

Sun Fire(tm) 15K/12K Software Compatibility Matrix

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Sun Fire™ 15K/12K Software Compatibility Matrix

<i>Feature</i>	<i>Status</i>	<i>Notes/Reference (URL)</i>
Operating Environment		
Solaris O.E. for Domains	Yes. Both S8 2/02 or 10/01 are currently supported. DR requires S8 2/02 and patches.	Solaris 8 10/01 is the minimum requirement for use in a Sun Fire 15K/12K domain
Solaris O.E. for System Controller	Yes. Both S8 2/02 or 10/01 are currently supported.	Solaris 8 10/01 is the minimum requirement to run either SMS 1.1 or 1.2
Solaris 7 or 2.6 as the Operating Environment for a Sun Fire 15K/12K domain	Not Supported.	Solaris 8 10/01 is the minimum requirement
Dynamic Reconfiguration (DR) & Dynamic Systems Domain		
Up to 18 Domains but without DR capability	Now.	You may still use S8 10/01 for domains, if DR is NOT needed.
CPU/Memory board DR (Slot 0 DR). Concurrent DR. No DR of I/O Assemblies or MaxCPU boards.	Now.	Domain O.E. must be S8 2/02 and have mandatory patches applied. You must also upgrade SMS 1.1 to SMS 1.2 plus patches. See URL: http://www.sun.com/servers/sw
Concurrent DR	Now.	See notes on CPU/Memory board DR status above.
Automated Dynamic Reconfiguration (Global DR or Platform-wide DR)	Now.	See notes on CPU/Memory board DR status above.
RCM Support	Now.	See notes on CPU/Memory board DR status above.
Hot swap of hsPCI cards	Now. Has been available since day one.	Please use IPMP (for networks) or Sun(tm) StorEdge Traffic Manager Software (for disk I/O) to setup multipathing solutions which provide continuous service availability when one hsPCI card becomes unavailable.
DR of hsPCI assemblies and MaxCPU boards	Planned. Delivery date is to be determined (TBD)	Can hot plug them now. However, in order to activate hsPCI assemblies or Max CPU boards into a domain after hot plug requires a reboot since DR is not yet ready for them.
MultiPathing Solutions *		
Alternate Pathing (AP)	Not supported.	Other multi-pathing technologies available in Solaris 8 that are the long-term strategic solutions: IPMP and MPxIO
IP Multipathing (IPMP)	Yes. IPMP is part of S8 10/01.	IPMP supports automatic network path failover.
Sun StorEdge(TM) Traffic Manager Software (STMS or MPxIO)	Yes.	If VxVM DMP is in use, use VxVM 3.2 to gain DMP/MPxIO co-existence support.
Sun StorEdge Traffic Manager and VxVM DMP co-existence	Yes. But only with VxVM 3.2	
* Note: Please check the compatibility between software and hardware with the Sun Fire 15K/12K I/O compatibility matrix at URL: http://systems.corp/products/servers/docs/SF_Highend_IO_Support_Matrices_latest.pdf		

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Sun Cluster Support

Sun Cluster 2.2 support	Not Supported.	
Sun Cluster 3.0 without DR	Now. But initially only two-node HA cluster configuration is supported.	
Sun Cluster 3.0 with DR	Now.	Must use Sun Cluster 3.0 Update 2 or above.
Sun Cluster 3.0 with VxVM 3.1.1	Now	
Sun Cluster 3.0 with VxVM 3.2	Now.	
Sun Cluster DR support	Now.	Must use Sun Cluster 3.0 Update 2 or above.

Sun Management Center

Sun Management Center 3.0	Now.	Sun Management Center 3.0 is the first release to support Sun Fire 15K.
SunMC 3.0 Premier Management	Now.	
SunMC 3.0 System Reliability Manager	Now.	
Sun Management Center 2.1 or 2.1.1	Not Supported.	
SunMC 3.0 support to System Management Services 1.2 (SMS 1.2)	Available upon the release of S8 2/02. SunMC 3.0 PU4 is required.	Please update SunMC to PU4 before using SMS 1.2

SRM & SBM

Solaris Resource Manager 1.2	Now.	
Solaris Bandwidth Manager 1.6	Now.	

System Controller and System Management Services

SC disk Mirroring and Tape Backup	Now.	
SC and control board failover	Now.	
System Management Services 1.1 (SMS 1.1)	Now.	No unique marketing parts number for ordering. Will use Solaris 8 10/01 parts number. Details please see SMS 1.1 Product Intro.
System Management Services 1.2 (SMS 1.2)	Now. It is on the supplement CD of Solaris 8 2/02. SMS 1.2 is required for DR support.	Must update SunMC 3.0 to PU4 level if SunMC is in use. No unique marketing part number for ordering. Use Solaris 8 2/02 part number.
Running light-weight software on SC	Allowed, if the aggregate load of all software packages introduced onto SC are within the limits stipulated in the OpenSC white paper.	OpenSC white paper can be found at: http://sunwww.central/servers/wp/docs/opensc.pdf

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Sun Remote Service 2.2 (SRS 2.2)	Now	Requires SunMC 3.0
Capacity On Demand (COD) 1.0	Not Supported.	Capacity On Demand (COD) 1.0 is the Sun Enterprise™ 10000-like COD capability. This is not supported on Sun Fire 15K/12K Systems.
Capacity On Demand (COD) 1.1	Now	
Veritas Volume Manager & Others		
Veritas Volume Manager	VxVM 3.1.1 and VxVM 3.2 are supported	Need a Tier 4 license for a Sun Fire 15K/12K System. License may be partially covered, if it is for a T3 ES.
VxVM 3.1.1	Yes. This release works with the Sun Cluster 3.0 but not the Sun StorEdge Traffic Manager Software (STMS or MPxIO).	VxVM 3.1.1 is the first Veritas Volume Manager supported on Sun Fire 15K/12K systems.
VxVM 3.2	Yes and also with Sun Cluster 3.0 support.	VxVM 3.2 allows the co-exist of MPxIO with VxVM DMP in a multipathing configuration.
Veritas File System (VxFS) 3.4	Supported.	
Veritas File System (VxFS) 3.3.1 or 3.3.3	Not supported. Use VxFS 3.4	VxFS 3.4 is the first release to support Solaris 8
Veritas Netbackup 3.4	Supported.	
Veritas Netbackup 3.4.1	Supported.	
Others		
Sun HPC ClusterTools(TM) 4 Software	Now.	High performance and technical computing clustering capabilities for up to 64 compute nodes and 2048 processes. http://www.sun.com/software/hpc
SDS	Yes. SDS is built into Solaris 8.	SDS is used in Sun Fire 15K/12K System Controller to provide mirroring.