

IBM AIX 7
Open Beta
Getting Started Information
Version 1.1
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Introduction

This document describes general information and installation instructions for the AIX 7 Open Beta.

For specific information related to the content and limitations of the Open Beta Driver, see the AIX 7 Open Beta Release Notes document.

This information is to be used only for the AIX 7 Open Beta.

Determining if your IBM hardware system is supported on AIX 7

The AIX 7 Open Beta can be run on any IBM System p or eServer pSeries system that is based on POWER4, PPC970, POWER5, POWER6 or POWER7 processors.

To display the system configuration information, enter:

- prtconf
- The system will display a message that indicates the Processor Type

Preparing to install the AIX 7 Open Beta Driver

Before you install your AIX 7 system, create a system backup (mksysb) via tape, CD, or Network Install Management (NIM) of your current AIX installation.

Downloading CD or DVD ISO Images and Creating Media

The images offered for the AIX 7 Open Beta are in ISO 9660 format, which is an image of a CD-ROM or DVD. Once downloaded, these images can be burned directly to media.

When downloading the images with Download Director, note the name of the file saved; once downloaded it may not be obvious from the name of the file the CD image it contains.

Burning media on AIX Systems

If you have a CD/DVD burner attached to your AIX system, you can use the 'burn_cd' command to create your media. If your burner is cd1, and the ISO file was located in /tmp/cd_images/ and the file was named cd.AIX_7_OpenBeta.V1.ISO, then the command would be:

```
# /usr/sbin/burn_cd /dev/cd1 /tmp/cd_images/dvd.1022A4_OBETA_710.iso
```

Burning media on Personal Computers

If you have a CD/DVD burner attached to your PC or laptop, a variety of software products are available for burning CDs. Be sure to use the option to 'Create a disk from an image already on your hard drive' (or something similar) and not the 'Create a data disk' option. Many software products require that the name of the file that you want to burn end with a '.iso'.

Installing the AIX Open Beta Driver

The AIX 7 Open Beta driver is delivered by restoring a system backup (mksysb) of the code downloaded via DVD ISO image from the AIX Open Beta web-site.

Once you have downloaded and created the AIX 7 Open Beta media (as described above) follow the following steps to install the 'mksysb'

1. Put the DVD of the AIX Open Beta in the DVD drive. A series of screens/menus will be displayed. Follow the instruction on the screens and make the following selections:
 - Type 1 and press Enter to have English during install
 - Type 1 to continue with the install.
 - Type 1 to Start Install Now with Default Settings
2. The system will start installing the AIX 7.0 BETA
3. Upon completion of the install, the system will reboot. You can then login as "root", no password is required.

A separate download is required for network install support. The NIM image is in tar format and available from the AIX Open Beta web-site. The image name should be similar to 710_NIM.tar.

The tar image contains the following:

710_1026A_SPOT/	This is a complete 710 spot environment and can be used for network installing the AIX 7 Open Beta mksysb
710_1026A_SPOT.chrp.64.ent	710 network boot image
inst.images/	This install directory contains the bos.sysmgt package and can be used for installing the latest NIM support for AIX 7 Open Beta.

Once you have downloaded the AIX 7 Open Beta NIM tar image, perform the following steps:

1. Copy the tar image to a NIM master at **AIX level 6.1 TL5 or higher** and extract the tar contents in a directory of your liking. **Directory /710_Beta is used in our example:**
 - i. # mkdir /710_Beta

- ii. # cp 710_NIM.tar /710_Beta
 - iii. # cd /710_Beta
 - iv. # tar -xvpf 710_NIM.tar
2. For network install support of your AIX 7 Open Beta mksysb image, define the extracted spot as a NIM resource. **NOTE: AIX master must be at 6.1 TL5 or higher.**
- i. # nim -o define -t spot -a server=master \
-a location=/710_Beta 710_1026A_SPOT
3. If errors are encountered, they may be cosmetic.. simply verify that the Rstate of the resource is listed as "ready for use".
- i. # lsnim -l 710_1026A_SPOT
710_1026A_SPOT:
class = resources
type = spot
plat_defined = chrp
Rstate = ready for use
prev_state = verification is being performed
location = /eric/710_1026A_SPOT/usr
version = 7
release = 1
mod = 0
oslevel_r = 7100
alloc_count = 0
server = master
if_supported = chrp.64 ent
Rstate_result = success
4. Use the 710_1026A_SPOT resource to network install the AIX 7 Open Beta mksysb contained in the iso image.
5. To install the NIM filesets within an **existing** AIX 7 Open Beta environment:
- i. copy the entire contents (including the .toc file) of the inst.images/ directory to the target AIX 7 Open Beta system.
 - ii. install the bos.sysmgt.nim.master and bos.sysmgt.nim.spot filesets using the package contents of inst.images/
installp -aXd inst.images bos.sysmgt.nim.master bos.sysmgt.nim.spot
 - iii. Use smit or command-line to configure a nim master environment for AIX 7 Open Beta

Determining the AIX 7 code level running on your system

To determine the level of AIX 7 Open Beta code running on your system, enter:

- oslevel output shows V7BETA

New function included in the Open Beta

For detailed information on the following functions, reference the articles below in the AIX Information Center (see "Links" tab on the AIX 7 Open Beta web-site).

- AIX 5.2 Workload Partitions for AIX 7
- Removal of WPAR local storage device restrictions
- Domain support in Role Based Access Control (RBAC)

- Etherchannel enhancements across stacked switches in IEEE 802.3ad mode
- NIM thin server support for IPv6 and NFSv4