

Hitachi Data Systems

ODM Update 5.0.0.1 for AIX (4.3.3 and 5.1)

Installation

RN-AIX002-00

This section describes the procedure to install Hitachi device definitions in the AIX ODM so 5800/9200/7700E/9960 LUNs will be recognized automatically by AIX at installation time and will have the Hitachi Data Systems required default settings.

This ODM update is for Fibre LUNs.

WARNING:

- 1. DO NOT INSTALL ODM update on DLM versions prior to 2.0.3. It will not recognize Hitachi defined LUNs and therefore will not build vpaths. The ODM update for Hitachi Data Systems LUN definitions is only for releases of DLM and HDLM 2.0.3 and later.**
- 2. Previous versions of the ODM must be uninstalled before installing this update.**

The ODM update filesets include the ODM parameters for all Hitachi disks.

- OPEN-3/8/9K/L/M
- OPEN-3/8/9/K/L/M for CVS
- OPEN-3/8/9/K/L/M for LUSE
- OPEN-3/8/9/K/L/M for CVS for LUSE (CVS/LUSE combination)
- 3380-KA/KB/KC
- 3380-KA/KB/KC for CVS
- 3390-3A/3B/3C for CVS
- OPEN-3/8/9/K/L/M for command device (include CVS/LUSE)

NOTE: The current file contains two install images. They are:

5.0.0.1 AIX Support for Hitachi Disk Arrays

5.0.0.0 HACMP Support for Hitachi Disk Arrays

Both of the above filesets are required when using concurrent resources with HACMP. HACMP must be installed prior to installing the HACMP support fileset.

This procedure describes installing the Hitachi Data Systems ODM Fibre updates for AIX :

- (1) Copy fileset to an AIX directory (/usr/sys/inst.images).**
cp HDS_FC_ODM2.bff /usr/sys/inst.images
- (2) Create a new .toc file**
#cd /usr/sys/inst.images
#inutoc .
- (3) Use installp to install the AIX support fileset**
#smitty install -choose 5.0.0.1 AIX Support for Hitachi Disk Arrays
 - a) Select option "Install and Update Software"**
 - b) Select option "Install and Update from LATEST Available Software"**

- c) When prompted for Input Device, enter the directory the fileset was copied to
- d) Use the F4 key to list packages to install
- e) Select a package by using the F7 key and press enter
 - o 5.0.0.1 AIX Support for Hitachi Disk Arrays
- Pressing the “Enter” key will start the install process
- (4) If necessary, remove HDS devices already defined as “Other FC SCSI”
 - #rmdev -dl hdisk(n) to remove one device
 - or
 - #rmdev -dl fscsi(n) -R to remove all devices on a path
- (5) Reboot AIX
- (6) Confirm parameters. The parameters must have the following values.

```
#lsattr -E -l hdisk(n)
pvid          ...
queue_depth   2
q_type        simple
q_err         yes
clr_q         no
rw_timeout    60
start_timeout 60
reassign_timeout 120
```

END OF PROCEDURE

To remove the ODM Fibre Update Package

1. Remove all Hitachi LUNs from the system using the rmdev command
 - a. rmdev -dl hdisk(n) remove a single hdisk
 - b. rmdev -dl fscsi(n) -R remove all hdisks on a path
2. Enter “smitty install” from the command line
 - a. Select “Software Maintenance and Utilities”
 - b. Select “Remove Installed Software”
 - c. Press F4 for “SOFTWARE name” to list all installed software
 - d. Search (/) for Hitachi and select the package to remove using the F7 key and press enter
 - e. Change “PREVIEW only” to no using the tab key (or F4 key)
 - f. Press enter to remove the package
 - g. Press enter to confirm warning message
 - h. Reboot

END OF PROCEDURE