

Installing SUSE Linux Enterprise Server 9 SP3 on the IBM System p5 185 or IBM Intellistation POWER 185

A change in the IBM^(R) System p5^(TM) 185 and IBM Intellistation^(R) POWER^(TM) 185 requires changes to the standard installation procedures as described in this document.

These instructions explain how to use the serial console to install SUSE Linux Enterprise Server 9 SP3 on the IBM System p5 185 or IBM Intellistation POWER 185. These procedures describe a CD installation and a network installation of the operating system.

Installation using a graphical display

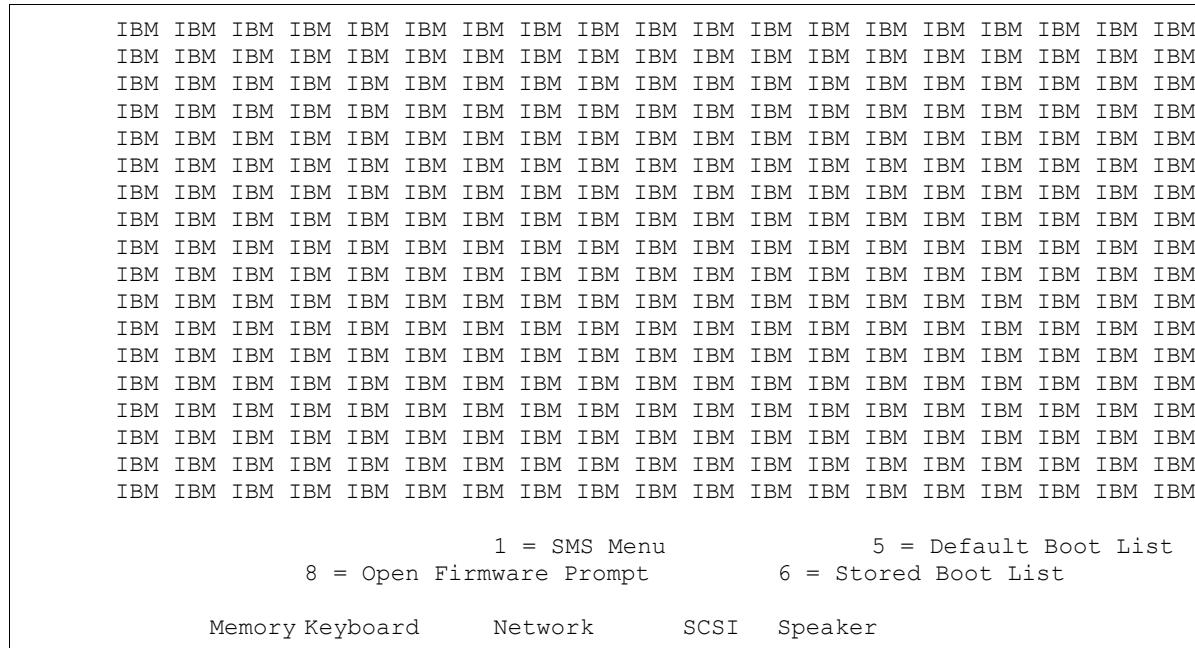
If your system has a graphics adapter, you can perform a normal installation using a display, keyboard, and mouse attached to your system. If your system doesn't have a graphics adapter, you will need to perform the installation using a serial console as described in this document.

CD installation using a serial console

1. Plug the serial cable into the serial port adjacent to the USB ports. On the rack mounted system, this is the bottom serial port. On the deskside system, this is the serial port on the left side when you are looking at the back of the system. Use baud rate 9600.

Note: If you are using the incorrect serial port, you will see the early stages of the boot process but it will stop after the "returning from prom init" message. If this occurs, power off the system and attach the serial cable to the correct serial port before you restart the installation process.

2. Power the system on and insert the SLES 9 SP3 installation CD.
3. Follow the on-screen prompts until you see the following screen:



4. Select **SMS Menu**. When the SMS Main Menu appears, select **Select Boot Options** and

configure the system to boot from the CD.

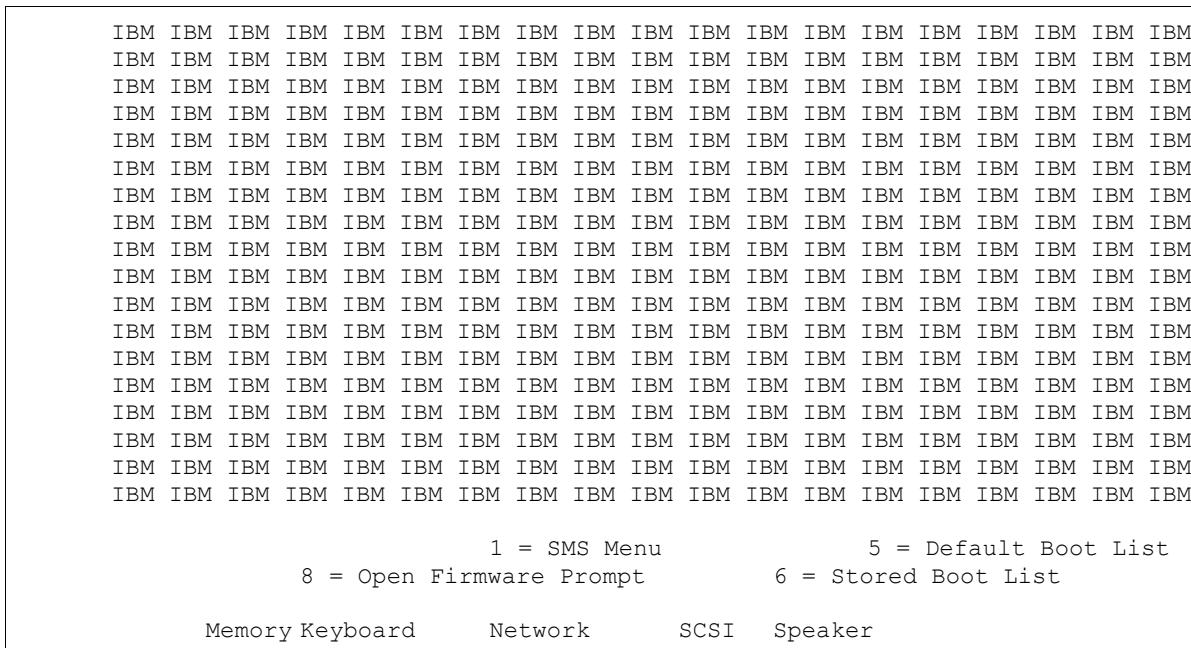
5. At the Select Task menu, select **Normal Mode Boot**, and then exit from SMS.
 6. At the **boot:** prompt, enter the following command:
`install console=ttyS4`
The system will proceed to boot from the CD.
 7. When you are prompted to insert CD number 1, insert CD 1 of the original SLES 9 CDs, SLES-9-ppc-CD1.
 8. Follow the on-screen prompts to complete the installation, and the system will reboot. When the configuration of the system is finished, you will get a login prompt on the serial console.

Network installation using a serial console

1. Plug the serial cable into the serial port immediately adjacent to the USB ports. On the rack mounted system, this is the bottom serial port. On a deskside system, this is the serial port on the left side when you are looking at the back of the system. Use baud rate 9600.

Note: If you are using the incorrect serial port, you will see the early stages of the boot process but it will stop after the "returning from prom init" message. If this occurs, power off the system and attach the serial cable to the correct serial port before you restart the installation process.

2. Power the system on and follow the on-screen prompts until you see the following screen:



3. Select **Open Firmware Prompt**.
 4. Set the boot parameter for the serial console by entering the following command:
`setenv boot-file console=ttyS4`
 5. Return to the start up menu by entering the following command:
`dev packages/qui obe`

6. Select **SMS Menu**. When the SMS Main Menu appears, select **Setup Remote IPL (Initial Program Load)**.
7. Select the appropriate network adapter. Then, select **IP Parameters**, and enter the appropriate settings for your network configuration.
8. Return to the main menu and select **Select Boot Options -> Select Install/Boot Device -> Network**.
9. Select the network adapter that you configured in step 7 as your boot device.
10. At the Select Task menu, select **Normal Mode Boot**, and then exit from SMS. The system will proceed to install SLES9 SP3.
11. You will see the following prompt:

```
>>> SUSE LINUX Enterprise Server 9 installation program v1.6.53 (c) 1996-2004  
SUSE LINUX AG <<<
```

```
Starting hardware detection...  
Activating usb devices... done  
Searching for info file...  
Driver Update: Service Pack 3
```

```
Make sure that CD number 1 is in your drive.
```

```
1) OK  
2) Back
```

```
>
```

Select **Back** to do a network install.

12. Select your language.
13. At the Linuxrc Main Menu, select **Kernel Modules (Hardware Drivers) -> Load ppc_pseries64 Modules**.
14. If you are using the on-board Ethernet adapter, enter **4** to select the e1000 kernel module. You can press Enter to accept the defaults when prompted to enter the parameters for “e1000”.
15. Press Enter to return to the Linuxrc Main Menu, then select **Start Installation or System -> Start Installation or Update -> Network**.
16. Follow the on-screen prompts to finish configuring the network installation. When the installation is complete, the system will reboot. When the configuration of the system is finished, you will get a login prompt on the serial console.