



VSP 5X00, G1x00, F1500, E990, Gx00, Fx00, VSP, HUS VM, HUS 1x0 series

Note: Configurations added since the last matrix will be shown in red text.

Introduction

Use this interoperability matrix to check whether a proposed customer configuration is supported. Hitachi Block Storage Driver for OpenStack (HBSD) is a driver for Cinder, which is a block storage management component, in OpenStack environments. HBSD allows you to use high-performance and high-reliability Hitachi storage functions for back-end storage managed by Cinder

Please refer to other relevant OS support matrices for details on storage, switch and HBA interoperability.

If a combination does not appear on the OS support matrix, the customer's Hitachi Data Systems Sales Engineer (SE) or other HDS field service employee must submit an Interoperability Support Request in order to gain support for the new configuration.

Note that in some cases a component OS, driver, firmware version may no longer be supported (end of service life, EOSL) in which case the customer should choose components that are already supported from the matrix. Click on a tab to view associated components.

Gx00 refers to : G800, G600, G400 and G200

Fx00 refers to : F800, F600, F400 and F200

Gx000 refers to : G1500 and G1000

Nx00 refers to: VSP N800,N600,N400

5x00 refers to: 5500,5500H,5100,5100H

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Support for HBSD : Hitachi Block Storage Driver for Openstack / Driver for Cinder
VSP G1x00 F1500 VSP 5x00 E990 Gxx0 Fxx0 Nx00 VSP HUS VM HUS 100 series

OpenStack Release	OpenStack Vendor Distribution	Supported OS		HBSD Version	Hitachi Vantara Storage													Notes		
		Major Version	Minor Version		HUS 1x0	HUS VM	VSP	VSP G1000	VSP G200,G400,G600	VSP F400,F600,F800	VSP G1500	VSP F1500	VSP G350,G370,G700,G900	VSP F350,F370,F700,F900	VSP N400,N600,N800	VSP S100,S500,S100H,S500H	VSP E990			
Juno	RH OSP 6	RHEL 7	RHEL 7.0 and above	v1.3.0, v1.4.0	FC, iSCSI	FC	FC, FCoE	FC, FCoE	FC, iSCSI	-	-	-	-	-	-	-	-	-	-	VSP G800 is not supported for HBSD v1.3.0.
	SUSE Cloud 5	SLES 11	SP3	v1.4.0	FC, iSCSI	FC	FC, FCoE	FC, FCoE	FC, iSCSI	-	-	-	-	-	-	-	-	-	-	
Kilo	RH OSP 7	RHEL 7	RHEL 7.1 and above	v1.3.0, v1.4.0, v1.4.11	FC, iSCSI	FC	FC, FCoE	FC, FCoE	FC, iSCSI	-	-	-	-	-	-	-	-	-	-	VSP G800 is not supported for HBSD v1.3.0.
	SUSE Cloud 6	SLES 12	SP1	v1.3.0, v1.4.0, v1.5.2, v1.5.3	-	FC	FC, FCoE	FC, FCoE	FC, iSCSI	FC, iSCSI	-	-	-	-	-	-	-	-	-	
Liberty	Mirantis OpenStack 8	Ubuntu 14.04 LTS	n/a	v1.5.3	-	FC	FC, FCoE	FC, FCoE	FC, iSCSI	FC, iSCSI	-	-	-	-	-	-	-	-	-	
	Ubuntu OpenStack Liberty	Ubuntu 14.04 LTS	n/a	v1.5.0, v1.5.1, v1.5.2, v1.5.3	-	-	FC, FCoE	FC, FCoE	FC, iSCSI	FC, iSCSI	-	-	-	-	-	-	-	-	-	
	RH OSP 8	RHEL 7	RHEL 7.1 and above	v1.5.0, v1.5.1, v1.5.2, v1.5.3	-	FC	FC, FCoE	FC, FCoE	FC, iSCSI	FC, iSCSI	FC, FCoE	FC, FCoE	-	-	-	-	-	-	-	
Mitaka	Mirantis OpenStack 9	Ubuntu 14.04 LTS	n/a	v2.1.0	-	FC	FC, FCoE	FC, FCoE	FC, iSCSI	FC, iSCSI	FC, FCoE	FC, FCoE	-	-	-	-	-	-	-	
	Ubuntu OpenStack Mitaka	Ubuntu 14.04 LTS	n/a	v2.1.0	-	FC	FC, FCoE	FC, FCoE	FC, iSCSI	FC, iSCSI	FC, FCoE	FC, FCoE	-	-	-	-	-	-	-	
	RH OSP 9	RHEL 7	RHEL 7.2 and above	v2.1.0	-	FC	FC, FCoE	FC, FCoE	FC, iSCSI	FC, iSCSI	FC, FCoE	FC, FCoE	-	-	-	-	-	-	-	
Newton	RH OSP 10	RHEL 7	RHEL 7.3 and above	v3.1.0, 3.1.2, 3.2.0, 3.2.1	-	FC	FC, FCoE	FC, FCoE	FC, iSCSI	FC, iSCSI	FC, FCoE	FC, FCoE	-	-	-	-	-	-	-	
Ocata	Ubuntu OpenStack Ocata	Ubuntu 16.04 LTS	n/a	v4.0.0	-	-	-	FC, FCoE	FC, iSCSI	FC, iSCSI	FC, FCoE	FC, FCoE	-	-	-	-	-	-	-	
	RH OSP11	RHEL 7	RHEL 7.3 and above	v4.0.0	-	-	-	FC, FCoE	FC, iSCSI	FC, iSCSI	FC, FCoE	FC, FCoE	-	-	-	-	-	-	-	
Pike	RH OSP12	RHEL 7	RHEL 7.4 and above	v5.1.0	-	-	-	FC, FCoE, iSCSI	FC, iSCSI	FC, iSCSI	FC, FCoE, iSCSI	FC, FCoE, iSCSI	FC, iSCSI	FC, iSCSI	-	-	-	-	-	
Queens	RH OSP13	RHEL 7	RHEL 7.5 and above	v6.1.0, v6.2.0, v6.2.1	-	-	-	FC, FCoE, iSCSI	FC, iSCSI	FC, iSCSI	FC, FCoE, iSCSI	FC, FCoE, iSCSI	FC, iSCSI	FC, iSCSI	-	-	-	-	-	
				v6.3.0	-	-	-	FC, FCoE, iSCSI	FC, iSCSI	FC, iSCSI	FC, FCoE, iSCSI	FC, FCoE, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	
				v7.0.0	-	-	-	FC, FCoE, iSCSI	FC, iSCSI	FC, iSCSI	FC, FCoE, iSCSI	FC, FCoE, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI
Rocky	RH OSP14	RHEL 7	RHEL 7.6 and above	v7.0.0	-	-	-	FC, FCoE, iSCSI	FC, iSCSI	FC, iSCSI	FC, FCoE, iSCSI	FC, FCoE, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	
Stein	RH OSP15	RHEL 8	RHEL 8.0 and above	v8.1.1	-	-	-	FC, FCoE, iSCSI	FC, iSCSI	FC, iSCSI	FC, FCoE, iSCSI	FC, FCoE, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	FC, iSCSI	

For PowerVC refer to the IBM's support site by clicking on the link below:

OpenStack Release	OpenStack Vendor Distribution	Link
Mitaka	IBM PowerVC v1.3.1	https://www.ibm.com/support/knowledgecenter/en/SSVK2N_1.3.1/com.ibm.powervc.handbook.help.doc/powervc_storage_hitachi.html
Newton	IBM PowerVC v1.3.2	https://www.ibm.com/support/knowledgecenter/en/SSVSPA_1.3.2/com.ibm.powervc.cloud.help.doc/powervc_storage_hitachi_cloud.html
Ocata	IBM PowerVC v1.3.3	https://www.ibm.com/support/knowledgecenter/en/SSVSPA_1.3.3/com.ibm.powervc.cloud.help.doc/powervc_storage_hitachi_cloud.html
Pike	IBM PowerVC v1.4.0	https://www.ibm.com/support/knowledgecenter/en/SSVSPA_1.4.0/com.ibm.powervc.cloud.help.doc/powervc_storage_hitachi_cloud.html
Queens	IBM PowerVC v1.4.1	https://www.ibm.com/support/knowledgecenter/en/SSVSPA_1.4.1/com.ibm.powervc.cloud.help.doc/powervc_storage_hitachi_cloud.html
	IBM PowerVC v1.4.2	https://www.ibm.com/support/knowledgecenter/en/SSVSPA_1.4.2/com.ibm.powervc.cloud.help.doc/powervc_storage_hitachi_cloud.html
	IBM PowerVC v1.4.2 Fix Pack 1	https://www.ibm.com/support/knowledgecenter/en/SSVSPA_1.4.2/com.ibm.powervc.cloud.help.doc/powervc_storage_hitachi_cloud.html
Stein	IBM PowerVC v1.4.3	https://www.ibm.com/support/knowledgecenter/en/SSVSPA_1.4.3/com.ibm.powervc.cloud.help.doc/powervc_storage_hitachi_cloud.html

For the dependency on CNA, HBA and iSCSI cards, refer to the OS support matrix.

Hitachi Interoperability Reports

https://support.hitachivantara.com/en_us/interoperability.html