Unit 5
AIX 6 installation
Unit objectives

After completing this unit, you should be able to:

- List the different installation and media options available
- List the steps necessary to install the AIX version 6.1 base operating system
- Identify the tasks that can be carried out using the Configuration Assistant
Installation methods

- CD-ROM
- Tape (not available for AIX 6.1 installation)
  - 4 mm
  - 8 mm
- Preinstallation option (for a new system order)
- Network Installation Manager (NIM)
  - Token Ring
  - Ethernet
  - FDDI
Insert CD in CD-ROM drive

Power on peripheral SCSI devices

Power on system

Press <5>
Installation process (from NIM)

1. Prepare the NIM server
2. Boot system to SMS mode
3. Configure for network boot
4. Initiate boot (exit SMS)
Console and language definition

Select your console

This message is displayed in different languages to:

- All native graphics displays
- Terminal on serial

****** Please define the System Console.
******
Type the F1 key and press Enter to use this display as the System Console.

NEXT:
Select the language for installation
At the **Installation and Maintenance** menu, check all the installation settings:

```
Welcome to Base Operating System
Installation and Maintenance

Type the number of your choice and press Enter. Choice indicated by >>>

1 Start Install Now with Default Settings
   >>> 2 Change/Show Installation Settings and Install
   3 Start Maintenance Mode for System Recovery
   4 Configure Network Disks (iSCSI)

88 Help ?
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>>> Choice [1]: 2
```
Either type 0 or press Enter to install with current settings, or type the number of the setting you want to change and press Enter.

1 System Settings:
   Method of installation ...................... New and Complete Overwrite
   Disk where you want to Install ........... Hdisk0

2 Primary Language Environment Settings (AFTER Install):
   Cultural Convention ...................... English (United States)
   Language .................................. English (United States)
   Keyboard ................................. English (United States)
   Keyboard Type ......................... Default

3 Security Model .......................... Default

4 More Options (Software install options)

0 Install with the settings listed above
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>>> Choice [1]:

Warning: Base operating system installation will destroy or impair recovery of SOME data on the destination disk hdisk0
Method of installation

Option 1 of the **Installation and Settings** menu:

---

**Change Method of Installation**

Type the number of your choice and press Enter.

1. **New and Complete Overwrite**
   Overwrites EVERYTHING on the disk selected for installation.
   Warning: Only use this method if the disk is totally empty or there is nothing on the disk you want to preserve.

2. **Preservation Install**
   Preserves SOME of the existing data on the disk selected for installation.
   Warning: This method overwrites the user (/usr), variable (/var), temporary (/tmp), and root (/) file systems. Other product (application) files and configuration data will be destroyed.

3. **Migration Install**
   Upgrades the Base Operating System to current release. Other product (application) files and configuration data are saved.

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>>> Choice [2]: 1
## Installation disks

### Change Disks Where You Want to Install

Type one or more numbers for the disk(s) to be used for installation and press Enter. To cancel a choice, type the corresponding number and press Enter. At least one bootable disk must be selected. The current choice is indicated by >>>.

<table>
<thead>
<tr>
<th>Name</th>
<th>Location Code</th>
<th>Size</th>
<th>VG</th>
<th>Bootable</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;&gt;&gt;1</td>
<td>hdisk0</td>
<td>10-80-00-4,0</td>
<td>2063</td>
<td>rootvg</td>
</tr>
<tr>
<td>2</td>
<td>hdisk1</td>
<td>10-80-00-5,0</td>
<td>2063</td>
<td>rootvg</td>
</tr>
</tbody>
</table>

>>> 0 Continue with choices indicated above

- 55 More Disk Options
- 66 Disks not known to Base Operating System Installation
- 77 Display Alternative Disk Attributes
- 88 Help?
- 99 Previous Menu

>>> Choice [0]: 
Erasure Options for Disks

Select the number of times the disk(s) will be erased, and select the corresponding pattern to use for each disk erasure. If the number of patterns to write is 0 then no disk erasure will occur. This will be a time consuming process. Either type 0 and press Enter to continue with the current settings, or type the number of the setting you want to change and press Enter.

1. Number of patterns to write............ 0
2. Pattern #1.......................................... 00
3. Pattern #2.......................................... ff
4. Pattern #3.......................................... a5
5. Pattern #4.......................................... 5a
6. Pattern #5.......................................... 00
7. Pattern #6.......................................... ff
8. Pattern #7.......................................... a5
9. Pattern #8.......................................... 5a

>>> 0 Continue with choices indicated above
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>>> Choice[0]:
Primary language environment

Option 2 of the **Installation and Settings** menu:

Type the number for the Cultural Convention (such as date, time, and money), Language and Keyboard for this system and press Enter, or type 106 and press Enter to create your own combination.

<table>
<thead>
<tr>
<th>Cultural Convention</th>
<th>Language</th>
<th>Keyboard</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;&gt; 1. C (POSIX)</td>
<td>C (POSIX)</td>
<td>C (POSIX)</td>
</tr>
<tr>
<td>2. Albanian</td>
<td>English (United States)</td>
<td>Albanian</td>
</tr>
<tr>
<td>3. Arabic</td>
<td>Arabic (Bahrain)</td>
<td>Arabic (Bahrain)</td>
</tr>
<tr>
<td>.....</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. MORE CHOICES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>88 Help ?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>99 Previous menu</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Choice [1]:

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Option 4 of the **Installation and Settings** menu:

Install Options

Either type 0 and press Enter to install with current settings, or type the number of the setting you want to change and press Enter.

1. Graphics Software .................................................... Yes
2. System Management Client Software ............................ Yes
3. Create JFS2 File Systems ........................................... Yes
4. Enable System Backups to install any system ..... Yes
   (Install all devices)

>>> 5. Install More Software

0 Install with the current settings listed above.

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>>> Choice [5]: _
Install More Software

Either type 0 and press Enter to install with current settings, or type the number of the setting you want to change and press Enter.

1. Firefox (Firefox CD) ........................................................ No
2. Kerberos_5 (Expansion Pack)........................................ No
3. Server (Volume 2)............................................................. No

>>> 0  Install with the current settings listed above.

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>>> Choice [0]: _
Begin installation

Installing Base Operating System

Please wait . . . . . .

<table>
<thead>
<tr>
<th>Approximate % tasks completed</th>
<th>Elapsed Time (in minutes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>1</td>
</tr>
</tbody>
</table>

- Builds AIX directory structure
- Restores BOS, locale, and filesets from installation media only
- Installs software for the connected and powered on devices
Configuration Assistant menu

The following tasks may be optional -- you can select only the tasks that you need to complete now. You will be returned to this window when each task is completed. When you have completed all the tasks that you want to perform, select the Exit Configuration Assistant task.

Which task would you like to do next?

- Set or verify system date and time.
- Set password for administrator (root user).
- Manage system storage and paging space.
- Configure network communications (TCP/IP).
- Configure a web server to run Web-based System Manager in a browser.
- Configure Online Documentation Library Service
- Exit the Configuration Assistant.
Checkpoint

1. AIX 5 can be installed from which of the following? (Select all that are correct)
   a. 8 mm tape
   b. CD-ROM
   c. Diskette
   d. 4 mm tape

2. True or False? A Preservation Install preserves all data on the disks.

3. What is the console used for during the installation process?
   __________________________________________
   __________________________________________
1. AIX V6.1 can be installed from which of the following? (Select all that are correct)
   • 8 mm tape
   • CD-ROM
   • Diskette
   • 4 mm tape

   • True or False? A Preservation Install preserves all data on the disks.

   Preserves SOME of the existing data on the disk selected for installation. Warning: This method overwrites the user (/usr), variable (/var), temporary (/tmp), and root (/) file systems. Other product (application) files and configuration data are destroyed.

4. What is the console used for during the installation process?
   The console is used to display all the system messages and interact with the installation.
Exercise 5: AIX install and Configuration Assistant

- Installing AIX 6.1
- Configuration Assistant
Unit summary

- AIX V6.1 is only distributed on CD-ROM.
- In order to install the base operating system, system specific questions have to be answered before the process can begin.
- The Configuration Assistant is used by the system administrator to further customize the system.