

PathManager 5.5 Release Notes for Concerto™ with AIX 6.1 and 7.1

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violin
MEMORY

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Introduction

These are the release notes for PathManager for Concerto 7.5.7.x/7.6.x with AIX 6.1 and 7.1. The PathManager software for this release is specific to the 7000 Series Flash Storage Platforms (FSPs) only. This release does not currently support the 7700 Flash Storage Platform.

Issues Resolved in PathManager Release 5.5

33898: Panic in `spd_select_path()` due to an overflow in the calculation of the next path.

Issues Resolved in PathManager Release 5.4

- **31424:** AIX 7.1 Volume groups with PathManager no longer accessible when PathManager failed to verify if the current AIX Volume Group is deactivated gracefully.
- **30535:** AIX 6.1 with PathManager 5.3.0.0 (Build 1038) failed to create two separate `hdiskpd` devices after exporting two LUNs from the array.

Supported Upgrade Paths

The following table identifies the supported *starting* versions for PathManager and Concerto.

PathManager software versions are available from Violin Memory Customer Support at <http://www.violin-memory.com/support/>

(Software Downloads --> Driver and Utilities --> AIX MPIO PCM Driver --> vMOS 7)

Latest AIX PathManager Version: 5.5.0.0 (Build 1001) - PathManager-5.05-1001-AIX.rte

Flash Storage Platform

Starting PathManager Version	Starting Concerto Version	Upgrade Path
5.4.0.0 (Build 1003)	7.5.7.x	Upgrade PathManager to 5.5.0.0 (Build 1001) Upgrade FSP to Concerto 7.6.x or remain at 7.5.7.x

PathManager/Concerto Upgrade Steps

1. Perform AIX PathManager upgrade procedure. (See instructions below.)
2. Perform Array Concerto upgrade procedure. (See instructions below.)

AIX PathManager Upgrade Procedure

Concerto LUNs with filesystem setup:

1. Unmount all filesystems created from Concerto LUNs on the AIX host.
2. Deactivate volume groups associated with filesystems in step 1 using the “varyoffvg” command on AIX host.
3. Issue an uninstall command “installp -u PathManager”.
4. Install new PathManager with command “installp”.

For example:

```
installp -a -d `pwd`/PathManager-5.05-1001-AIX.rte all
```

5. Issue the rescan command “cfgmgr -s”.
6. Issue the “dpcli setup” command to recreate a new configuration file and detect existing devices.
7. Issue the “dpcli status” command to check PathManager status for each devices.
8. Activate AIX volume groups associated with filesystems in step 1 with the “varyonvg” command.
9. Re-mount all filesystems created from step 1 on the AIX host.

Concerto LUNs with raw device setup:

1. Issue the uninstall command “installp -u PathManager”.
2. Install new PathManager with the “installp” command.

For example:

```
installp -a -d `pwd`/PathManager-5.05-1001-AIX.rte all
```

3. Issue the rescan command “cfgmgr -s”.
4. Issue the “dpcli setup” command to recreate a new configuration file and detect existing devices.
5. Issue the “dpcli status” command to check PathManager status for each devices.

Array Concerto Upgrade Procedure

Note: For detailed Concerto upgrade instructions, see the *700 Series Flash Storage Platform Release Notes for Concerto 7.6 and Aria 7.1.2 and Symphony 3.5*, available from [Violin Memory Customer Support](#).

Concerto LUNs with filesystem setup:

1. Unmount all filesystem created from Concerto LUNs on the AIX host.
2. Deactivate volume groups associated with filesystems in step 1 with the “varyoffvg” command on AIX host.
3. Execute the Concerto NDU script for array MG upgrade “rpm_upgrade”.

For example:

```
rpm_upgrade --rpm-path=/root/concerto-7.5.6-9011.x86_64.rpm --primary-server-password=ViolinMEM1 --secondary-server-password=ViolinMEM1
```

4. Reboot the AIX host.
5. Issue the rescan command “cfgmgr -s”.
6. Issue the “dpcli setup” command to recreate a new configuration file and detect existing devices.
7. Issue the “dpcli status” command to check PathManager status for each devices.
8. Activate AIX volume groups associated with filesystems in step 1 with the “varyonvg” command.
9. Re-mount all filesystems created from step 1 on the AIX host.

Concerto LUNs with raw device setup:

1. Execute the Concerto NDU script for array MG upgrade “rpm_upgrade”.

For example:

```
rpm_upgrade --rpm-path=/root/concerto-7.5.6-9011.x86_64.rpm --primary-server-password=ViolinMEM1 --secondary-server-password=ViolinMEM1
```

2. Reboot the AIX host.
3. Issue rescan command “cfgmgr -s”.
4. Issue the “dpcli setup” command to recreate a new configuration file and detect existing devices.
5. Issue the “dpcli status” command to check PathManager status for each devices.

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