

Hitachi Data Systems

**ODM Update 5.0.0.1 for AIX (4.3.3 and 5.1) Installation fileset ODM
Update 5.0.0.4 for AIX (4.3.3, 5.1, and 5.2) fileset update for 5.0.0.1
Update 5.0.1.4 for AIX (4.3.3, 5.1, and 5.2) fileset update for 5.0.0.4**

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This section describes the procedure to install Hitachi device definitions in the AIX ODM so 5800/9200/7700E/9960/9900V 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 5.0.0.1 unless you are installing the 5.0.0.4 update. 5.0.0.4 installs on the 5.0.0.1 base.**
3. **The 5.0.1.4 update installs on 5.0.0.4. All three ODM updates may be installed at the same time. Use the 5.0.0.1 installation procedure and select all three update packages (5.0.0.1, 5.0.0.4, and 5.0.1.4).**

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

- OPEN-3/8/9K/L/V
- OPEN-3/8/9/K/L/V for CVS
- OPEN-3/8/9/K/L/V for LUSE
- OPEN-3/8/9/K/L/V 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/V for command device (include CVS/LUSE)
- DF350, DF400, DF500, DF600

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.

To install the 5.0.0.1 ODM Fibre Update Package

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

To install the ODM Fibre Update Package for 5.0.0.4

NOTE: 5.0.0.4 will only apply if the base fileset 5.0.0.1 is installed.

1. Copy fileset to an AIX directory (/usr/sys/inst.images).
cp HDS_FC_ODMUPD.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 5.0.0.4 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 5.0.0.4 AIX Support for Hitachi Disk Arrays
 - o Pressing the “Enter” key will start the install process

4. Reboot

END OF PROCEDURE

To install the ODM Fibre Update Package for 5.0.1.4

NOTE: 5.0.1.4 will only apply if the base 5.0.0.1 and update 5.0.0.4 are installed.

1. Copy fileset to an AIX directory (/usr/sys/inst.images).
cp HDS_FC_ODMUPD_5.0.1.4U /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 5.0.1.4 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
 - 5.0.1.4 AIX Support for Hitachi Disk Arrays
 - Pressing the “Enter” key will start the install process
4. Reboot

END OF PROCEDURE