zone** dialog. Select **UTC** and adjust the time to your current time, if needed.

When done, select **Next**. An Installation Settings proposal dialog appears.

9. Select **Keyboard Layout**; Select *your keyboard layout*; then select **Accept**.

You are returned to the Installation Proposal dialog.

Part II: Configure the Partitions for Your Hard Drive

1. Change the partitioning settings by selecting **Partitioning**.
2. Select **Create Custom Partition Setup**; then select **Next**.
3. Select **Custom Partitioning -- for experts**; then select **Next**.
4. Delete existing partitions:
 - a. From the Expert Partitioner dialog, check for any existing partitions in the partition list.
 - b. If there are partitions, select the *hard disk entry* of the corresponding partitions (such as **hda** or **hdc**).
 - c. Delete all existing partitions on the selected hard disk by selecting **Delete**.
 - d. When you are asked to confirm the deletion, select **Yes**.
 - e. (Conditional) If there is more than one hard disk containing partitions in the system, repeat Steps **b**, **c**, and **d** until only the hard disk entries are left in the list.
5. Create a swap partition:
 - a. From the partition list, select the *hard drive entry*; then select **Create**.

If you have more than one hard disk, select the larger disk.
 - b. Select **Primary partition**; then select **OK**.
 - c. In the End field of the size settings enter **+1GB**.
 - d. From the File system drop-down list, select **Swap**.
 - e. Add the swap partition by selecting **OK**.

6. Create the root partition:
 - a. Select the same hard disk you used for the swap partition; then select **Create**.
 - b. Select **Primary partition**; then select **OK**.
 - c. In the End field of the size settings enter **+6GB**.
 - d. Make sure that the following options are set:
 - **Reiser** should be selected from the File system drop-down list.
 - **/** should be selected from the Mount Point drop-down list.
 - e. Add the root partition by selecting **OK**.
7. Confirm the partitioning setup and return to the installation proposal by selecting **Finish**.
8. From the Installation Settings Overview, select **Accept**.
9. From the confirmation dialog, select **Install**.
10. (Conditional) If you are using the CD set instead of the DVD, YaST asks you to change CDs during the installation process and the server might reboot when the software from the first CD is installed.

Insert the requested CDs and select **OK**.

Part III: Configure the Installed Server

1. When presented with the **Hostname and Domain Name** dialog, enter the *hostname* in the **Hostname** field and *digitalairlines.com* in the **Domain Name** field.
2. Remove the selection in front of Change Hostname via DHCP; then select **Next**.
3. You are presented with the **Password for the System Administrator “root”** dialog. Enter **novell** in the **Password for root User** and the **Confirm Password** fields.
4. Continue by selecting **Next**.

You are warned that the password is too simple.

5. Continue by selecting **Yes**.

You are warned that you are using only lowercase letters.

6. Continue by selecting **Yes**.
7. In the **Network Configuration** proposal, under **Firewall** select **enabled**. The entry will change to **Firewall is disabled**.
8. From the Network Configuration proposal, select **Network Interfaces**.
9. Select the first detected network card and select **Edit**.
10. Select **Static Address Setup**.
11. In the **IP Address** field, enter *your IP address*.
12. In the **Subnet Mask** field, enter **255.255.255.0**.
13. Configure the host name and name server:
 - a. Select **Hostname and Name Server**.
 - b. Your hostname and domain name should already be filled in correctly; if not, enter your *hostname* and the domain name **digitalairlines.com**.
 - c. In case **Update Name Servers and Search List via DHCP** is selected, remove the selection by clicking on it.
 - d. In the Name Server 1 field, enter the **10.0.0.254** of the name server.
 - e. Return to the Network setup dialog by selecting **OK**.
14. Configure routing:
 - a. Select **Routing**.
 - b. In the Default Gateway field, enter **10.0.0.254**.
 - c. Return to the Network setup dialog by selecting **OK**.
15. Return to the Network Configuration dialog by selecting **Next**.
16. Continue with the installation by selecting **Next**; then select **Next** once more.

17. From the Test Internet Connection dialog, select **No, Skip This Test**; then select **Next**.
18. From the **Service Configuration** dialog, accept the default settings by selecting **Next**.
19. For the User Authentication Method, select **Local (/etc/passwd)**; then select **Next**.
20. Add a user:
 - a. User's Full Name: **Geeko Novell**
 - b. User Login: **geeko**
 - c. Password: **novell**
 - d. Confirm password: **novell**
 - e. Create the user by selecting **Next**; confirm the dialogs about a too simple password and an all lower case password with **Yes**.
21. From the **Release Notes** dialog, select **Next**.
22. In the **Hardware Configuration** dialog, review the settings suggested under **Graphics Cards**. On those that are incorrect, select the respective entry and correct it in the dialog that opens up.
23. Once the settings are correct, in the Hardware configuration dialog select **Next**.
24. Complete the installation process by selecting **Finish**.

(End of Exercise)

