

EMC Support Matrix
Interoperability Results
P/N 300-000-166
ECO 36106 Rev B30

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EMC's Policies and Requirements for EMC Support Matrix

EMC's Support Matrix Policies and Requirements

This section describes EMC's policies and requirements for the EMC Support Matrix document.

Purpose and Limitations of this Document

This document is being provided for informational purposes only and may change at any time. This version supercedes and replaces all previous versions. The information is to serve only as a guide for those configurations/products which EMC has qualified. This document identifies and lists various vendor host systems and integral components that have been tested and qualified by EMC for use with EMC products. Vendor components include, but are not limited to, host operating systems, HBAs (host bus adapters) and associated drivers, firmware and BIOS; Fibre Channel switches, hubs and bridges. This document also lists various vendors, cluster software, tape hardware, storage system boot procedures, heterogeneous information storage, and configurations that EMC has tested and/or qualified for use with EMC products.

The information included in this document is intended as a guide in the configuration of systems for EMC's products. It is not intended to be the sole resource for system configuration. For more information or answers to questions not found in this document, please see EMC's website, other EMC documentation, such as EMC's Host Connectivity Guides, EMC Networked Storage Topology Guide, EMC CLARiiON Open Systems Configuration Guide, relevant vendor documentation, or contact your EMC Sales or EMC Customer Service representative.

For Symmetrix 4.x support, please look at the Symmetrix 8000 Series section and check the footnotes for model/microcode compatibility. EMC employees can obtain older revisions of ESM containing more Symmetrix 4.x information from the Symmetrix Service Readiness group.

For a complete listing of any known issues with the current support matrix content, please review the ESM Errata on E-Lab Interoperability Navigator. To report any issues with the content contained within the support matrix, follow the steps documented on the Contacts link on E-Lab Interoperability Navigator. For E-Lab Interoperability Navigator access through Powerlink:

http://powerlink.emc.com/community/tools/index.jhtml?community_id=2&categoryId=esn_builder&categoryName=E-Lab+Navigator. For access through Avatar: <http://avatar.eng.emc.com/Avatar.asp>.

Policies for Qualifying Systems

Policies and procedures for support of EMC products are set forth in the customer's applicable agreements. EMC's publication of information relating to system configurations covers only those outlined in this document or by approval from EMC Engineering. Other system configurations not found in this document are not qualified without EMC Engineering approval. EMC has qualified hardware and software provided only by the vendors listed in this document, and host systems, hardware and software from other vendors are not qualified, and may never be. Please contact your EMC Sales or EMC Customer Service representative for updates or information not included in this document.

EMC maintains a large collection of the products listed above as well as third-party application software for qualification with EMC's storage systems and to simulate customer environments, but you must consult the vendors for information about their system internals, such as hardware and associated drivers.

Policy for Future Qualification of Operating System Software Releases

The information in this document is maintained by EMC and EMC strives to update this document with new releases of hardware, operating systems, firmware, BIOS, switch software, etc., as they become available from the vendors. EMC works with the vendors during their development and release processes in order to be fully informed at the time the vendors release new versions. EMC does not announce qualification prior to vendors' General Availability. In some cases, EMC may choose to perform regression testing following the vendors' GA; in these cases and in cases where advance preparation is not possible, EMC may test and qualify vendors' products as appropriate after they have been released. For early support of such products, including vendor beta participation, contact your EMC Sales or EMC Customer Service representative.

Policy for End-of-Life Support

EMC strives to continue support for any installed platforms, but may remove support from this host matrix for new installations within three months after the vendor has announced that this platform has reached the end of life. EMC will continue support for existing installations of hardware, operating systems, and components that the vendor has officially declared to have reached end of life as long as support is available from the vendor.

Your Selections:

Information Management Software	EMC SMI-S Provider 3.2, EMC SMI-S Provider 3.3, EMC SMI-S Provider 4.0, EMC SMI-S Provider 4.1
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Providers

No.	Information Management Software	Operating System	Software Enabler	Storage Array	Storage Operating Environment
1	EMC SMI-S Provider 3.2	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4	EMC Solutions Enabler 6.4	EMC: CLARiiON AX4-5, Celerra NX4 (FC)	EMC FLARE 02.23
2	EMC SMI-S Provider 3.2	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; SuSE SLES [32-Bit] 9 SP3; Sun Solaris: 10, 8, 9	EMC Solutions Enabler 6.4	EMC Symmetrix 8000 Series	EMC Engenuity: 5568.61.23, 5568.62.23, 5568.64.24, 5568.65.25, 5568.66.25, 5568.67.26, 5568.68.27, 5568.68.28
3	EMC SMI-S Provider 3.2	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; SuSE SLES [32-Bit] 9 SP3; Sun Solaris: 10, 8, 9	EMC Solutions Enabler 6.4	EMC Symmetrix DMX-3 ¹	EMC Engenuity 5771: .68.75, .81.90, .83.92, .86.95, .87.95
4	EMC SMI-S Provider 3.2	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; SuSE SLES [32-Bit] 9 SP3; Sun Solaris: 10, 8, 9	EMC Solutions Enabler 6.4	EMC Symmetrix DMX/DMX-2	EMC Engenuity: 5671.31.35, 5671.32.36, 5671.45.52, 5671.48.56, 5671.54.59
5	EMC SMI-S Provider 3.2	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit]: 3.9 AS/ES, 4.0 AS/ES, 4.0 U1 AS/ES, 4.0 U2 AS/ES, 4.0 U3 AS/ES, 4.0 U4 AS/ES, 4.5 AS/ES; SuSE SLES [32-Bit] 9 SP3; Sun Solaris: 10, 8, 9	EMC Solutions Enabler 6.4	EMC CLARiiON: AX100, AX100i, CX200, CX300, CX600/CX400, CX700/CX500	EMC FLARE 02.19
6	EMC SMI-S Provider 3.2	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit]: 3.9 AS/ES, 4.0 AS/ES, 4.0 U1 AS/ES, 4.0 U2 AS/ES, 4.0 U3 AS/ES, 4.0 U4 AS/ES, 4.5 AS/ES; SuSE SLES [32-Bit] 9 SP3; Sun Solaris: 10, 8, 9	EMC Solutions Enabler 6.4	EMC CLARiiON: CX3-10c, CX3-40c/CX3-20c, CX3-80/CX3-40(F)/CX3-20(F), CX300, CX700/CX500	EMC FLARE: 03.22, 03.24, 03.26
7	EMC SMI-S Provider 3.2	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit]: 3.9 AS/ES, 4.0 AS/ES, 4.0 U1 AS/ES, 4.0 U2 AS/ES, 4.0 U3 AS/ES, 4.0 U4 AS/ES, 4.5 AS/ES; SuSE SLES [32-Bit] 9 SP3; Sun Solaris: 10, 8, 9	EMC Solutions Enabler 6.4	EMC CLARiiON: CX300, CX700/CX500	EMC FLARE: 02.24, 02.26
8	EMC SMI-S Provider 3.3	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4	EMC Solutions Enabler 6.5	EMC: CLARiiON AX4-5, Celerra NX4 (FC)	EMC FLARE 02.23
9	EMC SMI-S Provider 3.3	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; SuSE SLES [32-Bit] 9 SP3; Sun Solaris: 10, 8, 9	EMC Solutions Enabler 6.5	EMC Symmetrix 8000 Series	EMC Engenuity: 5568.61.23, 5568.62.23, 5568.64.24, 5568.65.25, 5568.66.25, 5568.67.26, 5568.68.27, 5568.68.28
10	EMC SMI-S Provider 3.3	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; SuSE SLES [32-Bit] 9 SP3; Sun Solaris: 10, 8, 9	EMC Solutions Enabler 6.5	EMC Symmetrix DMX-3 ¹	EMC Engenuity 5771: .68.75, .81.90, .83.92, .86.95, .87.95
11	EMC SMI-S Provider 3.3	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; SuSE	EMC Solutions Enabler 6.5	EMC Symmetrix DMX/DMX-2	EMC Engenuity: 5671.31.35, 5671.32.36, 5671.45.52, 5671.48.56, 5671.54.59

Providers

		SLES [32-Bit] 9 SP3; Sun Solaris: 10, 8, 9			
12	EMC SMI-S Provider 3.3	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit]: 3.9 AS/ES, 4.0 AS/ES, 4.0 U1 AS/ES, 4.0 U2 AS/ES, 4.0 U3 AS/ES, 4.0 U4 AS/ES, 4.5 AS/ES; SuSE SLES [32-Bit] 9 SP3; Sun Solaris: 10, 8, 9	EMC Solutions Enabler 6.5	EMC CLARiiON: AX100, AX100i, CX200, CX300, CX600/CX400, CX700/CX500	EMC FLARE 02.19
13	EMC SMI-S Provider 3.3	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit]: 3.9 AS/ES, 4.0 AS/ES, 4.0 U1 AS/ES, 4.0 U2 AS/ES, 4.0 U3 AS/ES, 4.0 U4 AS/ES, 4.5 AS/ES; SuSE SLES [32-Bit] 9 SP3; Sun Solaris: 10, 8, 9	EMC Solutions Enabler 6.5	EMC CLARiiON: CX3-10c, CX3-40c/CX3-20c, CX3-80/CX3-40(F)/CX3-20(F), CX300, CX700/CX500	EMC FLARE: 03.22, 03.24, 03.26
14	EMC SMI-S Provider 3.3	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit]: 3.9 AS/ES, 4.0 AS/ES, 4.0 U1 AS/ES, 4.0 U2 AS/ES, 4.0 U3 AS/ES, 4.0 U4 AS/ES, 4.5 AS/ES; SuSE SLES [32-Bit] 9 SP3; Sun Solaris: 10, 8, 9	EMC Solutions Enabler 6.5	EMC CLARiiON: CX300, CX700/CX500	EMC FLARE: 02.24, 02.26
15	EMC SMI-S Provider 3.3	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit]: 3.9 AS/ES, 4.0 AS/ES, 4.0 U1 AS/ES, 4.0 U2 AS/ES, 4.0 U3 AS/ES, 4.0 U4 AS/ES, 4.5 AS/ES; SuSE SLES [32-Bit] 9 SP3; Sun Solaris: 10, 8, 9	EMC Solutions Enabler 6.5	EMC Symmetrix DMX-47	EMC Engenuity 5772: .85.77, .88.80; EMC Engenuity 5773: .123.83, .79.58
16	EMC SMI-S Provider 3.3	Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; SuSE SLES [32-Bit] 9 SP3; Sun Solaris: 10, 8, 9	EMC Solutions Enabler 6.5	EMC Symmetrix DMX-47	EMC Engenuity 5772 .83.75
17	EMC SMI-S Provider 4.0	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4	EMC Solutions Enabler 7.0	EMC: CLARiiON AX4-5, Celerra NX4 (FC)	EMC FLARE 02.23
18	EMC SMI-S Provider 4.0	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; SuSE SLES [32-Bit] 9 SP3	EMC Solutions Enabler 7.0	EMC Symmetrix DMX-31	EMC Engenuity 5771: .68.75, .81.90, .83.92, .86.95, .87.95
19	EMC SMI-S Provider 4.0	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; SuSE SLES [32-Bit] 9 SP3	EMC Solutions Enabler 7.0	EMC Symmetrix DMX/DMX-2	EMC Engenuity: 5671 .31.35, 5671.32.36, 5671.45.52, 5671.48.56, 5671.54.59
20	EMC SMI-S Provider 4.0	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit]: 3.9 AS/ES, 4.0 AS/ES, 4.0 U1 AS/ES, 4.0 U2 AS/ES, 4.0 U3 AS/ES, 4.0 U4 AS/ES, 4.5 AS/ES; SuSE SLES [32-Bit] 9 SP3	EMC Solutions Enabler 7.0	EMC CLARiiON: AX100, AX100i, CX200, CX300, CX600/CX400, CX700/CX500	EMC FLARE 02.19
21	EMC SMI-S Provider 4.0	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit]: 3.9 AS/ES, 4.0 AS/ES, 4.0 U1 AS/ES, 4.0 U2 AS/ES, 4.0 U3 AS/ES, 4.0 U4 AS/ES, 4.5 AS/ES; SuSE SLES [32-Bit] 9 SP3	EMC Solutions Enabler 7.0	EMC CLARiiON: CX3-10c, CX3-40c/CX3-20c, CX3-80/CX3-40(F)/CX3-20(F), CX300, CX700/CX500	EMC FLARE: 03.22, 03.24, 03.26
22	EMC SMI-S Provider 4.0	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit]: 3.9 AS/ES, 4.0 AS/ES, 4.0 U1 AS/ES, 4.0 U2 AS/ES, 4.0 U3 AS/ES, 4.0 U4 AS/ES, 4.5 AS/ES; SuSE SLES [32-Bit] 9 SP3	EMC Solutions Enabler 7.0	EMC CLARiiON: CX300, CX700/CX500	EMC FLARE: 02.24, 02.26
23	EMC SMI-S Provider 4.0	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit]: 3.9 AS/ES, 4.0 AS/ES, 4.0 U1 AS/ES, 4.0 U2 AS/ES, 4.0 U3 AS/ES, 4.0 U4 AS/ES, 4.5 AS/ES; SuSE SLES [32-Bit] 9 SP3	EMC Solutions Enabler 7.0	EMC Symmetrix DMX-47	EMC Engenuity 5772: .85.77, .88.80; EMC Engenuity 5773: .123.83, .79.58

Providers

24	EMC SMI-S Provider 4.0	Microsoft Windows 2000: Advanced Server SP4, Datacenter SP4, Server SP4; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit]: 3.9 AS/ES, 4.0 AS/ES, 4.0 U1 AS/ES, 4.0 U2 AS/ES, 4.0 U3 AS/ES, 4.0 U4 AS/ES, 4.5 AS/ES; SuSE SLES [32-Bit] 9 SP3	EMC Solutions Enabler 7.0	EMC Symmetrix V-Max	EMC Engenuity 5874 .121.102
25	EMC SMI-S Provider 4.0	Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; SuSE SLES [32-Bit] 9 SP3	EMC Solutions Enabler 7.0	EMC Symmetrix DMX-47	EMC Engenuity 5772 .83.75
26	EMC SMI-S Provider 4.1	Microsoft Windows 2003 [x64] Enterprise Edition: R2 SP2, SP2; Microsoft Windows 2003 [x64] Standard Edition: R2 SP2, SP2; Microsoft Windows 2003 [x86] Enterprise Edition: R2 SP2, SP2; Microsoft Windows 2003 [x86] Standard Edition: R2 SP2, SP2; Microsoft Windows 2008 R2 [x64]: Enterprise Edition, Standard Edition; Microsoft Windows 2008 [x64] Enterprise: Edition, Edition SP2; Microsoft Windows 2008 [x64] Standard: Edition, Edition SP2; Microsoft Windows 2008 [x86]: Enterprise Edition, Standard Edition, Standard Edition SP2; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; Red Hat RHEL: [32-Bit] 5.0, [IA64] 4.0 AS/ES, [IA64] 4.0 U1 AS/ES, [IA64] 4.0 U2 AS/ES, [IA64] 4.0 U3 AS/ES, [IA64] 4.0 U4 AS/ES, [IA64] 5.0, [x86_64] 4.0 AS/ES, [x86_64] 4.0 U1 AS/ES, [x86_64] 4.0 U2 AS/ES, [x86_64] 4.0 U3 AS/ES, [x86_64] 4.0 U4 AS/ES, [x86_64] 5.0; SuSE SLES [32-Bit]: 10, 10 SP1, 10 SP2, 10 SP3, 9 SP3; SuSE SLES [IA64]: 10, 10 SP1, 10 SP2, 10 SP3; SuSE SLES [x86_64]: 10, 10 SP1, 10 SP2, 10 SP3	EMC Solutions Enabler 7.1	EMC Symmetrix DMX-31	EMC Engenuity 5771: .100.108, .104.114, .105.115, .111.119, .112.120, .68.75, .81.90, .83.92, .86.95, .87.95, .91.99, .92.99, .94.102, .95.103, .99.108; EMC Engenuity 5772: .100.91, .101.91, .103.93, .104.93, .55.51, .59.53, .85.77, .88.80, .91.83, .92.83, .92.84, .97.88; EMC Engenuity 5773: .123.83, .130.90, .134.94, .138.96, .141.98, .79.58
27	EMC SMI-S Provider 4.1	Microsoft Windows 2003 [x64] Enterprise Edition: R2 SP2, SP2; Microsoft Windows 2003 [x64] Standard Edition: R2 SP2, SP2; Microsoft Windows 2003 [x86] Enterprise Edition: R2 SP2, SP2; Microsoft Windows 2003 [x86] Standard Edition: R2 SP2, SP2; Microsoft Windows 2008 R2 [x64]: Enterprise Edition, Standard Edition; Microsoft Windows 2008 [x64] Enterprise: Edition, Edition SP2; Microsoft Windows 2008 [x64] Standard: Edition, Edition SP2; Microsoft Windows 2008 [x86]: Enterprise Edition, Standard Edition, Standard Edition SP2; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; Red Hat RHEL: [32-Bit] 5.0, [IA64] 4.0 AS/ES, [IA64] 4.0 U1 AS/ES, [IA64] 4.0 U2 AS/ES, [IA64] 4.0 U3 AS/ES, [IA64] 4.0 U4 AS/ES, [IA64] 5.0, [x86_64] 4.0 AS/ES, [x86_64] 4.0 U1 AS/ES, [x86_64] 4.0 U2 AS/ES, [x86_64] 4.0 U3 AS/ES, [x86_64] 4.0 U4 AS/ES, [x86_64] 5.0; SuSE SLES [32-Bit]: 10, 10 SP1, 10 SP2, 10 SP3, 9 SP3; SuSE SLES [IA64]: 10, 10 SP1, 10 SP2, 10 SP3; SuSE SLES [x86_64]: 10, 10 SP1, 10 SP2, 10 SP3	EMC Solutions Enabler 7.1	EMC Symmetrix DMX/DMX-2	EMC Engenuity 5671: .31.35, .58.64, .68.71, .74.75, .75.75, .80.77; EMC Engenuity: 5671.32.36, 5671.45.52, 5671.48.56, 5671.54.59, 5671.55.60, 5671.59.64, 5671.65.69, 5671.69.71
28	EMC SMI-S Provider 4.1	Microsoft Windows 2003 [x64] Enterprise Edition: R2 SP2, SP2; Microsoft Windows 2003 [x64] Standard Edition: R2 SP2, SP2; Microsoft Windows 2003 [x86] Enterprise Edition: R2 SP2, SP2; Microsoft Windows 2003 [x86] Standard Edition: R2 SP2, SP2; Microsoft Windows 2008 R2 [x64]: Enterprise Edition, Standard Edition; Microsoft Windows 2008 [x64] Enterprise: Edition, Edition SP2; Microsoft Windows 2008 [x64] Standard: Edition, Edition SP2; Microsoft Windows 2008 [x86]: Enterprise Edition, Standard Edition, Standard Edition SP2; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; Red Hat RHEL: [32-Bit] 5.0, [IA64] 4.0 AS/ES, [IA64] 4.0 U1 AS/ES,	EMC Solutions Enabler 7.1	EMC Symmetrix: DMX-31, DMX-47	EMC Engenuity 5772 .83.75

Providers

		[IA64] 4.0 U2 AS/ES, [IA64] 4.0 U3 AS/ES, [IA64] 4.0 U4 AS/ES, [IA64] 5.0, [x86_64] 4.0 AS/ES, [x86_64] 4.0 U1 AS/ES, [x86_64] 4.0 U2 AS/ES, [x86_64] 4.0 U3 AS/ES, [x86_64] 4.0 U4 AS/ES, [x86_64] 5.0; SuSE SLES [32-Bit]: 10, 10 SP1, 10 SP2, 10 SP3, 9 SP3; SuSE SLES [IA64]: 10, 10 SP1, 10 SP2, 10 SP3; SuSE SLES [x86_64]: 10, 10 SP1, 10 SP2, 10 SP3			
29	EMC SMI-S Provider 4.1	Microsoft Windows 2003 [x64] Enterprise Edition: R2 SP2, SP2; Microsoft Windows 2003 [x64] Standard Edition: R2 SP2, SP2; Microsoft Windows 2003 [x86] Enterprise Edition: R2 SP2, SP2; Microsoft Windows 2003 [x86] Standard Edition: R2 SP2, SP2; Microsoft Windows 2008 R2 [x64]: Enterprise Edition, Standard Edition; Microsoft Windows 2008 [x64] Enterprise: Edition, Edition SP2; Microsoft Windows 2008 [x64] Standard: Edition, Edition SP2; Microsoft Windows 2008 [x86]: Enterprise Edition, Standard Edition, Standard Edition SP2; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit]: 3.9 AS/ES, 4.0 AS/ES, 4.0 U1 AS/ES, 4.0 U2 AS/ES, 4.0 U3 AS/ES, 4.0 U4 AS/ES, 4.5 AS/ES, 5.0; Red Hat RHEL [IA64] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; Red Hat RHEL: [IA64] 5.0, [x86_64] 4.0 AS/ES, [x86_64] 4.0 U1 AS/ES, [x86_64] 4.0 U2 AS/ES, [x86_64] 4.0 U3 AS/ES, [x86_64] 4.0 U4 AS/ES, [x86_64] 5.0; SuSE SLES [32-Bit]: 10, 10 SP1, 10 SP2, 10 SP3, 9 SP3; SuSE SLES [IA64]: 10, 10 SP1, 10 SP2, 10 SP3; SuSE SLES [x86_64]: 10, 10 SP1, 10 SP2, 10 SP3	EMC Solutions Enabler 7.1	EMC CLARiiON: AX100, AX100i, CX200, CX300, CX600/CX400, CX700/CX500	EMC FLARE 02.19
30	EMC SMI-S Provider 4.1	Microsoft Windows 2003 [x64] Enterprise Edition: R2 SP2, SP2; Microsoft Windows 2003 [x64] Standard Edition: R2 SP2, SP2; Microsoft Windows 2003 [x86] Enterprise Edition: R2 SP2, SP2; Microsoft Windows 2003 [x86] Standard Edition: R2 SP2, SP2; Microsoft Windows 2008 R2 [x64]: Enterprise Edition, Standard Edition; Microsoft Windows 2008 [x64] Enterprise: Edition, Edition SP2; Microsoft Windows 2008 [x64] Standard: Edition, Edition SP2; Microsoft Windows 2008 [x86]: Enterprise Edition, Standard Edition, Standard Edition SP2; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit]: 3.9 AS/ES, 4.0 AS/ES, 4.0 U1 AS/ES, 4.0 U2 AS/ES, 4.0 U3 AS/ES, 4.0 U4 AS/ES, 4.5 AS/ES, 5.0; Red Hat RHEL [IA64] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; Red Hat RHEL: [IA64] 5.0, [x86_64] 4.0 AS/ES, [x86_64] 4.0 U1 AS/ES, [x86_64] 4.0 U2 AS/ES, [x86_64] 4.0 U3 AS/ES, [x86_64] 4.0 U4 AS/ES, [x86_64] 5.0; SuSE SLES [32-Bit]: 10, 10 SP1, 10 SP2, 10 SP3, 9 SP3; SuSE SLES [IA64]: 10, 10 SP1, 10 SP2, 10 SP3; SuSE SLES [x86_64]: 10, 10 SP1, 10 SP2, 10 SP3	EMC Solutions Enabler 7.1	EMC CLARiiON: CX3-10c, CX3-40c/CX3-20c, CX3-80/CX3-40(F)/CX3-20(F), CX300, CX700/CX500	EMC FLARE: 03.22, 03.24, 03.26
31	EMC SMI-S Provider 4.1	Microsoft Windows 2003 [x64] Enterprise Edition: R2 SP2, SP2; Microsoft Windows 2003 [x64] Standard Edition: R2 SP2, SP2; Microsoft Windows 2003 [x86] Enterprise Edition: R2 SP2, SP2; Microsoft Windows 2003 [x86] Standard Edition: R2 SP2, SP2; Microsoft Windows 2008 R2 [x64]: Enterprise Edition, Standard Edition; Microsoft Windows 2008 [x64] Enterprise: Edition, Edition SP2; Microsoft Windows 2008 [x64] Standard: Edition, Edition SP2; Microsoft Windows 2008 [x86]: Enterprise Edition, Standard Edition, Standard Edition SP2; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit]: 3.9 AS/ES, 4.0 AS/ES, 4.0 U1 AS/ES, 4.0 U2 AS/ES, 4.0 U3 AS/ES, 4.0 U4 AS/ES, 4.5 AS/ES, 5.0; Red Hat RHEL [IA64] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; Red Hat RHEL: [IA64] 5.0, [x86_64] 4.0 AS/ES, [x86_64] 4.0 U1 AS/ES, [x86_64] 4.0 U2 AS/ES,	EMC Solutions Enabler 7.1	EMC CLARiiON: CX300, CX700/CX500	EMC FLARE: 02.24, 02.26

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		[x86_64] 4.0 U3 AS/ES, [x86_64] 4.0 U4 AS/ES, [x86_64] 5.0; SuSE SLES [32-Bit]: 10, 10 SP1, 10 SP2, 10 SP3, 9 SP3; SuSE SLES [IA64]: 10, 10 SP1, 10 SP2, 10 SP3; SuSE SLES [x86_64]: 10, 10 SP1, 10 SP2, 10 SP3			
32	EMC SMI-S Provider 4.1	Microsoft Windows 2003 [x64] Enterprise Edition: R2 SP2, SP2; Microsoft Windows 2003 [x64] Standard Edition: R2 SP2, SP2; Microsoft Windows 2003 [x86] Enterprise Edition: R2 SP2, SP2; Microsoft Windows 2003 [x86] Standard Edition: R2 SP2, SP2; Microsoft Windows 2008 R2 [x64]: Enterprise Edition, Standard Edition; Microsoft Windows 2008 [x64] Enterprise: Edition, Edition SP2; Microsoft Windows 2008 [x64] Standard: Edition, Edition SP2; Microsoft Windows 2008 [x86]: Enterprise Edition, Standard Edition, Standard Edition SP2; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit]: 3.9 AS/ES, 4.0 AS/ES, 4.0 U1 AS/ES, 4.0 U2 AS/ES, 4.0 U3 AS/ES, 4.0 U4 AS/ES, 4.5 AS/ES, 5.0; Red Hat RHEL [IA64] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; Red Hat RHEL: [IA64] 5.0, [x86_64] 4.0 AS/ES, [x86_64] 4.0 U1 AS/ES, [x86_64] 4.0 U2 AS/ES, [x86_64] 4.0 U3 AS/ES, [x86_64] 4.0 U4 AS/ES, [x86_64] 5.0; SuSE SLES [32-Bit]: 10, 10 SP1, 10 SP2, 10 SP3, 9 SP3; SuSE SLES [IA64]: 10, 10 SP1, 10 SP2, 10 SP3; SuSE SLES [x86_64]: 10, 10 SP1, 10 SP2, 10 SP3	EMC Solutions Enabler 7.1	EMC CLARiiON: CX4-120/CX4-240/CX4-480/CX4-960, CX4-120C8/CX4-240C8/CX4-480C8/CX4-960C8 ^{5, 6} , CX4-120C8X/CX4-240C8X/CX4-480C8X/CX4-960C8X ^{2, 3}	EMC FLARE: 04.28 ⁴ , 04.29
33	EMC SMI-S Provider 4.1	Microsoft Windows 2003 [x64] Enterprise Edition: R2 SP2, SP2; Microsoft Windows 2003 [x64] Standard Edition: R2 SP2, SP2; Microsoft Windows 2003 [x86] Enterprise Edition: R2 SP2, SP2; Microsoft Windows 2003 [x86] Standard Edition: R2 SP2, SP2; Microsoft Windows 2008 R2 [x64]: Enterprise Edition, Standard Edition; Microsoft Windows 2008 [x64] Enterprise: Edition, Edition SP2; Microsoft Windows 2008 [x64] Standard: Edition, Edition SP2; Microsoft Windows 2008 [x86]: Enterprise Edition, Standard Edition, Standard Edition SP2; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit]: 3.9 AS/ES, 4.0 AS/ES, 4.0 U1 AS/ES, 4.0 U2 AS/ES, 4.0 U3 AS/ES, 4.0 U4 AS/ES, 4.5 AS/ES, 5.0; Red Hat RHEL [IA64] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; Red Hat RHEL: [IA64] 5.0, [x86_64] 4.0 AS/ES, [x86_64] 4.0 U1 AS/ES, [x86_64] 4.0 U2 AS/ES, [x86_64] 4.0 U3 AS/ES, [x86_64] 4.0 U4 AS/ES, [x86_64] 5.0; SuSE SLES [32-Bit]: 10, 10 SP1, 10 SP2, 10 SP3, 9 SP3; SuSE SLES [IA64]: 10, 10 SP1, 10 SP2, 10 SP3; SuSE SLES [x86_64]: 10, 10 SP1, 10 SP2, 10 SP3	EMC Solutions Enabler 7.1	EMC Symmetrix DMX-4 ⁷	EMC Engenuity 5772: .100.91, .101.91, .103.93, .104.93, .85.77, .88.80, .91.83, .92.83, .92.84, .97.88; EMC Engenuity 5773: .123.83, .130.90, .134.94, .138.96, .141.98, .79.58
34	EMC SMI-S Provider 4.1	Microsoft Windows 2003 [x64] Enterprise Edition: R2 SP2, SP2; Microsoft Windows 2003 [x64] Standard Edition: R2 SP2, SP2; Microsoft Windows 2003 [x86] Enterprise Edition: R2 SP2, SP2; Microsoft Windows 2003 [x86] Standard Edition: R2 SP2, SP2; Microsoft Windows 2008 R2 [x64]: Enterprise Edition, Standard Edition; Microsoft Windows 2008 [x64] Enterprise: Edition, Edition SP2; Microsoft Windows 2008 [x64] Standard: Edition, Edition SP2; Microsoft Windows 2008 [x86]: Enterprise Edition, Standard Edition, Standard Edition SP2; Red Hat RHEL [32-Bit] 3.0: U7 AS/ES, U8 AS/ES; Red Hat RHEL [32-Bit]: 3.9 AS/ES, 4.0 AS/ES, 4.0 U1 AS/ES, 4.0 U2 AS/ES, 4.0 U3 AS/ES, 4.0 U4 AS/ES, 4.5 AS/ES, 5.0; Red Hat RHEL [IA64] 4.0: AS/ES, U1 AS/ES, U2 AS/ES, U3 AS/ES, U4 AS/ES; Red Hat RHEL: [IA64] 5.0, [x86_64] 4.0 AS/ES, [x86_64] 4.0 U1 AS/ES, [x86_64] 4.0 U2 AS/ES, [x86_64] 4.0 U3 AS/ES, [x86_64] 4.0 U4 AS/ES, [x86_64] 5.0; SuSE SLES [32-Bit]: 10, 10 SP1, 10 SP2, 10 SP3, 9 SP3; SuSE SLES [IA64]: 10, 10 SP1, 10 SP2, 10 SP3	EMC Solutions Enabler 7.1	EMC Symmetrix V-Max	EMC Engenuity 5874: .121.102, .122.103, .123.104, .157.129, .207.166

Providers

	SP2, 10 SP3; SuSE SLES [x86_64]: 10, 10 SP1, 10 SP2, 10 SP3		
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1. DMX-3 is compatible with all Enginuity 5771, 5772 and 5773 codes. Please refer to the Enginuity release note for the limitations of the features.
2. **CX4-120C8X/CX4-240C8X/CX4-480C8X/CX4-960C8X requires minimum Flare revision 04.29.000.5.001 or greater.**
3. CX4-120C8X/CX4-240C8X/CX4-480C8X/CX4-960C8X does not support Fibre Channel connection at 1Gb/s.
4. Virtual Provisioning is supported with FLARE 04.28.000.5.501 and above, and the installation of the VirtualProvisioning enabler.
5. **CX4-120C8/CX4-240C8/CX4-480C8/CX4-960C8 does not support Fibre Channel connection at 1Gb/s.**
6. CX4-120C8/CX4-240C8/CX4-480C8/CX4-960C8 requires minimum Flare revision 04.28.000.5.701 or greater.
7. DMX-4 is compatible with Enginuity 5772.83.75 codes or later. DMX-4 is also compatible with all 5773 codes

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