

HOW TO CONFIGURE A VSAN READYNODE

Step-by-Step Guide

How to Configure a vSAN ReadyNode

This document provides step-by-step guidance on configuring a vSAN ReadyNode using the [vSAN ReadyNode Configurator](#). We highly recommend you follow these prerequisite steps before configuring your ReadyNode:

1. Perform a ReadyNode sizing exercise using the [vSAN ReadyNode Sizer](#). Outputs from this exercise will be used as inputs into the vSAN ReadyNode Configurator
2. Refer to the blog [Designing vSAN Disk groups – All Flash Cache Ratio Update](#). This blog provides guidance on how to design disk groups for all-flash and hybrid vSAN environments

Step-by-Step Guide for ReadyNode Configurator

Step 1: Select the ESXi or VMware vSAN version you plan to run in your vSAN cluster. For details on functionality included in each edition of vSAN, refer to the [Compare](#) section.

1 Select vSAN Version

vSAN 6.6 ESXi 6.5 U1	vSAN 6.6 ESXi 6.5	vSAN 6.5 ESXi 6.5	vSAN 6.2 ESXi 6.0 U2	vSAN 6.1 ESXi 6.0 U1	vSAN 6.0 ESXi 6.0	vSAN 5.5 ESXi 5.5
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Step 2: Select your platform of choice. vSAN supports a variety of [all-flash and hybrid environments](#).

2 Select Profile

ALL FLASH PLATFORM			HYBRID PLATFORM				LET US HELP
AF-4 Series	AF-6 Series	AF-8 Series	HY-2 Series	HY-4 Series	HY-6 Series	HY-8 Series	Profile Wizard

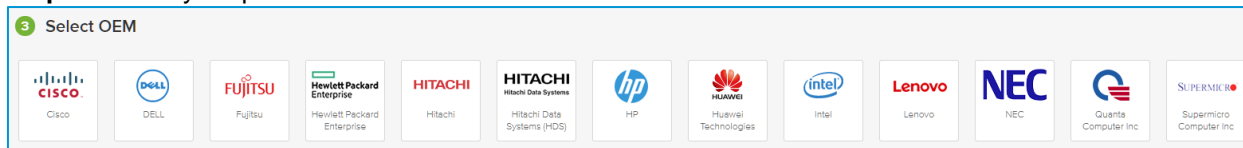
All-Flash: In an all-flash environment, both caching and capacity tiers use flash devices. Benefits include high performance and ability to take advantage of space efficiency features like deduplication, compression and erasure coding which are only available for all-flash environments.

All flash profiles include: AF-8 Series, AF-6 Series or AF-4 Series

Hybrid: In a hybrid environment, the caching tier uses flash devices, while the capacity tier uses magnetic drives.

Hybrid profiles include: HY-8 Series, HY-6 Series, HY-4 Series or HY-2 Series

To learn more about vSAN all-flash and hybrid profiles, check out the [vSAN Hardware Quick Reference Guide](#)

Step 3: Select your preferred OEM vendor.

OEMs are server vendors and you might want to select an OEM that you already utilize for your datacenter needs. With vSAN's broad range of OEM choices, you can avoid hardware lock-in and continue to work with your preferred OEM vendor for HCI.

Step 4: Select the ReadyNode model.

4 Select Model

Intel Models

	AF-6-Intel-2U4N BNP (optane+SATA)-VMD-Enabled 4 Node Configuration	AF6-Intel-WCP 1 Node Configuration
System	Buchanan Pass (w/TPM 2.0, 2x10GbE SFP+ & 2x1GbE, RDMA, 12G IT Mode Bridge Board)	Intel® Server System R2208WTTYSR
CPU	2x Intel Xeon Gold 5118 (12 Cores, 2.3Ghz, 105W)	2x Intel® Xeon E5-2600 V4(14 cores)
Memory	8x RDIMM 32GB - DDR4, 288-pin, 2666MHz	16x 16GB DDR4 RDIMM
Caching Tier	Intel NVMe 2.5*(SFF) P4800 375GB	2x Intel SSD DC P3700 Series SSDPE2MD400G4 (400 GB, 2.5-inch)
Capacity Tier	5x Intel SATA SSD 2.5*(SFF) S4500 1.92TB	8x Intel® SSD DC S3520 Series SSDSC2BB012T701 (1.2 TB, 2.5-inch)
Controller	Intel AHWPBPG24	Intel RAID Controller RS3UC080
ESXi Pre - Installed	No	No

Select Model Select Model

In this step, you can view and select among the various ReadyNode models offered by your preferred OEM. ReadyNode profiles come in 1, 3 and 4 node configurations, depending on the OEM you select, the component quantities will be for the corresponding number of nodes. To learn more about sizing and design assumptions, check out the [vSAN Hardware Quick Reference Guide](#)

Step 5: Download the Configuration PDF and contact your OEM to obtain quotes.

For additional details on what you and cannot modify in a vSAN ReadyNode BOM, refer to this official KB [What You Can \(and Cannot\) Change in a vSAN ReadyNode](#)

