

## Hitachi Integrated Systems Platform v2.1 Release Notes

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# Release Notes

This document (RN-25HIS000-02, January 2026) provides late-breaking information about Hitachi Integrated Systems platform version 2.1. It includes information that was not available at the time the technical documentation for this product was published.

## About this release

This Hitachi Integrated Systems platform 2.1 release includes the following new features and combines compute, network, and storage components:

- Introducing a new range of servers in the portfolio: Hitachi Advanced Server DS120 G6 and Hitachi Advanced Server DS220 G6.
- Introducing the new Brocade G820 fabric switch.

## Intended audience

This document is intended for customers and Hitachi Vantara partners who license and use the Hitachi Integrated Systems platform with Hitachi Advanced Server HA800 G6 series and Hitachi Advanced Server DSx20 G6 servers.

## Getting help

The [Hitachi Vantara Support Website](#) is the destination for technical support of products and solutions sold by Hitachi Vantara. To contact technical support, log on to the Hitachi Vantara Support Website. For additional contact methods, go to <https://support.hitachivantara.com/en/contact-support.html>.

[Hitachi Vantara Community](#) is a global online community for Hitachi Vantara customers, partners, independent software vendors, employees, and prospects. It is the destination to get answers, discover insights, and make connections. **Join the conversation today!** Go to [community.hitachivantara.com](https://community.hitachivantara.com), register, and complete your profile.

## Supported system configuration

Parameter	Specification
Compute Nodes	(Min., Max.) 1 to 128 workload nodes/system
Compute Racks	1 to 4
Node-Scale Increment	1
Management Nodes	HA810 G3, HA815 G3, HA810 G6, and DS120 G6 Node count: 0, 2 to 8
Workload Node Types	HA810 G3 (1U/2 sockets) HA820 G3 (2U/2 sockets) HA840 G3 (2U/4 sockets) HA805 G3 (1U/1 socket) HA815 G3 (1U/2 sockets) HA825 G3 (2U/2 sockets) HA810 G6 (1U/2 sockets) HA820 G6 (2U/2 sockets) DS120 G6 (1U/2 sockets) DS220 G6 (2U/2 sockets)
Network	Cisco Ethernet networking switches <ul style="list-style-type: none"> <li>▪ Architecture: leaf/spine with management network</li> <li>▪ Bandwidth: 10/25G topology, 100G topology (leaf/ spine)</li> <li>▪ Models: Cisco C92348GC-FX3, C93180YC-FX3, C93600CD-GX, C9316D-GX</li> </ul> Broadcom Fibre Channel SAN switches <ul style="list-style-type: none"> <li>▪ Bandwidth: 32 Gbps, 64 Gbps</li> <li>▪ Model: Brocade G720</li> <li>▪ Model: Brocade G820</li> </ul>
Storage Options	Hitachi VSP Storage 5600/5200 and VSP E1090, VSP One (Block 24, 26 and 28), and internal server storage

Either of the following hardware requirements must be met for Hitachi Integrated Systems to function efficiently in a fully deployed and configured infrastructure:

- Hitachi Advanced Server HA8x0 G3 series servers
- Hitachi Advanced Server HA8x5 G3 series servers
- Hitachi Advanced Server HA8x0 G6 series servers
- Hitachi Advanced Server DSx20 G6 series servers

## Supported leaf/spine combinations

Hitachi Integrated Systems 2.1 supports the switch combinations listed in the following table.

Serial Number	Management	Leaf	Spine
1	Cisco Nexus 92348CG-X	Cisco Nexus 93180YC-FX3 (10/25G)	Cisco Nexus 93600CD-GX (100G)
2	Cisco Nexus 92348CG	Cisco Nexus 93600CD-GX (100G)	Cisco Nexus 9316D-GX (400G)
3	Cisco Nexus 92348CG-X	Cisco Nexus 9336C-FX2 (25/100G)	Cisco Nexus 93600CD-GX (100G)
4	Cisco Nexus 92348GC-FX3	Cisco Nexus 93180YC-FX3 (10/25G)	Cisco Nexus 93600CD-GX (100G)
5	Cisco Nexus 92348GC-FX3	Cisco Nexus 93600CD-GX (100G)	Cisco Nexus 9316D-GX (400G)

## Supported I/O cards

Hitachi Integrated Systems 2.1 supports I/O cards in Hitachi Advanced Server HA800 G3 series, Hitachi Advanced Server HA8x5 G3 series, Hitachi Advanced Server HA800 series, and Hitachi Advanced Server DSx20 series.

### Supported I/O cards on Hitachi Advanced Server HA8x0 G3 series servers

Hitachi Advanced Server HA8x0 G3 series servers support the I/O cards listed in the following table.

For detailed information about the listed I/O cards, see the Product Compatibility Guide for your Hitachi Advanced Server at: <http://compatibility.hitachivantara.com>.

Type	Name
PCI NIC	INT I350 1 GbE, 4p, BASE-T PCIe Adptr
PCI NIC	INT E810 10/25 GbE, 2p, SFP28 PCIe Adptr
PCI NIC	INT E810 10/25 GbE, 4p, SFP28 PCIe Adptr
PCI NIC	INT E810 100 GbE, 2p, QSFP28 PCIe Adptr
PCI NIC	MLXMCX623106AS 100 GbE, 2p, QSFP56 Adptr
PCI NIC	BCM57412 10 GbE 2p SFP+ Adptr
OCP NIC	INT I350 1 GbE, 4p, BASE-T OCP3 Adptr
OCP NIC	INT E810 10/25 GbE, 2p, SFP28 OCP3
OCP NIC	MLXMCX562A 10/25 GbE, 2p, SFP28 OCP3 Adptr
OCP NIC	BCM 57412 10 GbE 2p SFP+ OCP3
OCP NIC	BCM 57504 10/25 GbE 4p SFP28 OCP3
HBA	HPE SN1200E 16 Gb 2p FC HBA
HBA	HPE SN1610E 32 Gb 2p FC HBA
HBA	HPE SN1610Q 32 Gb 1p FC HBA
HBA	HPE SN1610Q 32 Gb 2p FC HBA
HBA	HPE SN1700E 64 Gb 2p FC HBA
HBA	HPE SN1700E 64Gb 1p FC HBA
HBA	HPE SN1600E 32 Gb 1p FC HBA
Boot	NS204i-u



**Note:** The I/O cards for the Hitachi Advanced Server HA8x0 G3 series servers are upgraded to the firmware versions available in SPV 7.43.

### Supported I/O cards on HA8x5 G3 series servers

Hitachi Advanced Server HA8x5 G3 series servers support the I/O cards listed in the following table.

For detailed information about the listed I/O cards, see the Product Compatibility Guide for your Hitachi Advanced Server at: <http://compatibility.hitachivantara.com>.

Type	Name
PCI NIC	INT I350 1 GbE, 4p, BASE-T PCIe Adptr
PCI NIC	INT E810 10/25 GbE, 2p, SFP28 PCIe Adptr
PCI NIC	INT E810 10/25 GbE, 4p, SFP28 PCIe Adptr
PCI NIC	MLXMCX623106AS 100 GbE, 2p, QSFP 56 Adptr
PCI NIC	BCM 57412 10 GbE 2p SFP+ Adptr
OCP NIC	INT I350 1 GbE, 4p, BASE-T OCP3 Adptr
OCP NIC	INT E810 10/25 GbE, 2p, SFP28 OCP3
OCP NIC	INT E810 100 GbE 2p QSFP28 OCP3 Adptr
OCP NIC	MLXMCX562A 10/25 GbE, 2p, SFP28 OCP3 Adptr
OCP NIC	BCM57412 10 GbE 2p SFP+ OCP3
OCP NIC	BCM 57504 10/25 GbE 4p SFP28 OCP3
OCP NIC	BCM 57416 10 GbE 2p Base-T OCP3



**Note:** The I/O cards for the Hitachi Advanced Server HA8x5 G3 series servers are upgraded to the firmware versions available in SPV 7.43.

### Supported I/O cards on Hitachi Advanced Server HA8x0 G6 series servers

Hitachi Advanced Server HA8x0 G6 series servers support the I/O cards listed in the following table.

For detailed information about the listed I/O cards, see the Product Compatibility Guide for your Hitachi Advanced Server at: <http://compatibility.hitachivantara.com>.

Type	Name
PCI NIC	BCM 5719 1 Gb 4p BASE-T Adptr
PCI NIC	BCM 57416 10 GbE 2p BASE-T Adptr
PCI NIC	BCM 57412 10 GbE 2p SFP+ Adptr
PCI NIC	INT E810 10/25 GbE 2p SFP28 Adptr
PCI NIC	BCM 57414 10/25 GbE 2p SFP28 Adptr
PCI NIC	MLX MCX631102 10/25 GbE 2p SFP28 Adptr
PCI NIC	BCM 57504 10/25 GbE 4p SFP28 Adptr

Type	Name
PCI NIC	INT E810 10/25 GbE 4p SFP28 Adptr
PCI NIC	BCM 57608 100 GbE 2p QSFP112 Adptr
PCI NIC	IB NDR 400 Gb 1p OSFP MCX75310AAS Adptr
PCI NIC	HPE IB NDR200/EN 200 G 1p OSFP Adptr
OCP NIC	BCM 5719 1 Gb 4p BASE-T OCP Adptr
OCP NIC	BCM 57416 10 GbE 2p BASE-T OCP3 Adptr
OCP NIC	BCM 57412 10 GbE 2p SFP+ OCP3 Adptr
OCP NIC	BCM 57414 10/25 GbE 2p SFP28 OCP3 Adptr
OCP NIC	MLX MCX6314 10/25 GbE 2p SFP28 OCP3 Adptr
OCP NIC	INT E810 10/25 GbE 2p SFP28 OCP3 Adptr
OCP NIC	BCM 57504 10/25 GbE 4p SFP28 OCP3 Adptr
HBA	HPE SN1620E 2p FC Secure HBA
Boot	NS204i-u



**Note:** The I/O cards for the Hitachi Advanced Server HA8x0 G6 series servers are upgraded to the firmware versions available in SPV 12.01.

### Supported I/O cards on Hitachi Advanced Server DSx20 G6 series servers

Hitachi Advanced Server DSx20 G6 series servers support the I/O cards listed in the following table.

For detailed information about the listed I/O cards, see the Product Compatibility Guide for your Hitachi Advanced Server at: <http://compatibility.hitachivantara.com>.

Type	Name
OCP NIC	AIOM 2-port 10GBase-T, Intel X550, RoHS (AOC-ATG-I2TM)
OCP NIC	AIOM 2-port 25GbE SFP28, Mellanox CX-6 LX (AOC-A25G-M2SM)
PCI NIC	ConnectX-4 Lx EN dual-port 25Gbps NIC; Dual SFP28 connectors (AOC-S25G-m2S)
PCI NIC	ConnectX-7 VPI NIC; NDR200 IB /200 GbE; single-port OSFP; PCIe5.0 x16; (MCX75310AAS-HEA) (AOC-CX7660030-ST0)
PCI NIC	ConnectX-7 EN NIC; 400 GbE; single-port QSFP; PCIe5.0 x16; (MCX715105AS-WEA) (AOC-CX7AH0039-STZ)

Type	Name
PCI NIC	ConnectX-7 VPI NIC; NDR200/HDR IB/200 GbE; dual-port QSFP; PCIe 5.0 x16; (MCX755106AS-HEA) (AOC-CX7AH0078-DTZ)
HBA	Emulex LPe35002
Boot	Samsung MZ1L2960HCJR-00A07

## Supported GPU cards

Hitachi Advanced Server models support the GPU cards listed in the following table:

Server Model	Card Name
Hitachi Advanced Server HA810 G3	NVIDIA Tesla A2 - NVIDIA Virtual GPU Software for vSphere
Hitachi Advanced Server HA810 G3	NVIDIA L4 - NVIDIA Virtual GPU Software for vSphere
Hitachi Advanced Server HA820 G3	NVIDIA Tesla A16 - NVIDIA Virtual GPU Software for vSphere
Hitachi Advanced Server HA820 G3	NVIDIA Tesla A100-80G - NVIDIA Virtual GPU Software for vSphere
Hitachi Advanced Server HA820 G3	NVIDIA L4 - NVIDIA Virtual GPU Software for vSphere
Hitachi Advanced Server HA820 G3	NVIDIA L40 - NVIDIA Virtual GPU Software for vSphere
Hitachi Advanced Server HA820 G3	NVIDIA L40S - NVIDIA Virtual GPU Software for vSphere
Hitachi Advanced Server HA820 G3	NVIDIA H100 - NVIDIA Virtual GPU Software for vSphere
Hitachi Advanced Server HA820 G3	NVIDIA H100 NVL - NVIDIA Virtual GPU Software for vSphere
Hitachi Advanced Server HA805 G3	NVIDIA A2 - NVIDIA Virtual GPU Software for vSphere
Hitachi Advanced Server HA810 G6	NVIDIA Tesla L4 - NVIDIA Virtual GPU Software for vSphere

Server Model	Card Name
Hitachi Advanced Server HA820 G6	NVIDIA L4 - NVIDIA Virtual GPU Software for vSphere
Hitachi Advanced Server HA820 G6	NVIDIA L40S - NVIDIA Virtual GPU Software for vSphere
Hitachi Advanced Server DS120 G6	No GPU Support
Hitachi Advanced Server DS220 G6	No GPU Support

## Supported software

The HA8x0/HA8x5 G3 servers support a broad range of software, including VMware Cloud Foundation (VCF), vSphere, Windows Server, Red Hat Enterprise Linux (RHEL), and certified configurations for SUSE Linux Enterprise Server (SLES). These certifications ensure optimal performance and reliability across various environments.

For a complete list of supported OS versions and configurations, see the Product Compatibility Guide at <http://compatibility.hitachivantara.com>.

## Documentation

See the following resources for Hitachi Integrated Systems:

- Hitachi Vantara Product Compatibility Guide at <http://compatibility.hitachivantara.com>
- Hitachi Integrated Systems reference architecture guide at [Hitachi Integrated Systems Platform for Virtualization and Bare Metal Reference Architecture Guide • Viewer • Hitachi Vantara Documentation Portal](#)

## Known issues

The following advisories highlight known issues for SPV7.43 and SPV6.94. Note that references to SPH on the website correspond to SPV.

- SPV 7.43 Advisory details are available at: [\[Advisory\] Hitachi Service Pack for HA8000V \(SPH\) Version 7.43](#)
- SPV 6.94 Advisory details are available at: [\[Advisory\] Service Pack for HA8000V \(SPH\) Version 6.94 Availability: Hitachi](#)

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