

ORACLE SOLARIS CLUSTER INTEROPERABILITY MATRIX

EMC Symmetrix	
Storage Supported ^{2,8,9}	Symmetrix DMX-2 , DMX-3, DMX-4 Symmetrix VMAX, VMAXe, VMAX 10K (SN XXX959XXXX / SN XXX987XXXX) VMAX 20K, VMAX 40K, VMAX 100K, VMAX 200K, VMAX 400K, VMAX 250F, VMAX 250FX, VMAX 450F, VMAX 450FX, VMAX 850F, VMAX 850FX, VMAX 950F, VMAX 950FX, PowerMax 2000, PowerMax 8000
SPARC	
Oracle Servers ¹	Sun Enterprise: T2000 (sysfw 6.7.11 or later required), T5120, T5140, T5240, T5440 SPARC Enterprise: M3000, M4000, M5000, M8000, M9000 SPARC T-Series: T3-1, T3-1B, T3-2, T3-4, T4-1, T4-1B, T4-2, T4-4 Sun Netra: T5220, T5440, T3-1, T3-1BA, T4-1, T4-1B, T4-2 SPARC: T5-1B, T5-2, T5-4, T5-8, M5-32, M6-32, T7-1, T7-2, T7-4, M7-8, M7-16, S7-2, S7-2L, T8-1, T8-2, T8-4, M8-8 Fujitsu M10: M10-1, M10-4, M10-4S
Oracle Solaris Operating system	Oracle Solaris 11, 11.1, 11.2, 11.3. 11.4 ¹¹
Oracle Solaris Cluster Software ^{4,5,6,7,8,9}	OSC 4.0, 4.1, 4.2, 4.3, 4.4
Maximum Number Of Nodes	6
Multi-Path Driver- Oracle Solaris	Oracle SAN driver bundled in OS for Oracle Solaris 11 releases
Multi-Path Driver – EMC Option	EMC PowerPath 5.5 P06, 6.0-6.0 P02

Host Adapters	<p>SG-XPCI1FC-EM2, SG-XPCI2FC-EM2, SG-XPCI1FC-EM4-Z, SG-XPCI2FC-EM4-Z SG-XPCI1FC-QL2, SG-XPCI1FC-QF2, SG-XPCI2FC-QF2, SG-XPCI2FC-QF2-Z, SG-XPCI1FC-QF4, SG-XPCI2FC-QF4</p> <p>SG-XPCIE1FC-EM4, SG-XPCIE2FC-EM4, SG-XPCIE1FC-QF4, SG-XPCIE2FC-QF4 SG-XPCIE2FC-EB4-Z, SG-XPCIE2FC-EB4-N, SG-XPCIE2FC-QB4-Z</p> <p>SG-XPCIE1FC-QF8-Z, SG-XPCIE1FC-EM8-Z, SG-XPCIE2FC-QF8-Z, SG-XPCIE2FC-EM8-Z SG-XPCIE1FC-QF8-N, SG-XPCIE1FC-EM8-N, SG-XPCIE2FC-QF8-N, SG-XPCIE2FC-EM8-N</p> <p>SG-XPCIEFCGBE-Q8-Z, SG-XPCIEFCGBE-Q8-N, SG-XPCIEFCGBE-E8-Z, SG-XPCIEFCGBE-E8-N 16 Gb HBAs¹⁰: 7101674, 7101682, 7101684, 7101690 "Native" HBAs supported³: Qlogic, Emulex</p>
SAN Switches	<p>For supported switches, please refer to EMC's interoperability matrix at https://elabnavigator.emc.com/ You may also refer to http://www.oracle.com/us/products/servers-storage/storage/storage-networking/index.htm for Oracle supported switches. Unless an exception is explicitly called out, any FC SAN switch can be used with Solaris Cluster.</p>
X86 (64 bit)	
Oracle Servers¹ X86	<p>Sun Fire: x4170M2, x4270M2, x4470, x4470M2, x4800, x4800M2, X3-2, X3-2L, X4-2, X4-2L, X4-4, X4-8, X5-2, X5-2L, X5-4, X6-2, X6-2L</p> <p>Sun Blade: x6270M2, X4-2B</p> <p>Sun Netra: x4250, x6270M2, X3-2, X5-2</p>
Oracle Solaris Operating system	Oracle Solaris 11, 11.1, 11.2, 11.3, 11.4
Oracle Solaris Cluster Software^{4,5,6,7,8}	OSC 4.0, 4.1, 4.2, 4.3, 4.4
Maximum Number Of Nodes	4
Multi-Path Driver – Oracle Solaris	Oracle SAN driver bundled in OS for Oracle Solaris 11 releases
Multi-Path Driver – EMC Option	EMC PowerPath 5.5 P06, 6.0-6.0 P02
Host Adapters	<p>SG-XPCIE1FC-EM8-Z, SG-XPCIE1FC-QF8-Z, SG-XPCIE1FC-EM8-N, SG-XPCIE1FC-QF8-N SG-XPCIE2FC-EM8-Z, SG-XPCIE2FC-QF8-Z, SG-XPCIE2FC-EM8-N, SG-XPCIE2FC-QF8-N</p>

	<p>SG-XPCI2FC-EM4, SG-XPCI2FC-EM4-Z, SG-XPCI2FC-QF4SG-XPCIE2FC-EM4, SG-XPCIE2FC-QF4 SG-XPCIEFCGBE-E8-Z, SG-XPCIEFCGBE-Q8-Z 16 Gb HBAs¹⁰: 7101674, 7101682, 7101684, 7101690 "Native" HBAs supported³: Qlogic, Emulex</p>
<p>SAN Switches</p>	<p>For supported switches, please refer to EMC's interoperability matrix at https://elabnavigator.emc.com/ You may also refer to http://www.oracle.com/us/products/servers-storage/storage-networking/index.htm for Oracle supported switches. Unless an exception is explicitly called out, any FC SAN switch can be used with Solaris Cluster.</p>
<ol style="list-style-type: none"> 1. Go to My Oracle Support (MOS) or http://myoraclesupport.com for minimum supported Oracle Solaris operating environment versions, HBAs, patches and other supported options for list servers. This matrix is intended to be a high level overview of support. It is not a configuration guide. 2. Please refer to EMC's interoperability matrix at: https://elabnavigator.emc.com/ for specific configurations, min microcode versions, Volume Manager support, notes and any restrictions. 3. "Native" HBAs supported by Oracle Solaris: Non-Sun HBAs require that Sun drivers be utilized. See partner handbook for more info (a support account is required), if needed: https://support.oracle.com/handbook_partner/index.html 4. QFS 5.3 supported. 5. EMC supports ZFS in an Oracle Solaris Cluster environment. 6. Before you use the create subcommand, ensure that the /etc/netmasks file has IP-address subnet and netmask entries for all logical hostnames. If necessary, edit the /etc/netmasks file to add any missing entries. 7. For all OSC 4.x configurations where TimeFinder or SRDF are used, please refer to the white paper, "Integration of EMC SRDF and TimeFinder with Oracle Solaris Cluster" on EMC's Avatar and PowerLink sites. 8. EMC SRDF is supported with geographic disaster recovery (DR) and campus configurations. For specific support parameters, go to the OSC4.x Compatibility Guide: https://docs.oracle.com/cd/E69294_01/pdf/E87540.pdf Reference documentation: Campus Cluster Data Replication: http://docs.oracle.com/cd/E56676_01/html/E56680/gfltm.html Geo Edition: http://docs.oracle.com/cd/E56676_01/html/E39668/index.html 9. EMC SRDF is supported in Oracle VM server for SPARC I/O domain deployments. However, SRDF is not supported in a guest domain where EMC devices are accessed via virtual disks. EMC's virtualization table, "Virtualization Hosting Server (Parent) Solutions," clarifying support can be found by going to EMC's e-lab navigator link: https://elabnavigator.emc.com/ 10. 16 Gb HBAs are supported in specific OSC and Solaris releases with a very specific set of servers. Please consult MOS for details. Helpful link: http://www.oracle.com/technetwork/documentation/oracle-storage-networking-190061.html 11. Some legacy SPARC servers do not support Oracle Solaris 11.4. See the following link for details. https://www.oracle.com/technetwork/systems/end-of-notices/eonsolaris11-392732.html#11.4 	

Contact Us

For more information about Oracle Solaris Cluster, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

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