

Xsigo Certified Compatible Solutions

Hardware and software proven compatible with Xsigo virtual I/O.

Contents:

Servers

Storage Systems and Software

Ethernet Switches and Adapter Cards

InfiniBand Switches and Adapter Cards

Operating Systems and Hypervisors

Servers

AMD Tyan S2895

Dell RackServers

Dell 840
Dell 850
Dell T105
Dell 1350
Dell 1950
Dell 2850
Dell 2900 (Xeon)
Dell 2950
Dell 2970
Dell 1850
Dell PowerEdge R610
Dell PowerEdge R710
Dell PowerEdge R805
Dell PowerEdge R810
Dell PowerEdge R815
Dell PowerEdge R900
Dell PowerEdge R905
Dell PowerEdge R910

Dell PowerEdge C-Class Rack Servers

Dell PowerEdge C1100
Dell PowerEdge C2100
Dell PowerEdge C6100

Dell PowerEdge M1000e Blade Chassis with the following Server Blades

Dell M605
Dell M610
Dell M710
Dell M805
Dell M905
Dell M910

Hewlett Packard DL140 G3
Hewlett Packard DL160 G6
Hewlett Packard DL165 G6
Hewlett Packard DL180 G6

Hewlett Packard DL320 G3
Hewlett Packard DL320 G6
Hewlett Packard DL360 G2
Hewlett Packard DL360 G4
Hewlett Packard DL360 G5
Hewlett Packard DL360 G6
Hewlett Packard DL360 G7
Hewlett Packard DL370 G6
Hewlett Packard DL380 G2
Hewlett Packard DL380 G3
Hewlett Packard DL380 G4
Hewlett Packard DL380 G6
Hewlett Packard DL380 G7
Hewlett Packard DL385 G5
Hewlett Packard DL385 G6
Hewlett Packard DL385 G7

Hewlett-Packard DL580 G5
Hewlett Packard DL585 G2
Hewlett Packard DL585 G6

Hewlett Packard DL785 G7

HP C3000 and C7000 Blade Server Blades

Hewlett-Packard BL460c blades
Hewlett-Packard BL460c G6 blades
Hewlett-Packard BL465c blades
Hewlett-Packard BL465c G6 blades
Hewlett-Packard BL480c blades
Hewlett-Packard BL480c G6 blades
Hewlett-Packard BL490c G6 blades
Hewlett-Packard BL495c G5 blades
Hewlett-Packard BL495c G6 blades
Hewlett-Packard BL680c G5 blades
Hewlett-Packard BL685c G6 blades

Eclipse Xeon 3 GHz
Eclipse Xeon Dual processor
Eclipse Pentium 4
Eclipse Pentium 4 3 GHz (1 GB Memory)
Eclipse Pentium 4 3.4GHz (1 GB Memory)
Eclipse Opteron 244 (4 GB Memory)
Eclipse Dual Opteron 248 (8 GB Memory)
Eclipse 2 Core Dual Opteron 265 (8 GB Memory)

IBM x2550 (AMD)
IBM x3250-M2
IBM x3250-M3
IBM x3350
IBM x3445
IBM x3450
IBM x3550
IBM x3550-M3
IBM x3650
IBM x3620-M3
IBM x3650-M2
IBM x3650-M3
IBM x3755
IBM x3850-M2
IBM x3950-M2

IBM BladeCenter Series H (86771XX) with:
LS21 blades (AMD Opteron)
HS21 blades (Intel Xeon)
HS22 blades (Intel Xeon 5500)

Intel S3200SHLX

Rackable 2xL5320 Dual Processor Quad Core,
with 8 GB RAM and two PCI-E slots

Servers (continued)

Sun Sun Fire X2270 M2 (Intel)
Sun Sun Fire X4170 (Intel)
Sun Sun Fire X4270 (Intel)
Sun Sun Fire X4275 (Intel)
Sun Sun Fire X4450 (Intel)

Sun Sun Fire X4540 (AMD)
Sun Sun Fire X4600 (AMD)
Sun Sun Fire X4640 (AMD)

Sun Blade 6000 and 6048 Blade Chassis
Sun Blade X6240 (AMD)
Sun Blade X6440 (AMD)
Sun Blade X6270 (Intel)
Sun Blade 6275 (Intel)

Supermicro Blades
Supermicro Dual Opteron 254 (8GB Memory) (1U A+ Family)
Supermicro Dual 2-Core Opteron 254 (8 GB Memory) (1U A+ Family)
Supermicro Dual 2-Core Opteron 254 (16 GB Memory) (1U A+ Family)

Verari BladeRack 2 E-Class enclosures with
S5400SF, Intel Xeon CPU E5430, 2.66 GHz blades (VB1255XE)
Verari BladeRack 2 XL-Class (BR 2-XT) enclosures with
S5400SF, Intel Xeon CPU E5430, 2.66 GHz blades (VB1255XL)
Verari BladeRack 2 XT-Class (BR 2-XL) enclosures with
S5400SF, Intel Xeon CPU E5430, 2.66 GHz blades (VB1250XT)
Verari VB1270 Blade
Verari BR2XT rack, including VCC 3.11 on a VSM2
Verari 1255XT Blades

Storage**Storage Targets**

3PAR InServ S400X (OS Version 2.2.4(MU2))
3PAR InServ S400 (2.2.3)
3PAR InServ S800 (2.2.3)

Adaptec SANbloc Series 2 GB JBOD

Compellent Series 20
Compellent Series 30

DotHill R/Evo 2130-2RX (Firmware version 2028)

Dell Equallogic PS4000E/X/XV/S
Dell Equallogic PS5000E/X/XV/S
Dell Equallogic PS6000E/X/XV/S
Dell Equallogic PS6010E/X/XV/S
Dell Equallogic PS6500E/X/XV/S
Dell Equallogic PS6510E/X/XV/S

EMC CLARiiON AX100
EMC CLARiiON AX150 (AX150-250)
EMC CLARiiON AX4 (AX4-5F/5i)
EMC CLARiiON CX300
EMC CLARiiON CX3 Series
EMC CLARiiON CX400
EMC CLARiiON CX4 Series
EMC CLARiiON CX360
EMC CLARiiON CX500
EMC Hulk/Maui Content-Based Storage
EMC Symmetrix DMX-3 (5671)
EMC Symmetrix DMX-4 (5672)

Engenio LSI-1 (Firmware version 06.12.10.00)
(NVSRAM version: N288X-612834-400)

Hitachi Data Systems AMS500
Hitachi Data Systems 2300 (FC)
Hitachi Data Systems 2500 (FC)
Hitachi Data Systems USP-V (FC)

Hewlett-Packard HSV200 (software version CR0ECAxc3p-6110)
Hewlett-Packard StorageWorks Enterprise Virtual Array 8000 (EVA 8000)
Hewlett-Packard EVA 4000
Hewlett-Packard XP20000
Hewlett-Packard XP24000

IBM XIV Storage Array
IBM XIV Storage Array (with LSI Logic HBA-based FC Controller)
IBM DT4000
IBM DS4400
IBM DS4700
IBM DS6000
IBM DS8000
IBM TS3500 Tape Library (machine type 3584)
IBM San Volume Controller (SVC)

Lefthand Networks SAN/iQ iSCSI

Network Appliance FAS 3040 (software version 7.2.1.1)
Network Appliance FAS 3020C
Network Appliance FAS960c
Network Appliance FAS2020
Network Appliance FAS3020 (NFS, CIFS, iSCSI, FC)
Network Appliance FAS3040
Network Appliance FAS3050
Network Appliance FAS3050 with local-attached
Network Appliance FAS3070
Network Appliance FAS3140 (NFS, CIFS, iSCSI, FC)
Network Appliance FAS3170 (NFS, CIFS, iSCSI, FC)
Network Appliance S550 (iSCSI, NFS, CIFS)
Network Appliance 720 (iSCSI, NFS, CIFS)

Overland Ultimus RAID 1200 (software v3.05.001) (OV-OSR1048)

Pillar Data Systems Axiom

Quantum ATL M1500

SANBlaze (Software version v4.0.1)

Storage

StorageTek FlexLine

Multipath I/O Software

VMware ESX Host-Based Multi-Pathing

Veritas Dynamic Multipathing (DMP) 5.0

IBM Redundant Disk Array Controller (RDAC)
IBM Subsystem Device Driver (SDD)

Linux Device Mapper

HP StorageWorks SecurePath
(HP Multipath Software Requires Downrev MPIO)

Network Appliance MPIO

EMC PowerPath

Fibre Channel Switches

Certified with the following products at Brocade firmware rev 5.0.3 or later:

Brocade E200

Brocade 300

Brocade 24000 SAN Director

Brocade 3800

Brocade 3900

Brocade 4100

Brocade 48000 SAN Director

Brocade 5000

Brocade 5100

Brocade 5300

Brocade 3200

Brocade 3250

Brocade DCX SAN Director

Certified with the following products at Cisco firmware rev 3.0.1 or later:

Cisco MDS 9124

Cisco MDS 9513

Cisco MDS 9216

Cisco MDS 9216A

Cisco MDS 9506

Cisco MDS 9509

Cisco MDS 9129

Cisco MDS 9513

Infotrend Viper FF 2021

HP StorageWorks 4/16 SAN Switch (A7985A#ABA)

HP StorageWorks 4/32 SAN Switch (A7393A#ABA)

HP StorageWorks SAN Switch

McData Sphereon 4700

DAS Configurations

EMC CLARiiON AX100 direct-attached to ESX 3.5.0 Server
through I/O Director

EMC CLARiiON AX500 direct-attached to ESX 3.5.0 Server
through I/O Director

Ethernet Switches

Arista 7100
Arista 7500

Cisco 2950
Cisco 2970
Cisco 3550
Cisco 3560
Cisco 3750
Cisco 37805E
Cisco 4948 Gigabit Ethernet Switches
Cisco 6500
Cisco 6509
Cisco 6513
Cisco 6704 4-Port 10 Gig Ethernet Modules
Cisco AS2511-RJ

Hewlett Packard ProCurve 2626 (J4900A#ABA)
Hewlett Packard ProCurve 2824 (J4903A#ABA)
Hewlett Packard ProCurve 2848 (J4904A#ABA)
Hewlett Packard ProCurve 4104gl (J4887A#ABA)
Hewlett Packard ProCurve 4108gl (J4861A#ABA)
Hewlett Packard ProCurve 5406zl

Nortel 5530-24TFD

Juniper EX4200
Juniper ISG2000-1 ISG blade

NETGEAR ProSafe 48-Port Gigabit Smart Switch (GS748T)
NETGEAR ProSafe 24-Port Gigabit Layer 3 Managed Switch (GSM7328S)
NETGEAR ProSafe 24-Port 10/100/1000 Layer 2 Managed
Gigabit Switch (GSM7224)
NETGEAR ProSafe 24-Port 10/100/1000 Gigabit Ethernet Switch (JGS524)
NETGEAR ProSafe 24-Port 10/100/1000 Smart Switch (GS724T)
NETGEAR ProSafe 24-Port 10/100 Smart Switch with
2 1Gbps Ports (FS726TP)

InfiniBand Devices and Components

Mellanox Dual-Rail Single Port InfiniBand DDR HCA
 Mellanox MTS2400 24-Port InfiniBand Switch System (MTS2400-24)
 Mellanox Intelligent Copper Pass-thru Module (44W4483)
 Mellanox Single-Port 4x DDR IB PCI-E HVCA Bundle (44R9976)
 Mellanox ConnectX Dual-Port 4x DDR IB PCI-E 2.0 Bundle (44R8728)
 Mellanox ConnectX HCAs for ESX hosts
 Mellanox ConnectX HCAs for Linux hosts
 Mellanox ConnectX HCAs for Windows 2003 hosts
 Mellanox InfiniHost HCAs

Voltaire 4X InfiniBand DDR Expansion Card (CFFh) (43W4420)
 Voltaire HCA 4X0 Product Family (400EX-D, 400EX-D-M, 410EX-D)
 Voltaire ISR 9024 (501S30073)
 Voltaire ISR 9024D-M (501S30071)
 Voltaire Grid Director Switch 4700, with embedded fabric manager
 Voltaire Grid Director Switch 4036, with embedded fabric manager
 Voltaire Grid Director Switch 2004 with embedded fabric manager
 Voltaire Grid Director Switch 2012 with embedded fabric manager
 Voltaire Grid Director Switch 9024 with embedded fabric manager

IBM BladeCenter

IBM 4X InfiniBand DDR Expansion Card (43W4422)
 IBM 4X InfiniBand DDR Expansion Card (43W4423)
 IBM InfiniBand Card Kit (42D1479)
 Cisco SFS 7000D InfiniBand Server Switch, 24 Ports, with embedded fabric manager (SFS7000D-SK9)
 Cisco 4X InfiniBand DDR Expansion Card (43W4422)
 Cisco 4X InfiniBand DDR Expansion Card (43W4423)
 Cisco 4X InfiniBand Pass-Thru Module (43W4419)
 Voltaire 40 Gb InfiniBand Switch Module (46M6005)
 2-Port 20 Gb Voltaire InfiniBand DDR Expansion Card (43W4420)
 IBM 4x Infiniband QDR Expansion Card (46M6001)

HP c-Class BladeSystem

Hewlett Packard 4X DDR InfiniBand Dual-Port Mezzanine HCA (410533-B21)
 Hewlett-Packard 4X DDR InfiniBand Dual-port Mezzanine HCA (448262-B21)
 Hewlett-Packard 4x QDR Infiniband Dual-Port Mezzanine HCA (592519-B21)
 Hewlett Packard 4X DDR InfiniBand Switch Module (410398-B21)
 Hewlett-Packard BLc 4x DDR InfiniBand Gen 2 Switch Module (4891832-B21)
 Hewlett-Packard BLc 4x QDR InfiniBand Switch Module (489184-B21)

Dell Blade M1000 Blade Server

Mellanox 2-port DDR Infiniband HCA for M805/M905 Blade (430-2852)
 Mellanox 2-port QDR Infiniband HCA
 Dell DDR Infiniband Blade Switch (M2401G)
 Dell QDR Infiniband Blade Switch (M3601Q)

Dell HCAs

Mellanox Infiniscale III 2-port DDR HCA (A1717697)
 Mellanox ConnectX 2-port DDR HCA (A1704907)
 Mellanox ConnectX 2-port QDR HCA (A1646668)

Dell IB Switches

Mellanox Infiniscale IV QDR Switch (A1747510)

Sun Blade IB PCI ExpressModules

Sun 4x DDR Infiniband PCI Express Module (X4216A-Z)
 Sun 4x QDR Infiniband PCI Express Module (X4219A-Z)
 Sun 4x QDR Infiniband Network Express Module (X5500A)
 Sun Blade 6048 QDR Infiniband NEM

Fujitsu Primergy Blade Server IB Modules

Fujitsu 4x QDR Infiniband HCA Mezzanine Card (S26361-F3992-E1)
 Fujitsu 4x QDR Infiniband Switch Module (S26361-K1336-V200)

SuperMicro SuperBlade Server IB Modules

SuperMicro 4x DDR Infiniband HCA Mezzanine Card (AOC-IBH-XDD)
 SuperMicro 4x DDR Infiniband HCA Mezzanine Card (AOC-IBH-XDS)
 SuperMicro 4x DDR Infiniband HCA Mezzanine Card (AOC-IBH-002)
 SuperMicro 4x QDR Infiniband HCA Mezzanine Card (AOC-IBH-XQS)
 SuperMicro 4x QDR Infiniband Blade Switch (SBM-IBS-001)

InfiniBand Tools

Support for OFED 1.3.1 IB stack
 Support for mstflint-1.3.1.ofed.1.3.1 RPM

Operating Systems

Novell SUSE Linux 10 update 2
Novell SUSE Linux 11

Red Hat Enterprise Linux (RHEL) 4, update 8 (x32 and x64)
Red Hat Enterprise Linux (RHEL) 5 (x32 and x64)
Red Hat Enterprise Linux (RHEL) 5, update 1 (x32 and x64)
Red Hat Enterprise Linux (RHEL) 5, update 2 (x32 and x64)
Red Hat Enterprise Linux (RHEL) 5, update 3 (x32 and x64)
Red Hat Enterprise Linux (RHEL) 5, update 4 (x32 and x64)
Red Hat (RHEL) 5, update 2, XEN
Red Hat (RHEL) 5, update 3, XEN
Red Hat (RHEL) 5, update 4, XEN
Red Hat (RHEL) 5, update 5, XEN

Ubuntu Linux 8.10

Citrix XenServer 5.5

Oracle VM 2.2.1

Solaris 10u8 (x86)

VMware ESX 3.5 GA (update 0) (32-bit)
VMware ESX 3.5 update 1 (32-bit)
VMware ESX 3.5 update 2 (32-bit)
VMware ESX 3.5 update 3 (32-bit)
VMware ESX 3.5 update 4 (32-bit)
VMware ESX 3.5 update 5 (32-bit)
VMware ESX 4.0 (64-bit)
VMware ESX 4.0 update 1 (64-bit)

Microsoft Windows Server 2003 R2 (x32 and x64)
Microsoft Windows Server 2003 R2 SP2 (x32 and x64)
Microsoft Windows Server 2003 64-bit R2 SP2 (WHQL logo)
Microsoft Windows Server 2008, WHQL
Microsoft Windows Server 2008, R2 WHQL