

Overview

Models

Compaq ProLiant Cluster for NetWare 4.2 is a two node high availability solution utilizing Compaq servers and storage combined with Novell's NetWare 4.2 NOS and NetWare Cluster Server (NHAS) clustering software. A ProLiant Cluster for NetWare 4.2 can be implemented utilizing a wide range of ProLiant servers with Raid Array 4100 (RA4100) family fibre channel storage as well as for the SCSI based ProLiant CL380 Packaged Cluster. The ProLiant Cluster for NetWare 4.2 provides an excellent solution for a customer with a small to mid-range installation which has significant uptime requirements.

Introduction

Compaq ProLiant Cluster for NetWare 4.2 provides high availability for applications and data in business-critical Novell NetWare 4.2/4.11 environments. Versions of the Compaq ProLiant Cluster for NetWare 4.2 utilizing fiber channel storage use Compaq's industry-leading ProLiant servers, Compaq StorageWorks RA4100 family storage, fibre channel FC-AL Hubs to connect servers and storage and the Compaq Insight Manager (CIM) management utility. The SCSI based ProLiant CL380 Packaged Cluster is also supported by the ProLiant Cluster for NetWare 4.2.

The Compaq ProLiant Cluster for NetWare 4.2 uses the industry-standard Novell High Availability Server (NHAS) software with Novell NetWare 4.2 for cluster operation and failover management. Novell NetWare 4.2 and NHAS must be purchased separately from a Novell authorized reseller.

Maximum Availability, Minimum Cost

Because Compaq ProLiant Clusters are built from industry-standard components, Compaq delivers high levels of application availability at a much lower cost than traditional, proprietary cluster solutions. The Compaq ProLiant Cluster for NetWare 4.2 offers an excellent range of entry to mid-range solutions starting with the compact and cost effective ProLiant CL380 to a variety of industry-leading ProLiant servers with high performance StorageWorks fibre channel storage.

Investment Protection

Both existing and new Compaq ProLiant servers are certified for Compaq ProLiant Cluster for NetWare 4.2. This means that customers can build clusters using existing servers or by mixing old and new servers. Fibre channel storage systems supported include the Compaq Fibre Channel Storage System, the RAID Array 4000 (RA4000) and the RA4100, again, providing investment protection for customers who wish to utilize existing equipment. Two versions of the Compaq ProLiant Packaged Cluster, the ProLiant CL1850 and the new ProLiant CL380 are supported.

Integrated Solutions

All Compaq ProLiant Clusters integrate hardware and software to provide a total solution for business-critical environments. Compaq ProLiant servers, interconnect options, system management software, flexibility in configuration support, and implementation documentation have all been thoroughly tested in cluster configurations. Compaq's close relationship with application partners, and expertise with the Novell environment has resulted in the development of tools, papers and solutions, which assist in the rapid deployment of major business applications on Compaq ProLiant Clusters. For more information, visit the following web sites: <http://h71019.www7.hp.com/ActiveAnswers/Render/1,1027,1-6-100-225-1,00.htm>, and <http://h18000.www1.hp.com/partners/novell>.

NOTE: These Web sites are available in English only.

Sophisticated System Management

Compaq ProLiant Cluster for NetWare 4.2 configurations utilize Compaq SmartStart, Compaq Insight Manager, and Compaq Insight Manager XE software offerings to enable rapid installation, configuration monitor and management, as well as deployment of clustered environments throughout the enterprise.

Components

Servers A broad range of ProLiant server models are supported in the ProLiant Cluster for NetWare 4.2 configurations, in both matched-pair and mixed-pair combinations. A current list of supported servers is provided below. Updates to this list may be found at:
<http://www.compaq.com/solutions/enterprise/ha-novell-overview.html>
NOTE: This Web site is available in English only.

Supported ProLiant Servers: 1850
DL380
3000
ML530
5500
ML570
6400
DL580
6500
DL750
8500
CL1850 (Packaged Cluster)
CL380 (Packaged Cluster)

Additional information regarding ProLiant Servers may be found at:
<http://h18004.www1.hp.com/products/servers/platforms/>
Additional information regarding ProLiant Packaged Clusters may be found at:
<http://h18000.www1.hp.com/solutions/enterprise/highavailability/>
NOTE: These Web sites are available in English only.

Server to Server Interconnect Compaq strongly recommends the use of a private network connection between cluster nodes. A 12-foot Ethernet crossover cable or an extended 100-foot Ethernet cable is available to purchase for this purpose.

Storage The following storage arrays have been certified for use with the ProLiant Cluster for NetWare 4.2:
StorageWorks RA4000 RAID Array - fibre channel only
StorageWorks RA4100 RAID Array - fibre channel only
Packaged Cluster storage - based on internal CR3500 SCSI RAID Controller
Additional information regarding StorageWorks RAID Arrays may be found at:
www.compaq.com/products/storageworks/raidstoragesystems.html
NOTE: This Web site is available in English only.

Server-Storage Interconnect: Fibre Channel Arbitrated Loop Hub (7 or 12 port) for RA4000/RA4100 storage
Packaged Cluster Interconnect - internal SCSI bus
Additional information regarding Fibre Channel Hubs may be found at:
www.compaq.com/products/storageworks/hubs_bridges.html
NOTE: This Web site is available in English only.

Supported Operating Systems Novell NetWare 4.2/4.11
Most server options and the StorageWorks RA4000 options are supported in a cluster. Refer to the Compaq high availability web site at www.compaq.com/highavailability for ordering and configuration guides, release notes, and restrictions.
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Options Most server options and the StorageWorks RA4000 options are supported in a cluster. Refer to the Compaq high availability web site at www.compaq.com/highavailability for ordering and configuration guides, release notes, and restrictions.
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Components

Service and Support

Compaq servers and storage systems are protected by Compaq Services including a three-year, limited warranty, 7 x 24 hardware technical phone support and online support through CompuServe, Prodigy, America Online and the Internet. Compaq Services supporting the total solution are available, including High Availability services. Pre-Failure Warranty applies to certain hard drives, memory and processors for servers monitored by Compaq Insight Manager 2.0 or later. For more information on support offerings for your Compaq hardware, contact your Compaq Authorized Service Provider.

NOTE: Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center at 1-800-345-1518 for details.

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