Compaq SANworks™

Release Notes Addendum

Data Replication Manager HSG80 Array Controller ACS Version 8.5P for OpenVMS Version 7.2-1

This document summarizes features and characteristics of Compaq SANworks Data Replication Manager that are supported in Version 8.5P of the HSG80 Solution Software for the OpenVMS v7.2-1 platform kit.

These Release Notes provide information for Data Replication Manager [operating with HSG80 Array Controller Software (ACS) Version 8.5P] that is not covered elsewhere in the documentation. Individuals responsible for configuring, installing, and using the Data Replication Manager solution should use this document.

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Printed in the U.S.A.

Data Replication Manager Release Notes Addendum for OpenVMS Version 7.2-1
First Edition (April 2001)
Part Number: EK-VMSDR-AA. A01

This Release Notes Addendum summarizes revisions to the following documents:

- *Compaq SANworks Data Replication Manager HSG80 ACS Version 8.5P Operations Guide for OpenVMS Version 7.2-1*
  Part number EK-VMSDR-OA. A01
- *Compaq SANworks Data Replication Manager HSG80 ACS Version 8.5P Release Notes for OpenVMS Version 7.2-1*
  Part number EK-VMSDR-RA. A01

1. In the Operations Guide, page xvii, add the following entry to the Related Publications list:

   Compaq KGPSA-CA PCI-to-Optical Fibre Channel Host Bust Adapter User's Guide
   Part number AA-RKPDA-TE.

2. In the Operations Guide, page 2-3, replace the sections entitled "Synchronous Operations Mode" and "Asynchronous Operation Mode" with the following text:

Synchronous Operation Mode

In synchronous operation mode, data is simultaneously written to the cache of the initiator subsystem and the cache of the target subsystems. The I/O completion status is not sent to the host until all members of the remote copy set are updated. Synchronous operation ensures the highest possible level of data consistency, which makes this process especially appropriate for business applications that require a high level of currency. It also provides improved performance or throughput over asynchronous operation mode.

Synchronous is the default setting.

Asynchronous Operation Mode

In asynchronous operation mode, the write operation is reported to the host as complete *before* the data is written to the remote unit of the remote copy set. Asynchronous mode can provide improved response time, but the data on all members of the remote copy set cannot be assumed to be the same at all times.

3. In the Operations Guide, pages 1-15 and 1-16, replace Table 3-1, "Overview of Required Components," with the following text:

Additional Resources for Required Components and Software

The DRM Sizer is an automated utility that provides a complete hardware list based on information that you input about your DRM solution. Please access the Sizer at:

http://vcmproapp02.compaq.com/sizers/DRM/DRM.html

For additional information concerning the following topics, please refer to the *Compaq SANWorks Data Replication Manager HSG80 ACS Version 8.5P Release Notes for OpenVMS Version 7.2-1*:

- Patches
- Software versions
- Host bus adapter firmware and driver versions
- Fibre Channel switches and options
- Avoiding problem situations
- Platform-specific issues

4. In the Release Notes, pages 4 and 5, replace the section entitled "HBA Firmware Installation Instructions" with the following text:

HBA Firmware Installation Instructions

Follow these steps to download and revise your firmware software.

a. Load this DRM Solution CD on a PC running Microsoft Windows NT, Windows 95, Windows 98, or Windows 2000. This CD contains the Alpha Firmware Loader and the KGPSA firmware update images.

b. Under the KGPSA directory, you will see two additional directories: Lp7000 and Lp8000. To perform the upgrade, you must know which version of KGPSA you have.

c. If you are changing LP8000 to version 3.03x2, go into the LP8000 directory and copy the files `Alphdnld.exe` and `dd303x2.awc` from this DRM Solution CD to a diskette.
If you are changing LP7000 to version 3.03a1, go into the LP7000 directory and copy the files `Alphdnld.exe` and `sf303a1.awc` to a diskette.

d. After you have copied the KGPSA firmware images to a diskette, remove the diskette from the Windows workstation and install it on the Alpha System.

e. Bring down the OpenVMS operating system.

f. Run **arc** from the Alpha system console prompt.

g. At the AlphaBIOS screen, using the arrow keys, select Utilities and then select Run Maintenance Program.

h. ARC prompts you for the name of the program to be run. Enter `Alphdnld.exe` as the Alpha Loader Utility. The default location for the Alpha Loader is the A: drive. Because you copied the `Alphdnld.exe` file to the diskette, you will not have to change this. The system displays status information showing what is currently loaded. Follow any on-screen instructions.

i. After Alphdnld.exe loads, select option 5 (Maintenance), and then select option 1 (Update Firmware).

j. The ARC utility prompts you to select the adapter or range of adapters. Enter the adapter numbers, as appropriate for your configuration.

k. Enter the path and name of the firmware image. The firmware image must be on a diskette.

   - For LP8000, enter `A:\dd303x2.awc`
   - For LP7000, enter `A:\sf303a1.wc`

   Follow any on-screen instructions.

l. Type `1` to begin the download process.

m. Type `1` when prompted to reboot each host adapter.

n. Type `0` until the Main Menu reappears.

o. Type `7` to Quit.

p. After the firmware update is completed, and you have returned to the AlphaBIOS Setup screen, power-cycle your CPU to return to the system console prompt.