

StorageWorks by Compaq

Addendum - NAS Executor E7000 Support

Part Number: AA-RS2PA-TE

First Edition (May 2002)

This document describes the configuration rules for supporting the StorageWorks NAS Executor E7000 in a heterogeneous open SAN. This document is an addendum to the *Heterogeneous Open SAN Design Reference Guide*, 3rd edition (AA-RMPND-TE).

Obtain the latest version of the *Heterogeneous Open SAN Design Reference Guide* through this link:

<http://www.compaq.com/products/storageworks/san/documentation.html>

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Addendum Contents

This addendum covers the following major topics:

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- [StorageWorks NAS Executor E7000 Features](#)
- [StorageWorks NAS Executor E7000 SAN Hardware Rules](#)
- [SAN Configuration and Zoning Rules](#)
- [SAN Storage Rules](#)

Intended Audience

This document is for customers who are interested in incorporating the NAS Executor E7000 into a heterogeneous open SAN.

Overview

The new StorageWorks NAS Executor E7000 fuses NAS and SAN, thus providing customers the greatest scalability and flexibility to manage their storage resources cost effectively. This latest innovation from Compaq provides enhanced performance along with simplified, centralized storage and system management, ultimately saving customers resources, time and money, lowering their Total Cost of Ownership (TCO). The StorageWorks NAS Executor E7000 delivers the fusion of NAS and SAN in a common, networked storage pool that provides customers with the flexibility to choose file (NAS) or block (SAN)-level access to best suit the needs of their applications.

StorageWorks NAS Executor E7000 Features

- File Serving
- Multi-protocol (Windows, UNIX/Linux, NetWare, AppleTalk)
- Users, groups share creation/management
- Quotas
- Manageability
- Backup support
- Anti-virus support
- Storage virtualization
- Snapshot capabilities
- Availability
- Cluster support
- Redundant hardware components
- Data replication support
- Compaq Remote Insight Lights Out Edition (RILOE)
- Connectivity
- Featuring Compaq SAN connectivity
- 10/100 Ethernet
- Gigabit Ethernet
- Fibre Channel storage connectivity
- Services
- Installation and configuration service
- CarePAQ Priority Services supplying 24x7 support with a maximum response ranging down to 2 hours for hardware and 30 minutes for software

Refer to the *StorageWorks NAS Executor E7000 by Compaq QuickSpec* document for additional information:

http://www.compaq.com/products/quickspecs/11004_na/11004_na.html

StorageWorks NAS Executor E7000 SAN Hardware Rules

The StorageWorks NAS Executor E7000 is qualified in a heterogeneous open SAN as both a stand-alone or a clustered server with the following SAN attachment hardware:

Table 1: SAN Attachment Summary with HBA Drivers and Firmware Revisions

NAS Server Description	HBA SAN Attachment	HBA Driver/Firmware Rev. (Minimum)
StorageWorks NAS Executor E7000 Model 902, 904	KGPSA-CB 176479-B21 F-Port	Driver: v5.4.53.7 Firmware: v3.82a1 Bios: v1.60a4

The NAS Executor E7000 follows the same SAN hardware rules as any Windows 2000 hardware information found in the latest version of the *Heterogeneous Open SAN Design Reference Guide*. The guide may be obtained through this link:

<http://www.compaq.com/products/storageworks/san/documentation.html>

NOTE: Refer to the *StorageWorks NAS Executor E7000 by Compaq QuickSpec* document for the latest IP network controller hardware support:

http://www.compaq.com/products/quickspecs/11004_na/11004_na.html

SAN Configuration and Zoning Rules

The StorageWorks NAS Executor E7000 follows the same SAN configuration and zoning rules for any Fibre Channel topology created with the following Compaq Fibre Channel Switches

- Fibre Channel SAN Switch 8
- Fibre Channel SAN Switch 16
- Fibre Channel SAN Switch 8-EL
- Fibre Channel SAN Switch 16-EL
- Compaq StorageWorks SAN Switch 2/16
- Compaq StorageWorks SAN Switch Integrated /32
- Compaq StorageWorks SAN Switch Integrated /64

The details for these rules may be found in the latest version of the *Heterogeneous Open SAN Design Reference Guide*. The guide may be obtained through this link:

<http://www.compaq.com/products/storageworks/san/documentation.html>

SAN Storage Rules

The StorageWorks NAS Executor E7000 supports SAN storage using the RA8000, MA8000, ESA12000, EMA12000 and Enterprise Virtual Array Controllers. These controllers may be shared, using Selective Storage Presentation (SSP), to allow heterogeneous storage support to other operating systems.

The RA8000, MA8000, ESA12000, EMA12000 minimum software version is ACS 8.6-4.

The NAS Executor E7000 is supported on the Enterprise Virtual Array Controller version **1.02 only**.

NOTE: For more details on Enterprise Virtual Array support please refer to the *Integrating the StorageWorks NAS Executor E7000 with the Enterprise Virtual Array Controller* white paper obtained through this link:

<http://www.compaq.com/storage/whitepapers.html#nas>

The StorageWorks NAS Executor E7000 follows the same RA8000, MA8000, ESA12000, EMA12000 and Enterprise Virtual Array Controller storage rules as any Windows 2000 SAN storage information found in the latest version of the *Heterogeneous Open SAN Design Reference Guide*. The guide may be obtained through this link:

<http://www.compaq.com/products/storageworks/san/documentation.html>