



## VMWare Support Matrix

### Hitachi Unified Storage 100 Family

**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. Each tab contains a set of components that together comprise a Hitachi Vantara supported solution. This includes operating system (OS) and maintenance release, host bus adapter (HBA), HBA driver, and storage area network (SAN) switches, both Fibre channel (FC) and Fibre channel over Ethernet (FCoE).

In the sample datapath below, a customer configuration is supported if that particular HBA and driver, switch and switch firmware combinations both appear on the Windows Server 2012 R2 support matrix.

**For example:** Windows Server 2012 R2 host that has an Emulex LPe12000/12002 HBA using driver v2.76.002.001 connected to a Brocade DCX SAN switch with FOS v7.2.1 installed.

If a combination does not appear on the OS support matrix, the customer's Hitachi Vantara Sales Engineer (SE) or other Hitachi 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 (HBA, driver, switch, switch 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.

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## HUS 110 130 150 support for VMWare ESXi 6.5 (X64)

| <b>FC Storage Interface</b>  |                                  |  |       |
|--|----------------------------------|--|-------|
| <b>Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)</b> |                                  |  |       |
| Manufacturer   | Models                           | Driver Versions  | Notes |
| Emulex   | LPe12000, LPe12002, LPe1205      | Bundled  |       |
|  | LPe35000, LPe35002               | v12.0.257.5  |       |
| <b>FC Switches</b>   |                                  |  |       |
| Manufacturer   | Models                           | Firmware Versions  | Notes |
| Brocade  | 300, 7800                        | v7.4.2d - <b>v7.4.2g</b>   |       |
|  | 6505, 6510, 6520, 7840, DCX 8510 | v7.4.2d - <b>v7.4.2g</b> , v8.1.2a - v8.1.2b, v8.1.2d, v8.1.2f - v8.1.2k |       |
| Cisco  | 9506 (8Gb), 9513 (8Gb)           | v6.2(17) - v6.2(31)  |       |
|  | 9250i                            | v6.2(17) - v6.2(31), v7.3(0)D1(1) - v7.3(1)D1(1)                         |       |
|  | 9396S                            | v6.2(17) - v6.2(31), v7.3(0)D1(1) - v7.3(1)D1(1)                         |       |
|  | 9710                             | v6.2(17) - v6.2(31)  |       |
|  | 9718                             | v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1)                                |       |

## ISCSI Storage Interface

### ISCSI Adapters

| Manufacturer | Models                | Driver Versions | Notes |
|--------------|-----------------------|-----------------|-------|
| Any          | Generic 10GigE Switch | Any 10GigE FW   |       |
| QLogic       | QLE8360, QLE8362      | v644.6.06.0     |       |

### ISCSI Switches

| Manufacturer | Models                | Firmware Versions | Notes |
|--------------|-----------------------|-------------------|-------|
| Any          | Generic 10GigE Switch | Any 10GigE FW     |       |

## HUS 110 130 150 support for VMWare ESXi 6.0, UP1, UP2, UP3 (X64)

**NOTE: VMware 6.0 General support ended 3/12/2020. Extended support ends 2/12/2022.**

| <b>FC Storage Interface</b>  |  |   |  |
|--|--|---|--|
| <b>Host Bus Adapters (FC-HBA)/Converged Network Adapters (CNA)</b> |  |   |  |
| Manufacturer   | Models   | Driver Versions   | Notes  |
| Cisco  | UCS 1225, 1225T, 1227, 1240, 1280, 1285          | v1.6.0.12b<br>v1.6.0.17a<br>v1.6.0.25<br>v1.6.0.28<br>v2.4.0.13 | Must connect to a Cisco UCS top of rack interconnect switch. |
|  | UCS 1340, 1380                                   | v1.6.0.17a<br>v1.6.0.25<br>v1.6.0.34<br>v1.6.0.36<br>v2.4.0.13  | Must connect to a Cisco UCS top of rack interconnect switch. |
|  | UCS M81KR  | v1.6.0.17a<br>v1.6.0.28   | Must connect to a Cisco UCS top of rack interconnect switch. |
| Emulex   | LPe12000, LPe12002, LPe1205                      | Bundled   |  |
|  | LPe16000, LPe16002, LPe16002B                    | Bundled<br>v10.2.455.0  |  |
|  | LPe31000, LPe31002, LPe31004, LPe32000, LPe32002 | v11.0.237.0   |  |
|  | OCe10102   | Bundled   |  |
|  | OCe11102   | Bundled<br>v11.0.237.0  |  |
| QLogic   | QLE2560, QLE2562                                 | Bundled   |  |
|  | QLE2660, QLE2662, QLE2670, QLE2672               | Bundled   |  |
|  | QLE2690, QLE2692                                 | Bundled   |  |
|  | QLE2740, QLE2742, QLE2764                        | v2.1.41.0   |  |
|  | QLE8260, QLE8262                                 | Bundled   |  |
|  | QLE8360, QLE8362                                 | Bundled   |  |
| <b>FC Switches</b>   |  |   |  |
| Manufacturer   | Models   | Firmware Versions   | Notes  |
| Brocade  | 300, 7800  | v7.4.2d - v7.4.2g   |  |
|  | 6505, 6510, 6520, 7840, DCX 8510                 | v7.4.2d - v7.4.2g   |  |
| Cisco  | 9506 (8Gb), 9513 (8Gb)                           | v6.2(17) - v6.2(31)   |  |
|  | 9250i  | v6.2(17) - v6.2(31), v7.3(0)D1(1) - v7.3(1)D1(1)                |  |
|  | 9396S  | v6.2(17) - v6.2(31), v7.3(0)D1(1) - v7.3(1)D1(1)                |  |
|  | 9710   | v6.2(17) - v6.2(31)   |  |
|  | 9718   | v7.3(0)D1(1) - v7.3(1)D1(1), v7.3(0)DY(1)                       |  |
| <b>FCOE Switches (FCF mode)</b>                                    |  |   |  |
| Manufacturer   | Models   | Firmware Versions   | Notes  |
| Any  | Generic DCB IP Switch                            | Any DCB 10GigE FW   |  |
| Cisco  | Nexus 5672up, 5672up-16G, 5672up-2248pq          | v7.3(0)N1(1) - v7.3(1)N1(1)                                     |  |
|  | UCS 6120XP, 6140XP, 6248up, 6296up               | v2.2(3a) - v2.2(4c), v2.2(6c) - v2.2(8g), v3.1(1e) - v3.1(1l)   |  |
|  | UCS 6324   | v3.0(2c) - v3.0(2d), v3.1(1e) - v3.1(1l)                        | Cisco UCS Mini only  |

| <b>ISCSI Storage Interface</b> |                       |                          |              |
|--------------------------------|-----------------------|--------------------------|--------------|
| <b>ISCSI Adapters</b>          |                       |                          |              |
| <b>Manufacturer</b>            | <b>Models</b>         | <b>Driver Versions</b>   | <b>Notes</b> |
| Any                            | Generic 10GigE Switch | Any 10GigE FW            |              |
| <b>ISCSI Switches</b>          |                       |                          |              |
| <b>Manufacturer</b>            | <b>Models</b>         | <b>Firmware Versions</b> | <b>Notes</b> |
| Any                            | Generic 10GigE Switch | Any 10GigE FW            |              |