NetBackup Appliance HA

Quick Reference Card – Hardware
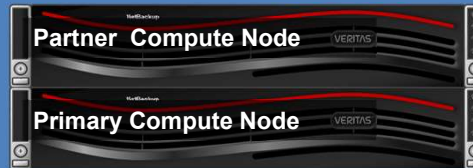
Veritas NetBackup HA Media Server Appliances

Compute Nodes

Primary and secondary nodes in a highly available configuration.

Partner Compute Node

Primary Compute Node

Partner Compute Node

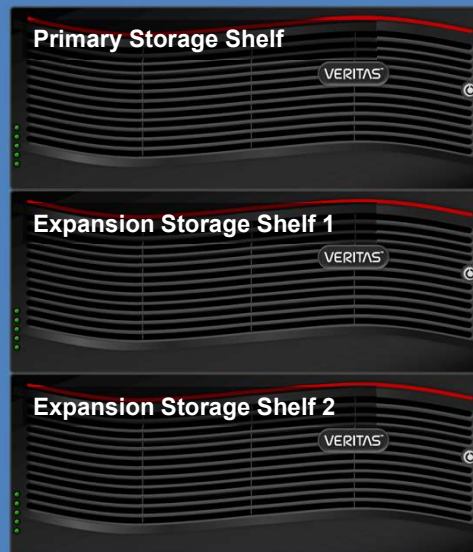Primary Compute Node

5330 HA

5340 HA

Storage Shelves

RAID 6-enabled storage shelves provide data storage and optimization services. At least one storage shelf, known as the Primary Storage Shelf, is required; up to two additional shelves can be added.

NetBackup 5330 and 5340 Appliance storage shelves provide up to 1920 TB of deduplication-enabled storage per Appliance configuration.

If an HA compute node fails, the other node handles all I/O operations.

The Appliance HA status will report as **DEGRADED** until the compute node failure is resolved.

Primary Storage Shelf

Expansion Storage Shelf 1

Expansion Storage Shelf 2

Primary Storage Shelf

Expansion Storage Shelf 1

Expansion Storage Shelf 2

Key Features
of NetBackup HA Appliances

- ✓ Fully integrated
- ✓ Purpose-built
- ✓ Powered by NetBackup
- ✓ Integrated deduplication
- ✓ Advanced VM protection
- ✓ Enterprise hardware
- ✓ Predictable performance
- ✓ Known compatibility
- ✓ 24x7 hardware monitoring
- ✓ Simplified support
- ✓ WAN optimization
- ✓ High scalability
- ✓ Simplified deployment
- ✓ Flexible management
- ✓ Built-in security features

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Starting with Appliance release version 3.1, you can deploy 5330 and 5340 Appliances for a high availability solution. A high availability configuration uses two NetBackup 5330 or 5340 compute nodes that are connected to each other, and also to specific channels on the same Primary Storage Shelf. These two compute nodes are referred to as a node and a partner node.
Traditional NetBackup (non-Appliance) master servers must be upgraded to NetBackup release version 8.1 or later. NetBackup Appliance master servers must be upgraded to Appliance release version 3.1 or later. Media server (existing NetBackup 5330): This Appliance must be upgraded to Appliance release version 3.1 or later. The NetBackup 5340 ships with the Appliance release version 3.1 pre-installed.
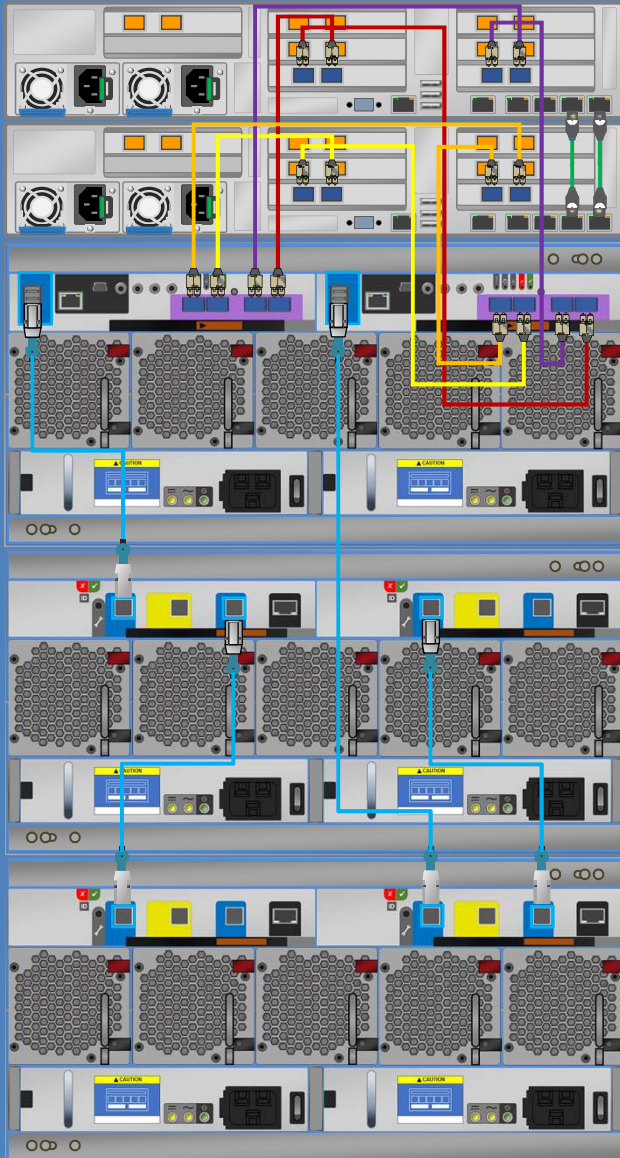
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Veritas Support Services
Last Updated – 10.01.2019

Veritas NetBackup HA Appliances

NetBackup 5340 HA

NetBackup 5330 HA

Cabling Overview

Highly Available Compute Node Interconnect
1GbE crossover cabling

Compute Node and Storage Shelf Interconnect
8GbGb FC cabling – 5330 HA
16Gb FC cabling – 5340 HA

Primary/Secondary/Tertiary Storage Shelf Interconnect
SAS-2 cabling – 5330 HA
SAS-3 cabling – 5340 HA

▬	**Ethernet Cable**
▬	**Fibre Channel Cable-1**
▬	**Fibre Channel Cable-2**
▬	**Figre Channel Cable-3**
▬	**Fibre Channel Cable-4**
▬	**SAS2 Cable**
▬	**SAS3 Cable**