

IBM AIX 7
Release Notes
Open Beta Driver V7BETA

Version 2.0

July 15, 2010

Introduction

This document describes specific information about the contents and limitations of the AIX 7 Open Beta Driver V7BETA.

For general information and instructions on installation see the AIX 7 Open Beta Getting Started Information.

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

AIX V7BETA Limitations and Restrictions

- The AIX 7 Open Beta is available in only English, Japanese and Simplified Chinese locales. Translated messages and help are not available.
- Advanced Encryption support modules usually provided on the AIX Expansion Pack are not provided as part of the AIX 7 Open Beta. AIX operating system functions that rely on these encryption capabilities are not available, such as:
 - Encrypting File System
 - Trusted Execution
 - SSL based secure ftp
- AIX 5.2 Workload Partitions for AIX 7
This new enhancement to WPAR technology allows a client to backup AIX V5.2 and restore it into a WPAR running on AIX 7 on POWER7. This capability is designed to allow clients to easily consolidate smaller workloads running on older hardware onto larger, more efficient POWER7 systems. Although this capability is designed specifically for POWER7, it can be tested on older POWER processors during the open beta. Please note that this capability will only work with AIX 5.2 TL10 SP8.
- The Open Beta code is being delivered via an “mksysb” install image. Migration installation is not supported with the open beta driver.
- After the installation of the mksysb, on reboot the Installation Assistant is not automatically displayed. You can start the Installation Assistant using the command “install_assist”.
- The open beta driver does not support IBM Systems Director Agent.
- When installing in a disk smaller than 15.36 GB, the following warning is displayed:

A disk of size 15360 was specified in the bosinst.data file, but there is not a disk of at least that size on the system.

You can safely ignore this warning. The image is known to install without issues on an 8 GB disk.

Determining if Code is AIX 7.1 Beta or GA level

AIX 7.1 Beta

- oslevel output shows V7BETA
- cat /usr/lpp/bos/aix_release.level output shows 1022A_710
- oslevel -r output shows 7100-00-00
- Message of the day shows AIX Version 7 BETA
- uname -vr output shows 0 7

AIX 7.1 GA

- oslevel output shows 7.1.0.0
- cat /usr/lpp/bos/aix_release.level output shows 7.1.0.0

AIX V7.1 supports IBM systems based on the following technologies:

- IBM PPC-970
- IBM POWER4
- IBM POWER5
- IBM POWER6
- IBM POWER7

Programming Support

AIX V7.1 only supports the 64-bit kernel. Both 32-bit and 64-bit applications will continue to run unchanged on AIX V7.1, but 32-bit device drivers or kernel extensions are not supported on AIX V7.1.

AIX 7.1 Information Center

To view the latest AIX 7.1 documentation to support the new and changed AIX 7.1 function, use the AIX 7.1 Information Center. A draft version of the Information Center is available at the following URL:

<http://publib.boulder.ibm.com/infocenter/aix/v7r1/>

Submitting comments

If you have any comments about the documentation in the Information Center, click the 'Feedback' button at the bottom of the Information Center topic for which you have a comment. Then, complete the form as requested.

Draft level documentation

The Information Center contains draft level documentation. Some of the topic collections have been updated and some have not.

The following topic collections are updated for the 7.1 release:

- Commands, Volume 1
- Commands, Volume 2
- Commands, Volume 3
- Commands, Volume 4
- Commands, Volume 5
- Commands, Volume 6
- AIX Glossary
- Files Reference
- Technical Reference: Base Operating System and Extensions, Volume 1
- Technical Reference: Base Operating System and Extensions, Volume 2
- Technical Reference: Communications, Volume 1
- Technical Reference: Communications, Volume 2
- Technical Reference: Communications, Volume 3
- Technical Reference: Kernel and Subsystems, Volume 1
- Technical Reference: Kernel and Subsystems, Volume 2
- AIX Fast Connect
- Understanding the Advanced Accounting Subsystem
- CIM installation and configuration
- Networks and Communication Management
- General Programming Concepts: Writing and Debugging Programs
- Installation and migration
- AIX Network Data Administration Facility (NDAF)
- National Language Support Guide and Reference
- IBM System Director Console for AIX
- Performance Management Guide
- Guide to Printers and Printing
- Security Guide

The following topic collections are in draft format for the 7.1 release.

- 5.2 AIX WPARs for AIX 7
- Workload Partitions
- Common Cryptographic Architecture Installation Guide V4.10
- Cluster Data Aggregation Tool User's Guide and Reference
- Operating System and Device Management
 - AIX Runtime Expert
 - AIX Profile Manager V1.1.0
- High availability
 - PowerHA SystemMirror

The following topic collections have not been updated yet.

- Assembler Language Reference
- Communications Programming Concepts
- Kernel Extensions and Device Support Programming and Concepts
- Keyboard Technical Reference
- Performance Toolbox Version 3 Guide and Reference

- Performance Tools Guide and Reference
- KDB Kernel Debugger and KDB command
- Network Information Services (NIS and NIS+) Guide
- Understanding the Diagnostic Subsystem for AIX
- Release Notes