



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

Installation process (from CD)

Insert CD in CD-ROM drive



Power on peripheral SCSI devices

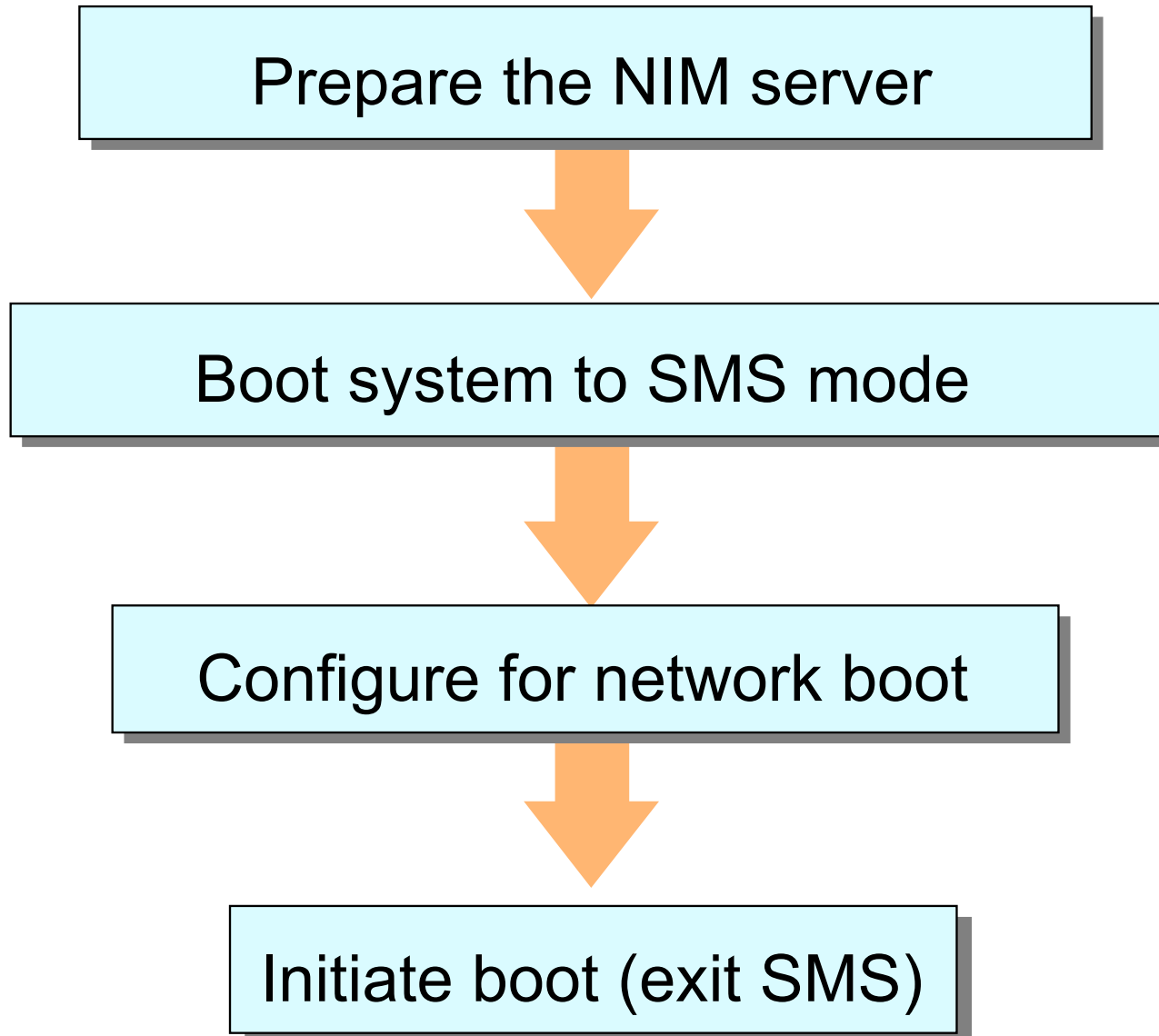


Power on system



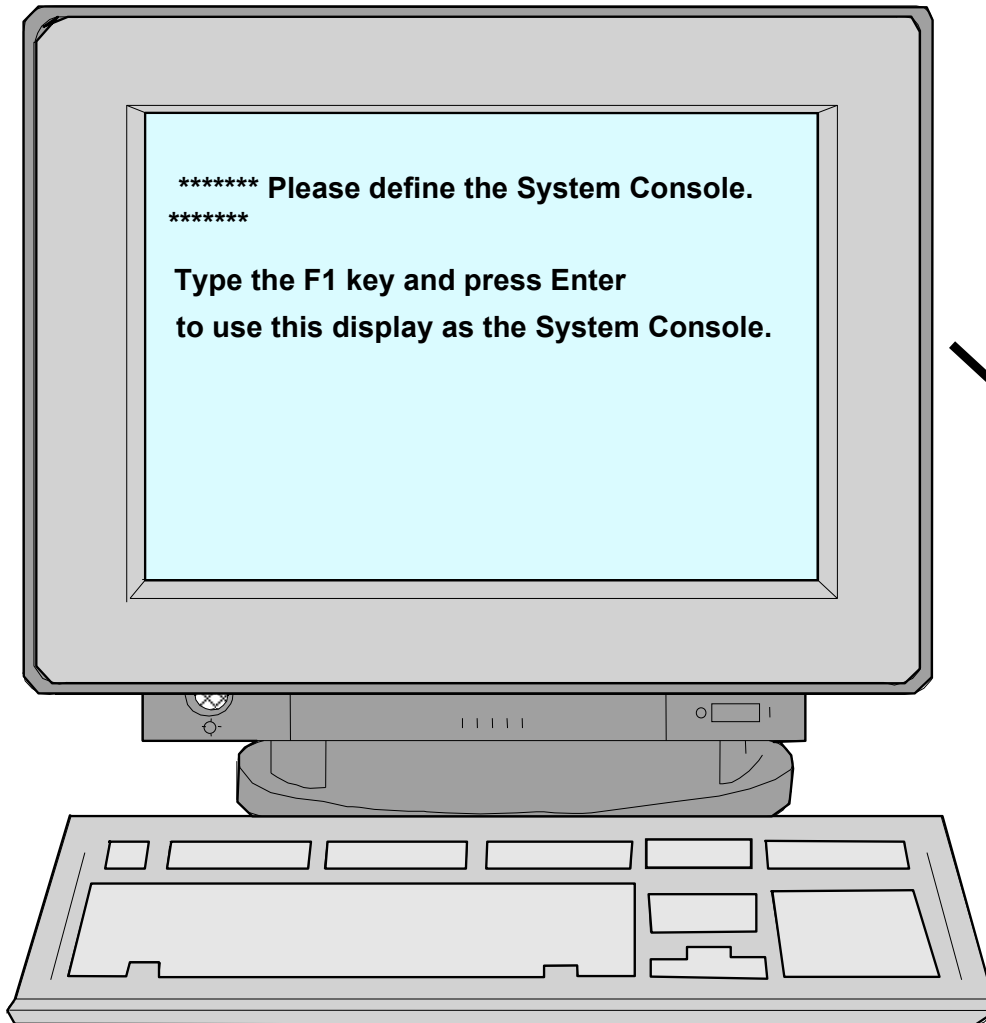
Press <5>

Installation process (from NIM)



Console and language definition

Select your console



This message is displayed in different languages to:

- All native graphics displays
- Terminal on serial

NEXT:

Select the language for installation

Installation and Maintenance menu

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

Installation and Settings

Installation and Settings

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 >>>.

	Name	Location Code	Size (MB)	VG Status	Bootable
>>>1	hdisk0	10-80-00-4,0	2063	rootvg	yes
2	hdisk1	10-80-00-5,0	2063	rootvg	no

>>> 0 Continue with choices indicated above

55 More Disk Options

66 Disks not known to Base Operating System Installation

77 Display Alternative Disk Attributes

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>>> Choice [0]:

Erasure Options for Disks

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.

Cultural Convention	Language	Keyboard
>> 1. C (POSIX)	C (POSIX)	C (POSIX)
2. Albanian	English (United States)	Albanian
3. Arabic	Arabic (Bahrain)	Arabic (Bahrain)

10. MORE CHOICES

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Choice [1]:

Install Options

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

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

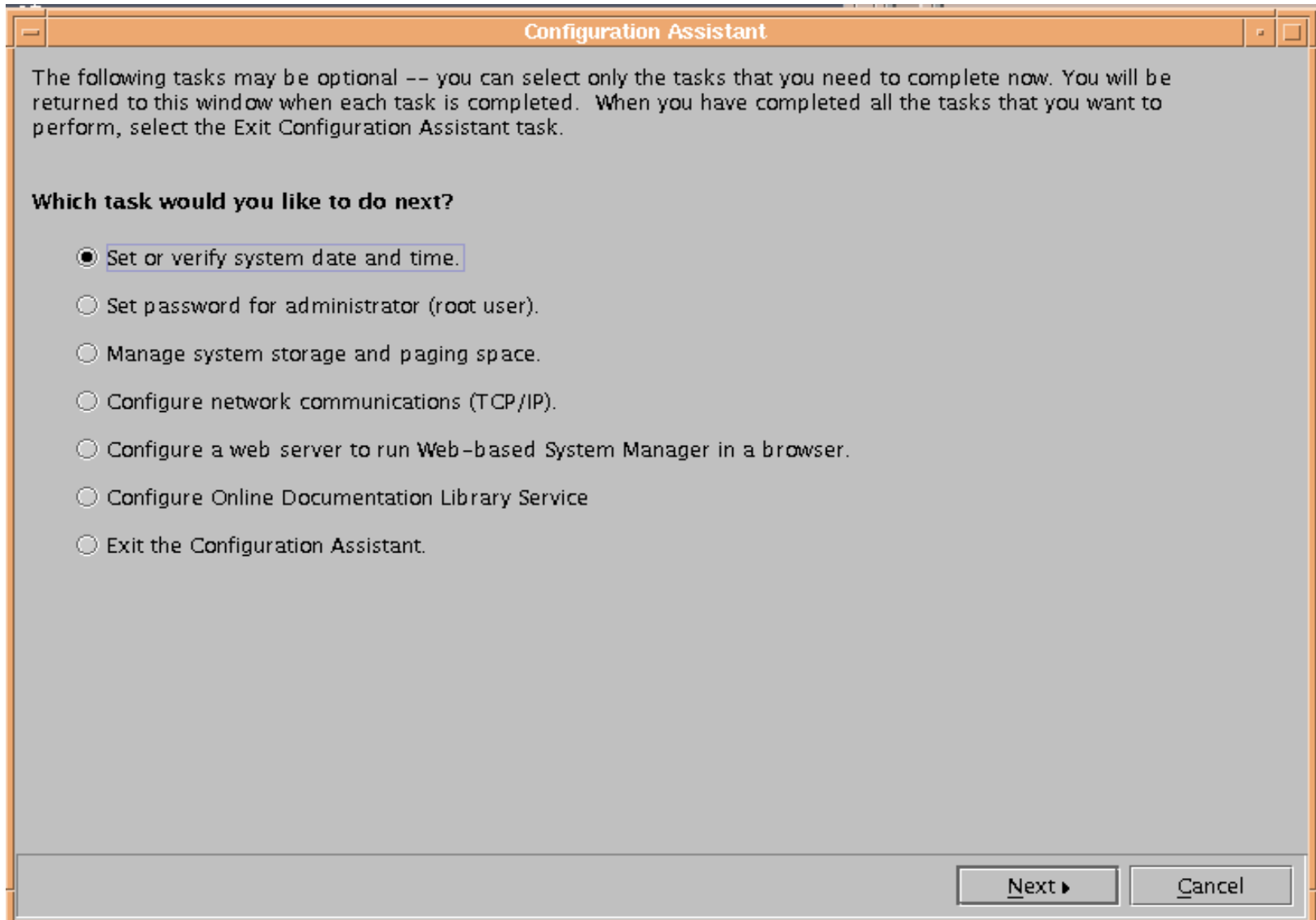
Please wait

**Approximate
% tasks completed
16**

**Elapsed Time
(in minutes)
1**

- 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



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?

Checkpoint solutions

1. AIX V6.1 can that be installed from which of the following?
(Select all are correct)

- 8 mm tape
- ☒ • CD-ROM
- Diskette
- 4 mm tape

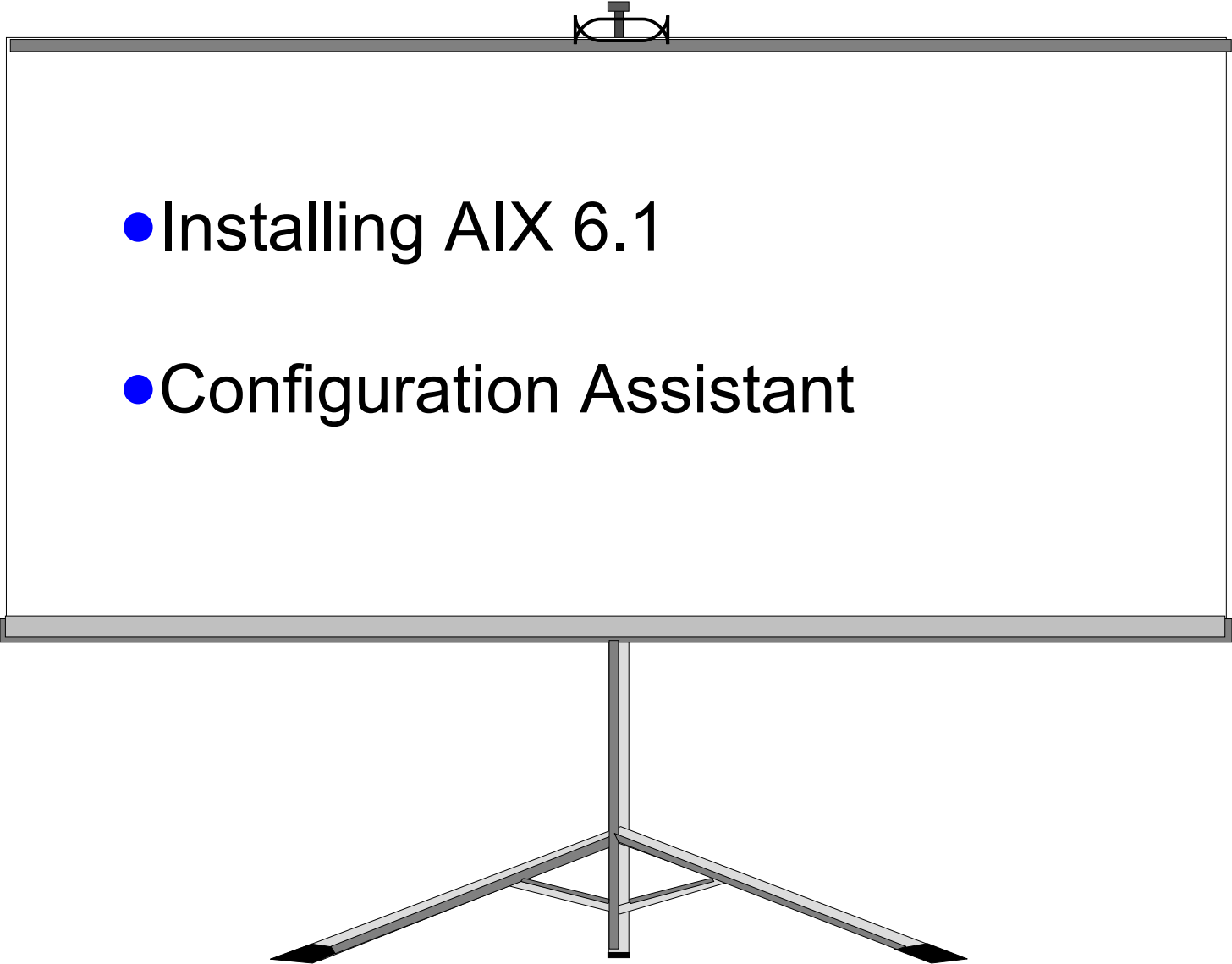
• True or False? A Preservation Install preserves all data on the disks.

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.

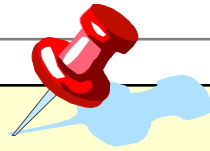
4. What is the console used for during the installation process?

The console is used to display all the system messages and interact with the installation.

Exercise 5: AIX install and Configuration Assistant

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- A flipchart with a white surface and a grey border. It is mounted on a silver-colored metal stand with three legs. A small metal clip is attached to the top center of the flipchart. The flipchart contains a bulleted list of two items.
- 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.