

Sun Fire™ 15K/12K Software Compatibility Matrix

Daniel Kuo, High-End Server Software PLM
ESP Product Management
x 42357
February 11, 2003

<i>Feature</i>	<i>Status</i>	<i>Note/Reference (URL)</i>
<i>Operating Environment</i>		
Solaris OE for a Dynamic System Domain	S8 10/01, 02/02, S9 Base, 9/02, 12/02 are supported.	If Solaris OE is beyond S8 10/01, upgrade SMS s/w to SMS 1.2 (or above). If either COD 2.0 or full DR is required, S8 2/02 (pluses patches) and SMS 1.3 are needed.
Solaris OE for a System Controller	SMS 1.1 requires S8 10/01. SMS 1.2 or 1.3 requires S8 02/02, S9 Base, S9 9/02 or S9 12/02 as the SC OE..	
Memory Placement Optimization (MPO)	Requires S9 9/02 (or above) as domain OE. There is a h/w co-requisite.	See URL: http://onestop/solaris/docs/MPO_Process.html
Solaris 7 or 2.6 as the Operating Environment for a SF 15K/12K domain	Not Supported	
<i>Dynamic Reconfiguration (DR) & Dynamic Systems Domain</i>		
Uniboard DR (Slot 0 DR), Concurrent DR.	Now	Requires a domain to run S8 2/02 (w/patches) or S9. This does not include DR of I/O Assemblies or MaxCPU boards.
DR of I/O Assemblies or MaxCPU boards (Slot 1 DR).	Now for S8 02/02 OE. 4/2003 for S9 OE.	Will requires SMS 1.3. Supports available for S8 2/02, S9 5/02, 9/02 or 12/02 Operating Environments. See SOFTWARE PRODUCT INTRO (Q3FY2003-30I) : Dynamic Reconfiguration for hsPCI Assemblies and MaxCPU Boards is Available
DR for Sun Fire Link Assemblies	Planned. Schedule is TBD.	
Concurrent DR	Now	See note on Uniboard DR
RCM Support	Now	See note on Uniboard DR
Global DR or Platform-wide DR	Now	See note on Uniboard DR
Hot swap of hsPCI boards	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 a multipath configuration which provides continuous service availability when one hsPCI board becomes unavailable.
576GB addressibility per Dynamic Systems Domain	Now.	Current limit is 288GB per domain. See INTRO (Q3FY2003-28I): 576GB per domain is supported on Sun Fire(tm) 15K systems
WBEM DR (WDR)	Now.	WDR is an application interface. Please wait for major system management s/w ISVs to deploy WDR capability.
<i>MultiPathing Solutions</i>		
Alternate Pathing (AP)	Not supported.	Other multi-pathing technologies available in Solaris 8 (and beyond) as the long-term strategic solutions: IPMP and MPxIO.

Sun Fire™ 15K/12K Software Compatibility Matrix

IP Multipathing (IPMP)	Yes	IPMP Supports automatic network path failover.
Sun StorEdge™ Traffic Manager Software (STMS or MPxIO)	Yes	If VxVM DMP is in use, use at least VxVM 3.2 to gain DMP/MPxIO co-existence support.
<i>Sun Cluster Support</i>		
Sun Cluster 3.0 without DR	Now	
Sun Cluster 3.0 with DR Support	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 3.0 with VxVM 3.5	Planned. Schedule is TBD.	
<i>System Controller and System Management Services (SMS)</i>		
System Management Services 1.1	Now.	Can only support domains with S8 10/01 as Operating Environment.
System Management Services 1.2	Now	Supports MaxCPU boards, 1050MHz Uniboards, Uniboard DR. Must update SunMC 3.0 to PU4 level, if SunMC is in use.
System Management Services 1.3	Now – Web Release	Will support, additionally, COD 2.0, DR for I/O Assembly or MaxCPU Board, etc. See INTRO (Q2FY2003-100I): Sun Fire(tm) 12K/15K System Management Services 1.3 Web Release is available
SC disk mirroring and tape backup	Now	
SC and Control Board Failover	Now	
Running light-weight software on SC	Allowed, if the aggregate load of all software packages onto the SC is within the	Open SC white paper can be found at URL: http://sunwww.central//servers/wp/docs/opensc.pdf
Sun Remote Service 2.x (SRS 2.x)	Now	Requires SunMC 3.0
Capacity On Demand (COD) 1.0	Not supported.	Capacity On Demand (COD) 1.0 is exclusively for the Sun Enterprise™ 10000. It is not supported on the F15K/12K.
Capacity On Demand (COD) 1.1	Now	
Capacity On Demand (COD) 2.0	Now.	Requires SMS 1.3. Support available for domains with S8 2/02 or S9 (any release) Operating Environments.

Sun Management Center (SunMC)

Sun Management Center 3.0	Now	Sun Management Center 3.0 is the first release to support F15K/12K
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)	Now. Requires SunMC 3.0 PU4.	Please update SunMC to PU4 before using SMS 1.2.
SunMC support to SMS 1.3	Planned. Schedule is TBD	

Veritas Volume Manager

VxVM 3.1.1	Now. 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 a F15K/12K.
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.
VxVM 3.4	Supported	
VxVM 3.5	Supported	Will work with Sun Cluster 3.x soon.

Others

SunHPC Cluster Tools™ 4 Software	Now.	High performance and technical computing clustering capabilities for up to 64 cores
----------------------------------	------	---