

VMWARE HORIZON CLOUD  
WITH ON-PREMISES  
INFRASTRUCTURE SUPPORTED  
HARDWARE APPLIANCES

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## Supported Hardware Models for Horizon Cloud with On-Premises Infrastructure

The VMware Horizon® Cloud Service™ has a growing ecosystem of infrastructure partners.

PARTNER	MODEL
Dell	R730xd
	R730
EMC	VxRail 160 Hybrid
	VxRail 200 Hybrid
	VxRail 160 All-Flash
	VxRail 200 All-Flash
	VxRail 240 All-Flash
	VxRail 280 All-Flash
Quanta Cloud Technology (QCT) (certification pending)	QuantaGrid D51B-1U
	QuantaPlex T41S-2U (4-Node)
Hitachi Data Systems (certification pending)	V210
	V210-F

**Table 1:** Horizon Cloud with On-Premises Infrastructure Supported Hardware Models

## Minimum Requirements for Eligible Horizon Cloud with On-Premises Infrastructure Supported Hardware

This section summarizes the minimum hardware requirements and recommended configuration for eligible VMware Horizon Cloud with On-Premises Infrastructure hardware.

### Minimum Hardware Requirements

- VMware vSphere® ESXi™ 6.0U2 and later
- Shared storage, like virtual SAN
- Minimum CPU = 2x12C (either Haswell / Intel v3 or Broadwell / Intel v4)
- Minimum memory = 256 GB
- Minimum storage = 8-9 TB usable disk

Examples:

1. VMware vSAN™ Ready Nodes certified by VMware
  - a. Certified for ESXi 6.0 U2
  - b. All Flash: AF-6 Series and later\*
  - c. Hybrid: HY-8 Series and later\*
  - d. Minimum of 4 vSAN Ready Nodes of the chosen model are required

\*Base HCL vSAN Ready Node configurations may be improved with additional CPU cores, increased physical memory, larger cache disk, and/or larger or faster drives to derive an ideal price-for-performance configuration.

2. VxRail
  - a. All-Flash or Hybrid

**Note:** In cases such as a 2U / 4-node configuration, resources may be less than the recommended above (for example, number of disks due to the limited disk slot space), but the density per RU is higher due to the form factor. In other words, it may be perfectly fine to trade off some resources for greater rack density.

The approximate resources required for all Horizon Cloud with On-Premises Infrastructure management and infrastructure software is 30 GHz (18 virtual CPUs), 64 GB RAM, and 0.5 TB disk capacity. The resources required for desktop images, VMware App Volumes™ AppStacks, and App Volumes user-writable volumes will vary per install based on each individual customer's requirements.

## Hardware Details

This section details the specifications for Hitachi Data Systems and Quanta Cloud Technology (QCT) hardware.

### Hitachi Data Systems

		<b>D51B (HYBRID HIGH-CAPACITY "VALUE" HY-8) "V210"</b>	<b>D51B (HIGH-PERFORMANCE AFA AF-8) "V210-F"</b>	<b>D51B (MID-RANGE AFA AF-8) "V210-F"</b>
Processor	Intel Xeon Processor E5-2680 v3 (12C 2.5 GHz 120 W)	Maximum 2 per server	Maximum 2 per server	Maximum 2 per server
	Intel Xeon Processor E5-2650 v3 (10C 2.6 GHz 105 W)	Maximum 2 per server	Maximum 2 per node	Maximum 2 per node
	Intel Xeon Processor E5-2620 v3 (6C 2.4 GHz 85 W)	Maximum 2 per server	Maximum 2 per node	Maximum 2 per node
Memory	16 GB	384 GB	384 GB	384 GB
	32 GB	768 GB	768 GB	768 GB
OS Storage	SATADOM	64 GB SATADOM	64 GB SATADOM	64 GB SATADOM
Cache	400 GB / 800 GB SATA SSD / 2 TB NVMe (10% of storage tier)	2 x 1.2 TB SATA SSD	2 x 1.2 TB NVMe SSD	2 x 600 GB SATA SSD
Storage	10K SFF 1.2 TB			
	7.2K LFF	48 TB (4 TB x 12): ST4000NM0025 MakaraBP 4 TB 512NL- SAS		
	SSD		46.08 TB Samsung PM863	23.04 TB
Network	10GigE SFP+	PCI card	PCI card	PCI card
	10GigE Base-T (RJ45)	PCI card	PCI card	PCI card
	Mellanox ConnectX-3 EN 10/30/56GbE dual port (OCP) mezzanine card			
Controller	Storage	3108 RAID	3108 RAID	3108 RAID
LOM	Dual Port 10GigE Base -T (RJ45)	Not supported	Not supported	Not supported

**Table 2:** Hitachi Data Systems Hardware Specifications

### Quanta Cloud Technology (QCT)

Table 3 details the specifications for the QuantaGrid D51B-1U model.

	DESCRIPTION	QUANTITY
CPU	E5-2600 v4 Series	2
Memory	16/32 GB 2133 DDR4	24
HDD	SAS 1.2 TB, 2.5", 10k RPM	8
SSD	SATA, 800 GB, 2.5"	2

**Table 3:** QCT D51B-1U Specifications

Table 4 details the specifications for the QuantaPlex T41S-2U model.

	DESCRIPTION	QUANTITY PER NODE (2U4N PER SERVER)
CPU	E5-2600 v4 Series	2
Memory	16/32 GB 2133 DDR4	16
HDD	SAS 1.2 TB, 2.5", 10k RPM	5
SSD	SATA, 800 GB, 2.5"	1

**Table 4:** QCT T41S-2U Specifications



VMware, Inc. 3401 Hillview Avenue Palo Alto CA 94304 USA Tel 877-486-9273 Fax 650-427-5001 [www.vmware.com](http://www.vmware.com)

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