



Lenovo VMware Customized Image Reference Guide

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Lenovo VMware Customized Image Reference Information

This document provides additional information for VMware customized images available from Lenovo.

Image Download Links

Image Version	Lenovo or IBM	Website
ESXi 5.5u2	Lenovo	http://www-947.ibm.com/support/entry/portal/support
ESXi 5.1u3	Lenovo	https://my.vmware.com/web/vmware/info/slug/datacenter_cloud_infrastructure/vmware_vsphere/5_1#custom_iso
ESXi 5.1u2	Lenovo	http://www-947.ibm.com/support/entry/portal/support
ESXi 5.5 and ESXi 5.5 U1	IBM	http://www-03.ibm.com/systems/x/os/vmware/index.html
ESXi 5.1, ESXi 5.1 U1, and ESXi 5.1 U2	IBM	http://www-03.ibm.com/systems/x/os/vmware/index.html
ESXi 5.0 , ESXi 5.0 U2 and ESXi 5.0 U3	IBM	http://www-03.ibm.com/systems/x/os/vmware/index.html
ESXi 4.1 U1, ESXi 4.1u2, and ESXi 4.1u1	IBM	http://www-03.ibm.com/systems/x/os/vmware/index.html

¹ IBM images can be updated to Lenovo images and are supported. Lenovo patches can be applied to IBM images and are supported.

² Refer to KB article 2050443 at the following url for required installation settings:

http://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=2050443

System Support

BladeCenter®

Model	HX5 (7872, 7873)	HS12 (8014, 8028)	HS21 (8853)	HS21 XM (7995)	LS22 (7901)	LS42 (7902)	HS22 (7870)	HS22 (7870,7809) BCT(8267)	HS22V (7871)	HS23 (7875)	HS23E (8038)
VMware vSphere 5.5/5.5u1/5.5u2	x	x	NS	NS	NS	NS	x	NS	x	x	x
VMware vSphere 5.1/5.1u1/5.1u2/5.1u3	x	x	NS	NS	NS	NS	x	NS	x	x	x
VMware vSphere 5.0/5.0u1/5.0u2/5.0u3	x	x	NS	NS	NS	NS	x	NS	x	x	x
VMware vSphere 5	x	x	NS	NS	NS	NS	x	NS	x	x	x
VMware ESXi 4.1u2/4.1u3	x	x	P	P	P	P	x	x	x	x	x
VMware ESXi 4.1u1	x	x	P	P	P	P	x	x	x	x	NS

NS = Not Supported

P = To update firmware on VMware ESXi systems, the system must be IMM-based. Systems that are partially supported can continue to benefit from the updated content in the IBM customized image.

iDataPlex and Flex System

Model	dx360 M2 (7323)	dx360 M3 (6391)	dx360 M4 (7912)	x220 Compute Node (7906)	x222 Compute Node	x240 Compute Node	x440 Compute Node (7917)
VMware vSphere 5.5/5.5u1/5.5u2	X	X	X	X	X	X	X
VMware vSphere 5.1/5.1u1/5.1u2/5.1u3	X	X	X	X	X	X	X
VMware vSphere 5.0u1/5.0u2/5.0u3	X	X	X	X	X	X	X
VMware vSphere 5.0	X	X	X	X	X	X	X
VMware ESXi 4.1u2/4.1u3	X	X	X	X	X	X	X
VMware ESXi 4.1u1	X	X	N S	N S	N S	N S	N S

NS = Not Supported

P = To update firmware on VMware ESXi systems, the system must be IMM-based. Systems that are partially supported can continue to benefit from the updated content in the IBM customized image.

System x®

Model	x3850 x5/x3950 x5 (7143)	x3690 x5 (7147)	x3750 M4 (8722/8733)	x3650 M4 (7158)	x3630 M4 (7158)	x3550 M4 (7914)	x3530 M4 (7160)	x3500 M4 (7383)	x3250 M4 (2583)	x3100 M4 (2582)	x3755 M3 (7164)	x3650 M3 (7945)	x3630 M3 (7377)	x3620 M3 (7376)	x3550 M3 (7944)	x3500 M3 (7380)	x3400 M3 (7378, 7379)
VMware vSphere 5.5/5.5u1/5.5u2	x	x	x	x	x	x	x	x	x	NS	x	x	x	x	x	x	x
VMware vSphere 5.1/5.1u1/5.1u2/5.1u3	x	x	x	x	x	x	x	x	x	NS	x	x	x	x	x	x	x
VMware vSphere 5.0u1/5.0u2/5.0u3	x	x	x	x	x	x	x	x	x	NS	x	x	x	x	x	x	x
VMware vSphere 5.0	x	x	x	x	x	x	x	x	x	NS	x	x	x	x	x	x	x
VMware ESXi 4.1u2/4.1u3	x	x	x	x	x	x	x	x	x	NS	x	x	x	x	x	x	x
VMware ESXi 4.1u1	x	x	NS	NS	NS	NS	NS	NS	x	NS	NS	x	x	x	x	x	x

Model	x3250 M3 (4251, 4252)	x3200 M3 (7327, 73 28)	x3850 x5/x3950 x5 (7145)	x3690 x5 (7148)	x3850 M2/x3950 M2 (7141)	x3650 M2 (7947)	x3550 M2 (7946)	x3500 M2 (7839)	x3400 M2 (7836,7837)	x3850/x3950 M2 (7233)	x3755 (7163)
VMware vSphere 5.5/5.5u1/5.5u2	x	x	x	x	NS	x	x	x	x	NS	NS
VMware vSphere 5.1/5.1u1/5.1u2/5.1u3	x	x	x	x	NS	x	x	x	x	P	NS
VMware vSphere 5.0u1/5.0u2/5.0u3	x	x	x	x	NS	x	x	x	x	P	NS
VMware vSphere 5.0	x	x	x	x	P	x	x	x	x	P	P
VMware ESXi 4.1u2/4.1u3	x	x	x	x	P	x	x	x	x	P	P
VMware ESXi 4.1u1	x	x	x	x	P	x	x	x	x	P	P

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P = To update firmware on VMware ESXi systems, the system must be IMM-based. Systems that are partially supported can continue to benefit from the updated content in the IBM customized image.

For specific support statements review both VMware's vCG and IBM/Lenovo's ServerProven site:

ServerProven®

<http://www-03.ibm.com/systems/info/x86servers/serverproven/compat/us/>

VMware compatibility

<http://www.vmware.com/resources/compatibility/search.php>

Image Contents

Customized VMware vSphere Hypervisor (ESXi) 5.0 Release Date 06/14/12 (version 2)

Function	Vendor	Provider/Driver	Version
IMM	IBM	fwupdate	500-2ACE08AUS
IMM	IBM	immpassthru	500-2ACE08AUS
IMM	IBM	concretejob	500-2ACE08AUS
IMM	IBM	filetrans	500-2ACE08AUS
CBB	IBM	hwckvm	500-ESXI01ACN
CBB	IBM	smbios	500-ESXI01ACN
CBB	IBM	pciinfo	500-ESXI01ACN
FUPB	IBM	fupb	1.23-7.100
Provider	Emulex	emulex-cim-provider	3.4.19.1-01
Driver	Emulex	ima-be2iscsi	4.0.317.1-1OEM.500.0.0.406165
Driver	Emulex	net-be2net	4.1.334.48-1OEM.500.0.0.472560
Driver	Emulex	scsi-be2iscsi	4.0.317.1-1OEM.500.0.0.406165
Driver	Emulex	scsi-lpfc820	8.2.2.105.36-1OEM.500.0.0.406165
Provider	Brocade	brcdprovider	3.0.0.0-0
Driver	Brocade	net-bna	3.0.0.0-1OEM.500.0.0.406165.x86_64
Driver	Brocade	scsi-bfa	3.0.0.0-1OEM.500.0.0.406165.x86_64
Provider	Qlogic	provider-fchba	1.3.8-381646
qlge	Qlogic	net-qlge	1.0.0.47-1vmw.500.0.0.406165
qla4	Qlogic	ima-qla4xxx	500.2.01.16
qla4	Qlogic	scsi-qla4xxx	624.01.32-1vmw.500.0.0.406165
Provider	IBM	ibmcustomization	2.1-3
Driver	LSI	scsi-megaraid-sas	5.34-1vmw.500.0.0.406165
Provider	IBM	ilfu	500-1.00.20111020
Provider	IBM	LSIProvider	500.04.V0.24-261033
Provider	IBM	ibmllic-esx-license	1.0-03

Customized VMware vSphere Hypervisor (ESXi) 5.0u1 Release Date 06/14/12 (version 2)

Vendor	Provider/Driver	Version
IBM	fwupdate	500-2ACE09AUS
IBM	immpassthru	500-2ACE09AUS
IBM	concretejob	500-2ACE09AUS
IBM	filetrans	500-2ACE09AUS
IBM	hwckvm	500-ESXI01ACN
IBM	smbios	500-ESXI01ACN
IBM	pciinfo	500-ESXI01ACN
IBM	fupb	5.01-7.100
Emulex	emulex-cim-provider	3.5.17.1-01
Emulex	ima-be2iscsi	4.1.334.3-1OEM.500.0.0.472629
Emulex	net-be2net	4.1.334.48-1OEM.500.0.0.472560
Emulex	scsi-be2iscsi	4.1.334.3-1OEM.500.0.0.472629
Emulex	scsi-lpfc820	8.2.2.126.50-1OEM.500.0.0.472560
Brocade	brcdprovider	3.0.3.0-0
Brocade	net-bna	3.0.3.0-1OEM.500.0.0.472560
Brocade	scsi-bfa	3.0.3.0-1OEM.500.0.0.472560
Brcm	brcm	500.1.0-000000
Brcm	net-tg3	3.120h.v50.2-1OEM.500.0.0.472560
Brcm	net-bnx2	2.1.12b.v50.3-1OEM.500.0.0.472560
Brcm	net-bnx2x	1.70.34.v50.1-1OEM.500.0.0.472560
Qlogic	provider-fchba	1.3.8-381646
Qlogic	net-qlge	1.0.0.47-1vmw.500.0.0.406165
Qlogic	scsi-qla2xxx	911.k1.1-26OEM.500.0.0.472560
Qlogic	ima-qla4xxx	500.2.01.29-1vmw.0.0.112306
Qlogic	scsi-qla4xxx	624.01.36-1vmw.500.0.0.406165
IBM	ibmcustomization	2.1-3
IBM	ibmlic-esx-license	1.0-03

Customized VMware vSphere Hypervisor (ESXi) 5.0u2 Release Date 02/19/13

Function	Vendor	Provider/Driver	Version
IMM	IBM	fwupdate	500-2ACE16AUS
IMM	IBM	immpassthru	500-2ACE16AUS
IMM	IBM	concretejob	500-2ACE16AUS
IMM	IBM	filetrans	500-2ACE16AUS
FUPB	IBM	fupb	5.01-7.280
CBB	IBM	hwckvm	500-ESXI01ACN
CBB	IBM	soibms	500-ESXI01ACN
CBB	IBM	pciinfo	500-ESXI03ACN
Provider	Emulex	emulex-cim-provider	3.6.12.1-01
Driver	Emulex	ima-be2iscsi	4.2.324.12-1OEM.500.0.0.472629
Driver	Emulex	scsi-be2iscsi	4.2.324.12-1OEM.500.0.0.472629
Driver	Emulex	net-be2net	4.2.327.0-1OEM.500.0.0.472560
Driver	Emulex	scsi-lpfc820	8.2.4.141.55-1OEM.500.0.0.472560
Provider	Brocade	brcdprovider	3.1.0.0-0
Driver	Brocade	net-bna	3.1.0.0-1OEM.500.0.0.472560
Driver	Brocade	scsi-bfa	3.1.0.0-1OEM.500.0.0.472560
Facade	IBM	brcmfwup	500-1.00.20121017
Provider	Brcm	brcm	500.2.0.3-000000
Driver	Brcm	misc-cnic-register	1.72.1.v50.1-1OEM.500.0.0.472560
Driver	Brcm	net-tg3	3.123b.v50.1-1OEM.500.0.0.472560
Driver	Brcm	net-bnx2	2.2.11.v50.1-1OEM.500.0.0.472560
Driver	Brcm	net-bnx2x	1.72.54.v50.2-1OEM.500.0.0.472560
Driver	Brcm	net-cnic	1.72.50.v50.1-1OEM.500.0.0.472560
Driver	Brcm	scsi-bnx2fc	1.72.51.v50.1-1OEM.500.0.0.406165
Driver	Brcm	scsi-bnx2i	2.72.10.v50.2-1OEM.500.0.0.472560
Provider	Qlogic	provider-fchba	1.3.17-469512
Provider	Qlogic	qlogic-nic-provider	1.3.15-469512
Driver	Qlogic	net-qlge	2.0.0.54-1vmw.500.0.0.472560
Driver	Qlogic	scsi-qla2xxx	934.5.4.0-1OEM.500.0.0.472560
Driver	Qlogic	ima-qla4xxx	500.2.01.31-1vmw.0.0.060523
Driver	QLogic	net-qlcnic	5.0.750-1OEM.500.0.0.472560
Driver	Qlogic	scsi-qla4xxx	634.5.7.0-1OEM.500.0.0.472560
Provider	LSI	lsiprovider	500.04.V0.32-0005
Provider	Intel	intel-cdmv2-provider	2.1-1.0
Driver	Intel	net-igb	3.4.7.3-1OEM.500.0.0.472560
Driver	Intel	net-ixgbe	3.9.13.4-1OEM.500.0.0.472560
Provider	IBM	iifu	500-1.01.20121012
OEM	IBM	ibmcustomization	2.0-3
OEM lic	IBM	ibmlic-esx-license	1.0-03
Driver	Mellanox	net-mlx4-en	1.6.1.2

Customized VMware vSphere Hypervisor (ESXi) 5.0u3 Release Date 12/20/13

Vendor	Provider/Driver	Version
IBM	fwupdate	500-2ACE20CUS
IBM	immpassthru	500-2ACE20CUS
IBM	concretejob	500-2ACE20CUS
IBM	filetrans	500-2ACE20CUS
IBM	hwckvm	500-ESXI04ACN
IBM	smbios	500-ESXI04ACN
IBM	pciinfo	500-ESXI05ACN
IBM	fupb	5.1-8.500
Emulex	emulex-cim-provider	3.8.21.1-01
Emulex	ima-be2iscsi	4.6.142.2-1OEM.500.0.0.472629
Emulex	net-be2net	4.6.142.10-1OEM.510.0.0.472560
Emulex	scsi-be2iscsi	4.6.142.2-1OEM.500.0.0.472629
Emulex	scsi-lpfc820	8.2.4.151.65-1OEM.500.0.0.472560
Brocade	brcdprovider	3.2.3.0-0
Brocade	net-bna	3.2.3.00403-1OEM.500.0.0.472560
Brocade	scsi-bfa	3.2.3.00403-1OEM.500.0.0.472560
Qlogic	provider-cna	1.5.4-469512
Qlogic	net-qlge	2.0.0.57-1vmw.500.0.0.472560
Qlogic	net-qlcnic	5.1.178-1OEM.500.0.0.472560
Qlogic	lma-qla4xxx	500.2.01.31-1vmw.0.0.060523
Qlogic	scsi-qla2xxx	934.5.29.0-1OEM.500.0.0.472560
Qlogic	scsi-qla4xxx	634.5.26.0-1OEM.500.0.0.472560
BRCM	Brcm	500.2.0.3-000000
BRCM	Misc-cnic-register	1.72.1.v50.2-1OEM.500.0.0.472560
BRCM	Net-bnx2	2.2.3e.v50.1-1OEM.500.0.0.472560

BRCM	Net-bnx2x	1.74.22.v50.1-1OEM.500.0.0.472560
BRCM	Net-cnic	1.74.04.v50.3-1OEM.500.0.0.472560
BRCM	Net-tg3	3.124c.v50.1-1OEM.500.0.0.472560
BRCM	Scsi-bnx2fc	1.74.02.v50.2-1OEM.500.0.0.406165
BRCM	Scsi-bnx2i	2.74.07.v50.1-1OEM.500.0.0.472560
LSI	Lsiprovider	500.04.V0.38-0007
LSI	Scsi-megaraid-sas	6.601.55.00.1vmw-1vmw.500.0.0.472560
LSI	Scsi-mpt3sas	03.00.00.00.1vmw-1OEM.500.0.0.472560
Intel	intel-cdmv2-provider	2.1-1.11
Intel	Net-igb	4.0.17-1OEM.500.0.0.472560
Intel	Net-ixgbe	3.14.3-1OEM.500.0.0.472560
Mellanox	net-mlx4-en	1.6.1.2-1OEM.500.0.0.406165
IBM	lifu	500-1.01.20131022
IBM	Brcmfwup	500-2.00.20130305
IBM	ibmcustomization	2.3-0
IBM	ibmlic-esx-license	1.0-04
IBM	ibmpowercim	5.0-01ACN

Customized VMware vSphere Hypervisor (ESXi) 5.1 Release Date 10/19/12

Function	Vendor	Provider/Driver	Version
IMM	IBM	fwupdate	500-2ACE14DUS
IMM	IBM	immpassthru	500-2ACE15AUS
IMM	IBM	concretejob	500-2ACE14DUS
IMM	IBM	filetrans	500-2ACE14DUS
FUPB	IBM	fupb	5.01-7.250
CBB	IBM	hwckvm	500-ESXI01ACN
CBB	IBM	soibms	500-ESXI01ACN
CBB	IBM	pciinfo	500-PRIVATE
Provider	Emulex	emulex-cim-provider	3.5.19.1-01
Driver	Emulex	ima-be2iscsi	4.1.334.3-1OEM-1OEM.500.0.0.472629
Driver	Emulex	scsi-be2iscsi	4.1.334.3-1OEM-1OEM.500.0.0.472629
Driver	Emulex	net-be2net	4.1.334.48-1OEM.500.0.0.472560
Driver	Emulex	scsi-lpfc820	8.2.2.126.50-1OEM.500.0.0.472560
Provider	Brocade	Brcdprovider	3.0.3.0-0
Driver	Brocade	net-bna	3.0.3.0
Driver	Brocade	scsi-bfa	3.0.3.0
Facade	IBM	Brcmfwup	500-1.00.20120507
Provider	Brcm	brcm	500.1.1-000000
Driver	Brcm	misc-cnic-register	1.72.1.v50.1-1OEM.500.0.0.472560
Driver	Brcm	net-tg3	3.123b.v50.1-1OEM.500.0.0.472560
Driver	Brcm	net-bnx2	2.2.1l.v50.1-1OEM.500.0.0.472560
Driver	Brcm	net-bnx2x	1.72.54.v50.2-1OEM.500.0.0.472560
Driver	Brcm	net-cnic	1.72.50.v50.1-1OEM.500.0.0.472560
Driver	Brcm	net-tg3	3.123b.v50.1-1OEM.500.0.0.472560
Driver	Brcm	scsi-bnx2fc	1.72.51.v50.1-1OEM.500.0.0.406165
Driver	Brcm	scsi-bnx2i	2.72.10.v50.2-1OEM.500.0.0.472560
Provider	Qlogic	provider-fchba	1.3.14-469512
Driver	Qlogic	net-qlge	1.0.0.47-1vmw.500.0.0.406165
Driver	Qlogic	scsi-qla2xxx	911.k1.1-26OEM.500.0.0.472560
Driver	Qlogic	ima-qla4xxx	500.2.01.31-1vmw.0.0.011509
Driver	QLogic	net-qlcnic	5.0.741-1OEM.500.0.0.472560
Driver	Qlogic	scsi-qla4xxx	624.01.43-1OEM.500.0.0.472560
Provider	LSI	lsiprovider	500.04.V0.30-4000000
Provider	IBM	ilfu	500-1.01.20120504
OEM	IBM	ibmcustomization	3.0-0
OEM lic	IBM	ibmlic-esx-license	1.0-03

Customized VMware vSphere Hypervisor (ESXi) 5.1u1 Release Date 06/28/13

Vendor	Provider/Driver	Version
IBM	fwupdate	500-2ACE17BUS
IBM	immpassthru	500-2ACE17CUS
IBM	concretejob	500-2ACE17BUS
IBM	filetrans	500-2ACE17BUS
IBM	hwckvm	500-ESXI04ACN
IBM	smbios	500-ESXI04ACN
IBM	pciinfo	500-ESXI05ACN
IBM	fupb	5-7.400
Emulex	emulex-cim-provider	3.8.15.1-01
Emulex	ima-be2iscsi	4.6.142.10-1OEM.510.0.0.802205
Emulex	net-be2net	4.6.142.10-1OEM.500.0.0.472560
Emulex	scsi-be2iscsi	4.6.142.2-1OEM.500.0.0.472629
Emulex	scsi-lpfc820	8.2.4.151.65-1OEM.500.0.0.472560
Brocade	brcdprovider	3.2.0.0-0
Brocade	net-bna	3.2.0.0-1OEM.500.0.0.472560
Brocade	scsi-bfa	3.2.0.0-1OEM.500.0.0.472560
Qlogic	provider-cna	1.4.4-469512
Qlogic	net-qlge	2.0.0.54-1vmw.500.0.0.472560
Qlogic	net-qlcnic	5.0.750-1OEM.500.0.0.472560
Qlogic	lma-qla4xxx	500.2.01.31-1vmw.0.0.060523
Qlogic	scsi-qla2xxx	934.5.6.0-1OEM.500.0.0.472560
Qlogic	scsi-qla4xxx	634.5.7.0-1OEM.500.0.0.472560
BRCM	Brcm	500.2.0.3-000000
BRCM	Misc-cnic-register	1.72.1.v50.2-1OEM.500.0.0.472560
BRCM	Net-bnx2	2.2.3e.v50.1-1OEM.500.0.0.472560
BRCM	Net-bnx2x	1.74.22.v50.1-1OEM.500.0.0.472560
BRCM	Net-cnic	1.74.04.v50.3-1OEM.500.0.0.472560
BRCM	Net-tg3	3.124c.v50.1-1OEM.500.0.0.472560
BRCM	Scsi-bnx2fc	1.74.02.v50.2-1OEM.500.0.0.406165
BRCM	Scsi-bnx2i	2.74.07.v50.1-1OEM.500.0.0.472560
LSI	Lsiprovider	500.04.V0.37-0008
LSI	Scsi-megaraid-sas	6.600.54.00.1vmw-1vmw.500.0.0.472560
LSI	Scsi-mpt3sas	01.255.100.00.1vmw-1OEM.500.0.0.472560
Intel	intel-cdmv2-provider	2.1-1.11
Intel	Net-igb	4.0.17-1OEM.500.0.0.472560
Intel	Net-ixgbe	3.14.3-1OEM.500.0.0.472560
Mellanox	net-mlx4-en	1.6.1.2-1OEM.500.0.0.406165
IBM	lifu	500-1.01.20130201
IBM	Brcmfwup	500-2.00.20130305
IBM	ibmcustomization	3.1-1
IBM	ibmllic-esx-license	1.0-04
IBM	ibmpowercim	5.0-00ACN

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Broadcom	brcm	500.2.0.3-000000
Broadcom	misc-cnic-register	1.78.50.v50.1-1OEM.500.0.0.472560
Broadcom	net-bnx2	2.2.4d.v50.1-1OEM.500.0.0.472560
Broadcom	net-bnx2x	1.78.58.v50.1-1OEM.500.0.0.472560
Broadcom	net-cnic	1.78.53.v50.4-1OEM.500.0.0.472560
Broadcom	net-tg3	3.135b.v50.1-1OEM.500.0.0.472560
Broadcom	scsi-bnx2fc	1.78.51.v50.1-1OEM.500.0.0.469512
Broadcom	scsi-bnx2i	2.78.52.v50.1-1OEM.500.0.0.472560
Brocade	brcdprovider	3.2.3.0-0
Brocade	net-bna	3.2.3.0-1OEM.500.0.0.472560
Brocade	scsi-bfa	3.2.3.0-1OEM.500.0.0.472560
Emulex	emulex-cim-provider	10.0.761.0-01OEM.500.0.0.381646
Emulex	ima-be2iscsi	10.0.727.44-1OEM.500.0.0.472629
Emulex	net-be2net	10.0.727.28-1OEM.510.0.0.802205
Emulex	scsi-be2iscsi	10.0.727.44-1OEM.500.0.0.472629
Emulex	scsi-lpfc820	10.0.727.24-1OEM.500.0.0.472560
Emulex	net-qlge	2.0.0.57-1vmw.500.0.0.472560
Intel	net-igb	4.0.17-1OEM.500.0.0.472560
Intel	net-ixgbe	3.19.1-1OEM.500.0.0.472560
Intel	ianet-cimprovider	3.0.0.6-1
LSI	lsiprovider	500.04.V0.39-0008
LSI	scsi-megaraid-sas	6.602.54.00-1OEM.500.0.0.472560
LSI	scsi-mpt2sas	18.00.00.00.1vmw-1OEM.500.0.0.472560
LSI	scsi-mpt3sas	04.00.00.00.1vmw-1OEM.500.0.0.472560
Mellanox	net-mlx4-core	1.9.9.0-1OEM.510.0.0.799733
Mellanox	net-mlx4-en	1.9.9.0-1OEM.510.0.0.799733
QLogic	ima-qla4xxx	500.2.01.31-1vmw.0.3.100400
QLogic	net-qlcnic	5.1.178-1OEM.500.0.0.472560
QLogic	provider-cna	1.5.4-469512
QLogic	scsi-qla2xxx	934.5.29.0-1OEM.500.0.0.472560
QLogic	scsi-qla4xxx	634.5.26.0-1OEM.500.0.0.472560
IBM	brcmfwup	500-2.00.20130305
IBM	immpassthru	500-2ACE22CUS
IBM	concretejob	500-2ACE22CUS
IBM	filetrans	500-2ACE22CUS
IBM	fwupdate	500-2ACE22CUS
IBM	ilfu	500-1.01.20131217
IBM	hwckvm	500-ESXI04ACN
IBM	pciinfo	500-ESXI05ACN
IBM	soibms	500-ESXI04ACN
IBM	ibmcustomization	3.2-1
IBM	ibmlib-esx-license	1.0-04
IBM	fupb	5.1-9.100

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VENDOR	PROVIDER/DRIVER	VERSION
Broadcom	brcm	500.2.5.17-000000
Broadcom	net-tg3	3.135b.v50.1-1OEM.500.0.0.472560
Broadcom	misc-cnic-register	1.710.50.v50.1-1OEM.500.0.0.472560
Broadcom	net-bnx2	2.2.5f.v50.8-1OEM.500.0.0.472560
Broadcom	net-bnx2x	2.710.52.v50.2-1OEM.500.0.0.472560
Broadcom	net-cnic	2.710.50.v50.3-1OEM.500.0.0.472560
Broadcom	scsi-bnx2fc	1.710.50.v50.2-1OEM.500.0.0.469512
Broadcom	scsi-bnx2i	2.710.50.v50.1-1OEM.500.0.0.472560
Brocade	brcdprovider	3.2.3.0-0
Brocade	net-bna	3.2.3.0-1OEM.500.0.0.472560
Brocade	scsi-bfa	3.2.3.0-1OEM.500.0.0.472560
Emulex	emulex-cim-provider	10.2.261.13-01OEM.500.0.0.381646
Emulex	ima-be2iscsi	10.2.250.0-1OEM.500.0.0.472629
Emulex	net-be2net	10.2.254.0-1OEM.510.0.0.802205
Emulex	scsi-be2iscsi	10.2.250.0-1OEM.500.0.0.472629
Emulex	scsi-lpfc820	10.2.242.0-1OEM.500.0.0.472560
Intel	ianet-cimprovider	3.0.0.6-1
Intel	net-igb	4.0.17-1OEM.500.0.0.472560
Intel	net-ixgbe	3.19.1-1OEM.500.0.0.472560
LSI	lsiprovider	500.04.V0.50-0006
LSI	scsi-megaraid-sas	6.602.54.00-1OEM.500.0.0.472560
LSI	scsi-mpt2sas	18.00.00.00.1vmw-1OEM.500.0.0.472560
LSI	scsi-mpt3sas	04.00.00.00.1vmw-1OEM.500.0.0.472560
QLogic	qlogic-cna-provider	1.5.7-469512
QLogic	net-qlcnic	5.1.184-1OEM.500.0.0.472560
QLogic	scsi-qla2xxx	934.5.29.0-1OEM.500.0.0.472560
QLogic	scsi-qla4xxx	634.5.26.0-1OEM.500.0.0.472560
QLogic	ima-qla4xxx	500.2.01.31-1vmw.0.3.100400
QLogic	net-qlge	2.0.0.57-1vmw.500.0.0.472560
Mellanox	net-mlx4-core	1.9.9.0-1OEM.510.0.0.799733
Mellanox	net-mlx4-en	1.9.9.0-1OEM.510.0.0.799733
IBM	ilfu	500-1.01.20131217
IBM	concretejob	500-2ACE23DUS
IBM	filetrans	500-2ACE23DUS
IBM	fwupdate	500-2ACE23DUS
IBM	immpassthru	500-2ACE23DUS
IBM	hwckvm	500-ESXI04ACN
IBM	pciinfo	500-ESXI05ACN
IBM	soibms	500-ESXI04ACN
Lenovo	Invcustomization	5.1-2a
IBM	fupb	5.1-9.500

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VENDOR	PROVIDER/DRIVER	VERSION
Broadcom	brcm	500.2.5.17-000000
Broadcom	net-tg3	3.135b.v50.1-1OEM.500.0.0.472560
Broadcom	misc-cnic-register	1.710.50.v50.1-1OEM.500.0.0.472560
Broadcom	net-bnx2	2.2.5f.v50.8-1OEM.500.0.0.472560
Broadcom	net-bnx2x	2.710.52.v50.2-1OEM.500.0.0.472560
Broadcom	net-cnic	2.710.50.v50.3-1OEM.500.0.0.472560
Broadcom	scsi-bnx2fc	1.710.50.v50.2-1OEM.500.0.0.469512
Broadcom	scsi-bnx2i	2.710.50.v50.1-1OEM.500.0.0.472560
Brocade	brcdprovider_esx50	3.2.3.0-0
Brocade	net-bna	3.2.3.0-1OEM.500.0.0.472560
Brocade	scsi-bfa	3.2.3.0-1OEM.500.0.0.472560
Emulex	emulex-cim-provider	10.2.348.18-01OEM.500.0.0.381646
Emulex	ima-be2iscsi	10.2.250.0-1OEM.500.0.0.472629
Emulex	net-be2net	10.2.293.0-1OEM.510.0.0.802205
Emulex	scsi-be2iscsi	10.2.250.0-1OEM.500.0.0.472629
Emulex	scsi-lpfc820	10.2.292.0-1OEM.500.0.0.472560
Intel	ianet-cimprovider	3.0.0.6-1
Intel	net-igb	4.0.17-1OEM.500.0.0.472560
Intel	net-ixgbe	3.19.1-1OEM.500.0.0.472560
LSI	lsiprovider	500.04.V0.50-0008
LSI	scsi-megaraid-sas	6.602.54.00-1OEM.500.0.0.472560
LSI	scsi-mpt2sas	18.00.00.00.1vmw-1OEM.500.0.0.472560
LSI	scsi-mpt3sas	04.00.00.00.1vmw-1OEM.500.0.0.472560
QLogic	qlogic-cna-provider	1.5.11-469512
QLogic	net-qlcnic	5.1.184-1OEM.500.0.0.472560
QLogic	scsi-qla2xxx	934.5.29.0-1OEM.500.0.0.472560
QLogic	scsi-qla4xxx	634.5.26.0-1OEM.500.0.0.472560
QLogic	ima-qla4xxx	500.2.01.31-1vmw.0.3.100400
QLogic	net-qlge	2.0.0.57-1vmw.500.0.0.472560
Mellanox	net-mlx4-core	1.9.9.0-1OEM.510.0.0.799733
Mellanox	net-mlx4-en	1.9.9.0-1OEM.510.0.0.799733
Lenovo	ilfu	510-1.01.20141015
Lenovo	concretejob	500-2ACE24DUS
Lenovo	filetrans	500-2ACE24DUS
Lenovo	fwupdate	500-2ACE24DUS
Lenovo	immpassthru	500-2ACE25AUS
IBM	hwckvm	500-ESXI04ACN
IBM	pciinfo	500-ESXI05ACN
IBM	soibms	500-ESXI04ACN
Lenovo	Invcustomization	5.1-3a
Lenovo	fupb	5.1-12.200

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Vendor	Provider/Driver	Version
IBM	fwupdate	550-3ACE02AUS
IBM	immpassthr	550-3ACE02AUS
IBM	concretejob	550-3ACE02AUS
IBM	filetrans	550-3ACE02AUS
IBM	hwckvm	550-ESXI05ACN
IBM	smbios	550-ESXI05ACN
IBM	pciinfo	550-ESXI05ACN
IBM	fupb	5.5-13D08A
Qlogic	Scsi-qla4xxx	634.55.26.0-1OEM.550.0.0.1198610
Qlogic	lma-qla4xxx	500.2.01.31-1vmw.0.3.040121
Qlogic	qlnativefc	1.1.14.0-1OEM.550.0.0.1198610
Qlogic	net-qlge	3.0.0.57-1vmw.550.0.0.1198611
Qlogic	net-qlcnic	5.5.177-1OEM.550.0.0.1198611
Brocade	Net-bna	3.2.3.0-1OEM.550.0.0.1198610
Brocade	Net-bfa	3.2.3.0-1OEM.550.0.0.1198610
Intel	net-igb	4.2.16.8-1OEM.550.0.0.1198611
Intel	net-ixgbe	3.15.1.8-1OEM.550.0.0.1198611
LSI	scsi-megaraid	6.600.61.00.1vmw-1OEM
IBM	ibmcustomization	4.0-1
IBM	lic	1.0-04

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Vendor	Provider/Driver	Version
IBM	fwupdate	500-2ACE17BUS
IBM	immpassthru	500-2ACE17CUS
IBM	concretejob	500-2ACE17BUS
IBM	filetrans	500-2ACE17BUS
IBM	hwckvm	500-ESXI04ACN
IBM	smbios	500-ESXI04ACN
IBM	pciinfo	500-ESXI05ACN
IBM	fupb	5-7.400
Emulex	emulex-cim-provider	3.8.15.1-01
Emulex	ima-be2iscsi	4.6.142.10-1OEM.510.0.0.802205
Emulex	net-be2net	4.6.142.10-1OEM.500.0.0.472560
Emulex	scsi-be2iscsi	4.6.142.2-1OEM.500.0.0.472629
Emulex	scsi-lpfc820	8.2.4.151.65-1OEM.500.0.0.472560
Brocade	brcdprovider	3.2.0.0-0
Brocade	net-bna	3.2.0.0-1OEM.500.0.0.472560
Brocade	scsi-bfa	3.2.0.0-1OEM.500.0.0.472560
Qlogic	provider-cna	1.4.4-469512
Qlogic	net-qlge	2.0.0.54-1vmw.500.0.0.472560
Qlogic	net-qlcnic	5.0.750-1OEM.500.0.0.472560
Qlogic	lma-qla4xxx	500.2.01.31-1vmw.0.0.060523
Qlogic	scsi-qla2xxx	934.5.6.0-1OEM.500.0.0.472560
Qlogic	scsi-qla4xxx	634.5.7.0-1OEM.500.0.0.472560
BRCM	Brcm	500.2.0.3-000000
BRCM	Misc-cnic-register	1.72.1.v50.2-1OEM.500.0.0.472560
BRCM	Net-bnx2	2.2.3e.v50.1-1OEM.500.0.0.472560
BRCM	Net-bnx2x	1.74.22.v50.1-1OEM.500.0.0.472560
BRCM	Net-cnic	1.74.04.v50.3-1OEM.500.0.0.472560
BRCM	Net-tg3	3.124c.v50.1-1OEM.500.0.0.472560
BRCM	Scsi-bnx2fc	1.74.02.v50.2-1OEM.500.0.0.406165
BRCM	Scsi-bnx2i	2.74.07.v50.1-1OEM.500.0.0.472560
LSI	Lsiprovider	500.04.V0.37-0008
LSI	Scsi-megaraid-sas	6.600.54.00.1vmw-1vmw.500.0.0.472560
LSI	Scsi-mpt3sas	01.255.100.00.1vmw-1OEM.500.0.0.472560
Intel	intel-cdmv2-provider	2.1-1.11
Intel	Net-igb	4.0.17-1OEM.500.0.0.472560
Intel	Net-ixgbe	3.14.3-1OEM.500.0.0.472560
Mellanox	net-mlx4-en	1.6.1.2-1OEM.500.0.0.406165
IBM	lifu	500-1.01.20130201
IBM	Brcmfwup	500-2.00.20130305
IBM	ibmcustomization	3.1-1
IBM	ibmlic-esx-license	1.0-04
IBM	lbpmpowercim	5.0-00ACN

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Vendor	Provider/Driver	Version
Broadcom	brcm	550.2.5.17-000000
Broadcom	misc-cnic-register	1.710.50.v55.1-1OEM.550.0.0.1331820
Broadcom	net-bnx2	2.2.5f.v55.8-1OEM.550.0.0.1331820
Broadcom	net-bnx2x	2.710.50.v55.2-1OEM.550.0.0.1331820
Broadcom	net-cnic	2.710.35.v55.5-1OEM.550.0.0.1331820
Broadcom	net-tg3	3.136h.v55.1-1OEM.550.0.0.1331820
Broadcom	scsi-bnx2fc	1.710.50.v55.2-1OEM.550.0.0.1331820
Broadcom	scsi-bnx2i	2.710.50.v55.1-1OEM.550.0.0.1331820
Broadcom	brcdprovider_esx55	3.2.4.0-0
Brocade	scsi-bfa	3.2.4.00401-1OEM.550.0.0.1331820
Brocade	net-bna	3.2.4.00401-1OEM.550.0.0.1331820
Intel	ianet-cimprovider	3.0.0.6-1
Intel	net-igb	5.2.5.-1OEM.550.0.0.1331820
Intel	net-ixgbe	3.21.4-1OEM.550.0.0.1331820
Emulex	emulex-cim-provider	10.2.348.18-01OEM.550.0.0.1331820
Emulex	ima-be2iscsi	10.2.250.0-1OEM.550.0.0.1331820
Emulex	elxnet	10.2.298.5-1OEM.550.0.0.1331820
Emulex	scsi-be2iscsi	10.2.250.0-1OEM.550.0.0.1331820
Emulex	lpfc	10.2.340.18-1OEM.550.0.0.1331820
Avago	lsiprovider	500.04.V0.50-0008
Avago	scsi-mpt3sas	05.00.00.00.1vmw-1OEM.550.0.0.1331820
Avago	scsi-mpt2sas	19.00.00.00.1vmw-1OEM.550.0.0.1331820
Avago	scsi-megaraid-sas	6.603.55.00-1OEM.550.0.0.1198610
Mellanox	mlnxprovider	2.0.0.0-1MLX.550.0.0.000726
Mellanox	net-mlx4-core	1.9.9.0-1OEM.550.0.0.1331820
Mellanox	net-mlx4-en	1.9.9.0-1OEM.550.0.0.1331820
Qlogic	qlogic-cna-provider	1.5.11-1045108
Qlogic	net-qlcnic	5.5.183-1OEM.550.0.0.1331820
Qlogic	net-qlge	3.0.0.58-1OEM.550.0.0.1331820
Qlogic	qlnativefc	1.1.14.0-1OEM.550.0.0.1198610
Qlogic	ima-qla4xxx	500.2.01.31-1vmw.0.3.100400
Qlogic	scsi-qla4xxx	634.55.28.0-1OEM.550.0.0.1331820
IBM	ilfu	550-1.01.20141015
IBM	concretejob	550-3ACE24CUS
IBM	filetrans	550-3ACE24CUS
IBM	fwupdate	550-3ACE24CUS
IBM	immipassthru	550-3ACE24CUS
IBM	hwckvm	550-ESXI08ACN
IBM	pciinfo	550- ESXI09ACN
IBM	soibms	550- ESXI08ACN
IBM	Invcustomization	5.5-2a
IBM	fupb	5.5-14D02A

Support

If you have a VMware support, contact VMware Global Support Services: <http://www.vmware.com/support>

If you have VMware support with IBM Global Services, contact: <http://www.ibm.com/contact/us/en/>

All previous IBM images will be supported by Lenovo. All new images and patch updates will be created using the Lenovo brand. Updating from an IBM branded customized OEM image to a Lenovo branded customized OEM image is supported.

Fixes and Updates

Customized Image Patch – Check for the latest update. Patches are system agnostic. You can download the patch from under any system under FixCentral.

Related Documentation

Refer to the following Web-based information for platform specific installation instructions:

IBM ToolsCenter Suite or **ToolsCenter for Lenovo x86 servers** – This collection of server management tools helps simplify the management of IBM System x, BladeCenter servers and Flex servers. ToolsCenter Suite provides 20 functions to collect system health information, system full information, configure system setting, update system firmware and drivers, and FoD mass activation key management. Among TCS features, FoD mass activation key management is the inventory, acquisition and installation FoD keys for multiple end points. All tasks can be done in a simple, unified web based single-user GUI. It is suitable for basic user with little knowledge, and advanced IT professional user.

IBM System x Upward Integration Modules for VMware vSphere - IBM System x Upward Integration Modules for VMware vSphere provides IT administrators with the ability to integrate the management features of the System x, Flex System and BladeCenter systems with VMware vCenter. IBM expands the virtualization management capabilities of VMware vCenter with IBM System x hardware management functionality, providing affordable foundational, basic management of physical and virtual environments to reduce the time and effort required for routine system administration. It provides the discovery, configuration, monitoring, event management, and power monitoring needed to reduce cost and complexity through server consolidation and simplified management.