A.11.10								
Supporte	ed Servers	Linux Distri	bution ²	Fibre Channel	FC Host Bus	FC Multi-path	SCSI Storage	
				Max supported node $= 16$	Adapters	software		
ProLiant:	• DL580:	Red Hat EL5	SUSE SLES10	 StorageWorks MSA1000⁵ 	Any HP HBA	For HP arrays,	Single path only	
• BL20p ³ :	G2, G3, G4,	2.6.18-8.el5	2.6.16.21	 ProLiant DL380 G4 	supported in	use multipath	Max supported node $= 2$	
G2, G3, G4	G5	-8.1.6.el5	-0.8	Packaged Cluster with	the servers	function built	StorageWorks MSA500 G2	
• $BL25p^3$	• DL585	-8.1.8.el5		$MSA1000^5$	listed.	into HBA	 ProLiant DL380 G3 	
G1, G2	• DL585 G2		2.6.16.46 (SP1)	 StorageWorks 		driver from HP	Packaged Cluster	
• $BL40p^3$	• DL740	Red Hat EL4 AS/ES	-0.12	MSA1500cs ⁵			 ProLiant DL380 G3 	
• $BL45p^3$	• DL760 G2	2.6.9(U3) -34.EL	-0.14	• StorageWorks EVA 3000,			Packaged Cluster – Racked	
• $BL460c^3$	• ML350	2.6.9(U4) -42.EL		4000, 5000, 6000, 8000			Multi-path supported using MD	
• $BL465c^3$	G3, G4p, G5	-42.0.8.EL		(v3.01 or later)			(not DM see manual)	
• $BL480c^3$	• ML370:	2.6.9(U5) -55.EL		 StorageWorks XP48, 	For non-HP	D D (16	Max supported node $= 4$	
• $BL680c^3$	G3, G4, G5			XP128, XP512, XP1024,	servers, any	PowerPath ⁶	 StorageWorks MSA500 G2 	
• $BL685c^3$	• ML570 G3			XP10000, XP12000,	HP FC HBA	4.3.3 and	 ProLiant DL380 G4 	
• DL360:	• ML570 G4			XP20000, XP24000	supported in those servers	above with EMC Arrays	Packaged Cluster with	
G3, G4, G5	IBM ⁴ :			• EMC Symmetrix 8000-	with HP	ENIC Allays	MSA500 G2	
• DL380:	• eServer 325			Series (5, 5.5) and			HP ProLiant DL385	
G3, G4, G5	• xSeries 346			Symmetrix DMX $(6, 6.5)^6$	storage arrays		Packaged Cluster with	
• DL365	• x3650			• EMC CLARiiON CX/AX ⁶			MSA500G2	
• DL385	• x3550						Multipath not supported for	
• DL385 G2	Dell: ⁴						LockLUN device.	
• DL560	 PowerEdge 							
	2850							

HP Serviceguard for Linux Certification Matrix¹ A 11 18

¹ Matrix only refers to Serviceguard support. <u>All other hardware and software components must be supported together independent of Serviceguard.</u> Unless specifically stated in these notes, all configurations of any server listed are supported as long as the general Serviceguard configuration requirements are met.

A problem with the Round Robin load balancing function of Linux bonding may prevent Serviceguard from detecting network failures. A package may not fail over in this situation. The "Failover" bonding mode is recommended until the driver is fixed in the Linux kernels.

² Not every product in a certified configuration supports all of the errata shown here. Please check that other products used in the cluster support the errata that is proposed. Supports the IA-32 and x86-64 versions of the distributions but not mixed in the same cluster. See <u>http://www.hp.com/softwarereleases/releases-media2/</u> for support dates.

³ Blades are supported with FibreChannel storage only with the mezzanine adapters. Blades using Virtual Connect Technology are supported.

⁴ Dell and IBM servers require the addition of a software Care Pack or support contract as well as HP Host Bus Adapters and driver

⁵ Both Active/Active and Active/Passive versions supported. MSA1000 and especially the MSA1500cs arrays must be configured so that no single failure would make any shared storage unavailable. Please refer to the respective documentation on ensuring high availability storage.

⁶ Supported with Red Hat EL 4 and SLES10. PowerPath must be used for multipath and it is supported for LockLUN. If a version of PowerPath earlier than 4.5 is used, check the EMC Knowledgebase article "emc137801"..

Supported Servers	Linux Dist	ribution ²	Fibre Channel	FC Host Bus	FC Multi-path	SCSI Storage
	2		Max supported node = 16	Adapters	software	S COL Storage
Integrity: • BL860c ³ • rx1600 • rx1620 • rx1620-2 ⁴ • rx2600 • rx2620-2 • rx2660 • rx3600 ³ • rx4640 ³ • rx5670 • rx6600 ³ • rx7620 • rx7620 • rx8620 • rx8640 • Integrity Superdome ^e	Red Hat EL5 2.6.18-8.el5 -8.1.6.el5 -8.1.8.el5 Red Hat EL4 AS/ES 2.6.9(U3) -34.EL 2.6.9(U4) -42.EL -42.0.8.EL 2.6.9(U5) -55.EL	SUSE SLES10 2.6.16.21 -0.8 2.6.16.46 (SP1) -0.12 -0.14	 StorageWorks MSA1000⁵ StorageWorks MSA1500cs StorageWorks VA 7100, 7110, 7400, 7410 StorageWorks EVA 3000, 4000, 5000, 6000, 8000 (v3.01 or later) StorageWorks XP48, XP128, XP512, XP1024, XP10000, XP12000, XP20000, XP24000 EMC Symmetrix 8000-Series (5, 5.5) and Symmetrix DMX (6, 6.5)⁶ EMC CLARiiON CX/AX 	Any HP HBA supported in the servers listed.	For HP arrays, use multipath function built into HBA driver from HP PowerPath 4.3.3 and above with EMC Arrays ⁷	Not supported

HP Serviceguard for Linux for Integrity Certification Matrix¹

¹ Matrix only refers to Serviceguard support. <u>All other hardware and software components must be supported together independent of Serviceguard.</u> Unless specifically stated in these notes, all configurations of any server listed are supported as long as the general Serviceguard configuration requirements are met.

A problem with the Round Robin load balancing function of Linux bonding may prevent Serviceguard from detecting network failures. A package may not fail over in this situation. The "Failover" bonding mode is recommended until the driver is fixed in the Linux kernels.

² Not every product in a certified configuration supports all of the errata shown here. Please check that other products used in the cluster support the errata that is proposed. Information on older errata that are supported may not be shown. Certification of newer Updates, ServicePacks, and Errata will be completed as soon after release as practical. See http://www.hp.com/softwarereleases/releases-media2/ for support dates.

³ Blades using Virtual Connect Technology are supported.

⁴ Serviceguard for Linux supports servers with the Single core and Dual-Core Intel Itanium 2 processors. Please ensure that the Linux distribution used is supported on both Serviceguard for Linux and the server.

⁵ Both Active/Active and Active/Passive versions supported. MSA1000 and especially the MSA1500cs arrays must be configured so that no single failure would make any shared storage unavailable. Please refer to the respective documentation on ensuring high availability storage.

⁶ Supported with Red Hat EL 4 and SLES10. PowerPath must be used for multipath and it is supported for LockLUN. If a version of PowerPath earlier than 4.5 is used, check the EMC Knowledgebase article "emc137801"...

				A.11.16			
Supporte	ed Servers	Linux Distr	ibution ²	Fibre Channel	FC Host Bus	FC Multi-path	SCSI Storage
				Max supported node $= 16$	Adapters	software	
ProLiant:	• DL580:	Red Hat EL4 AS/ES		 StorageWorks MSA1000⁷ 	Any HP HBA	For HP arrays,	Single path only
• BL20p ³ :	G2, G3, G4,	2.6.9 (U1) -11.EL	2.6.5 (SP1)	 ProLiant DL380 G4 	supported in	use multipath	Max supported node $= 2$
G2, G3, G4	G5	2.6.9 (U2) -22.EL ⁵	-7.139	Packaged Cluster with	the servers	function built	 StorageWorks MSA500 G2
• $BL25p^3$	• DL585	-22.0.2.EL	-7.145	MSA1000 ⁷	listed.	into HBA	 ProLiant DL380 G3
G1, G2	• DL585 G2	2.6.9(U3) -34.EL	-7.147	 StorageWorks 		driver from HP	Packaged Cluster
• $BL40p^3$	• DL740	2.6.9(U4) -42.EL	-7.151	MSA1500cs ⁷			 ProLiant DL380 G3
• $BL45p^3$	• DL760 G2	-42.0.8.EL	-7.151.29	 StorageWorks VA 7100, 			Packaged Cluster – Racked
• $BL460c^3$	• ML350	2.6.9(U5) -55.EL	2.6.5 (SP2)	7110, 7400, 7410			Multi-path supported using MD
• $BL465c^3$	G3, G4p, G5	Red Hat EL3 AS/ES		 StorageWorks EVA 3000, 			(not DM see manual)
• $BL480c^3$	• ML370:	2.4.21 (U1) -9.0.3	-7.193	4000, 5000, 6000, 8000	For non-HP	D	Max supported node = 4
• $BL680c^3$	G3, G4, G5	2.4.21 (U2) -15.0.3	-7.202.7	(v3.01 or later)	servers, any HP FC HBA	PowerPath ⁸ 4.3.3 and	• StorageWorks MSA500 G2
• $BL685c^3$	 ML570 G3 	-15.0.4	2.6.5 (SP3)	 StorageWorks XP48, 			ProLiant DL380 G4
• DL360:	• ML570 G4	2.4.21 (U3) -20.EL ⁶	-7.244 -7.252	XP128, XP512, XP1024,	supported in those servers	above with EMC Arrays	Packaged Cluster with
G3, G4, G5	IBM^4 :	2.4.21(U4) -27.EL	-7.253	XP10000, XP12000,	with HP	LIVIC Allays	MSA500 G2
• DL380:	• eServer 325	2.4.21(U5) -32.EL	SUSE SLES10	XP20000, XP24000	storage arrays		HP ProLiant DL385
G3, G4, G5	• xSeries 346	-32.0.1EL 2.4.21(U6) -37.EL	2.6.16.21	• EMC Symmetrix 8000-	storage arrays		Packaged Cluster with
• DL365	Dell: ⁴	-37.0.1.EL	-0.8	Series (5, 5.5) and			MSA500G2
• DL385	 PowerEdge 	2.4.21(U7) -40.EL	2.6.16.46 (SP1)	Symmetrix DMX $(6, 6.5)^8$			Multipath not supported for
• DL385 G2	2850	2.4.21(U8) -47.EL	-0.12	• EMC CLARiiON CX/AX ⁸			LockLUN device.
• DL560		-47.0.1.EL	-0.14				

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HP Serviceguard for Linux Certification Matrix¹

¹ Matrix only refers to Serviceguard support. <u>All other hardware and software components must be supported together independent of Serviceguard.</u> Unless specifically stated in these notes, all configurations of any server listed are supported as long as the general Serviceguard configuration requirements are met.

A problem with the Round Robin load balancing function of Linux bonding may prevent Serviceguard from detecting network failures. A package may not fail over in this situation. The "Failover" bonding mode is recommended until the driver is fixed in the Linux kernels.

⁶ Rare problem caused by failures in the network environment with RedHat3 Update3 can be avoided by work around detailed at http://forums1.itrc.hp.com/service/forums/questionanswer.do?threadId=754018. This is fixed in Update4.

² Not every product in a certified configuration supports all of the errata shown here. Please check that other products used in the cluster support the errata that is proposed. Supports the IA-32 and x86-64 versions of the distributions but not mixed in the same cluster. See <u>http://www.hp.com/softwarereleases/releases-media2/</u> for support dates.

³ Blades are supported with FibreChannel storage only with the mezzanine adapters. Blades using Virtual Connect Technology are supported.

⁴ Dell and IBM servers require the addition of a software Care Pack or support contract as well as HP Host Bus Adapters and driver

⁵ Please contact HP support to receive required Serviceguard for Linux patch for support for this and later updates.

⁷ Both Active/Active and Active/Passive versions supported. MSA1000 and especially the MSA1500cs arrays must be configured so that no single failure would make any shared storage unavailable. Please refer to the respective documentation on ensuring high availability storage.

⁸ Supported with Red Hat EL 4, SLES9 and SLES10. PowerPath must be used for multipath and it is supported for LockLUN. If a version of PowerPath earlier than 4.5 is used, check the EMC Knowledgebase article "emc137801".

			A.11.10			
Supported Servers	Linux Dist	ribution ²	Fibre Channel	FC Host Bus	FC Multi-path	SCSI Storage
			Max supported node $= 16$	Adapters	software	
Integrity:	Red Hat EL 4 AS/ES	SUSE SLES 9	• StorageWorks MSA1000 ⁷	Any HP HBA	For HP arrays, use	Not supported
• $BL860c^3$	2.6. 9 (U1)-11.EL	2.6.5 (SP1)	StorageWorks MSA1500cs	supported in	multipath function	
• rx1600	2.6.9 (U2)-22.EL ⁵	-7.139	 StorageWorks VA 7100, 	the servers	built into HBA driver	
• rx1620	-22.0.2.EL	-7.145	7110, 7400, 7410	listed.	from HP	
• $rx1620-2^4$	2.6.9(U3)-34.EL	-7.151	• StorageWorks EVA 3000,			
• rx2600	2.6.9(U4) -42.EL	-7.151.29	4000, 5000, 6000, 8000			
• rx2620	-42.0.8.EL	2.6.5 (SP2)	(v3.01 or later)			
• rx2620-2	Red Hat EL 3 AS	-7.191	• StorageWorks XP48, XP128,			
• rx2660	2.4.21 (U1) -9.0.3	-7.193	XP512, XP1024, XP10000,			
• $rx3600^3$	2.4.21 (U2) -15.0.3	-7.202.7	XP12000, XP20000,			
• $rx4640^3$	-15.0.4.EL	2.6.5 (SP3)	XP24000			
• rx5670	2.4.21 (U3)-20.EL ⁶	-7.244	• EMC Symmetrix 8000-Series		PowerPath 4.3.3 and	
• $rx6600^3$	2.4.21(U4)-27.EL	-7.252	(5, 5.5) and Symmetrix DMX		above with EMC	
• rx7620	2.4.21(U5) -32.EL	-7.253	$(6, 6.5)^8$		Arrays ⁸	
• rx7640	-32.0.1EL		• EMC CLARiiON CX/AX ⁸			
	2.4.21(U6) -37.EL	SUSE SLES10				
• rx8620	-37.0.1.EL	2.6.16.21-0.8				
• rx8640	2.4.21(U7) -40.EL	2.6.16.46 (SP1)				
• Integrity Superdome ^e	2.4.21(U8) -47.EL	-0.12				
	-47.0.1.EL	-0.14				

HP Serviceguard for Linux for Integrity Certification Matrix¹

¹ Matrix only refers to Serviceguard support. <u>All other hardware and software components must be supported together independent of Serviceguard.</u> Unless specifically stated in these notes, all configurations of any server listed is supported as long as the general Serviceguard configuration requirements are met.

A problem with the Round Robin load balancing function of Linux bonding may prevent Serviceguard from detecting network failures. A package may not fail over in this situation. The "Failover" bonding mode is recommended until the driver is fixed in the Linux kernels.

² Not every product in a certified configuration supports all of the errata shown here. Please check that other products used in the cluster support the errata that is proposed. Information on older errata that are supported may not be shown. Certification of newer Updates, ServicePacks, and Errata will be completed as soon after release as practical. See http://www.hp.com/softwarereleases/releases-media2/ for support dates.

³ Blades using Virtual Connect Technology are supported.

⁴ Serviceguard for Linux supports servers with the Single core and Dual-Core Intel Itanium 2 processors. Please ensure that the Linux distribution used is supported on both Serviceguard for Linux and the server.

⁵ Please contact HP support to receive required Serviceguard for Linux patch for support for this update

⁶ Rare problem caused by failures in the network environment with RedHat3 Update3 can be avoided by work around detailed at http://forums1.itrc.hp.com/service/forums/questionanswer.do?threadId=754018. This is fixed in Update4.

⁸ Supported with Red Hat EL 4, SLES9 and SLES10. PowerPath must be used for multipath and it is supported for LockLUN. If a version of PowerPath earlier than 4.5 is used, check the EMC Knowledgebase article "emc137801".

⁷ Both Active/Active and Active/Passive versions supported. MSA1000 and especially the MSA1500cs arrays must be configured so that no single failure would make any shared storage unavailable. Please refer to the respective documentation on ensuring high availability storage.

HP Serviceguard for Linux Certification Matrix ¹
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A.11.15 ⁻								
Supporte	ed Servers	Linux Distribution ³		Fibre Channel	FC Host Bus	FC Multi-	SCSI Storage	
		IA32 (32 bit) ver	sions ONLY	Max supported node $= 16$	Adapters ¹	path		
						software		
ProLiant:	• DL580 G2	Red Hat EL3 AS/ES	SUSE SLES 8	 StorageWorks MSA1000⁷ 	Any QLogic	HBA driver	Single path only	
• BL20p G2 ⁴	• DL580 G3	2.4.21 (U1) -9.0.3	2.4.21 (SP3)	 ProLiant DL380 Packaged 	based HBA	7.00.03 and	Max supported node $= 2$	
• BL20p G3 ⁴	• DL580 G4	2.4.21 (U2) -15.0.3	-198	Cluster with MSA1000 ⁷	including	above	 StorageWorks MSA500 	
• BL20p G4 ⁴	 DL585⁵ 	-15.0.4	-215	• StorageWorks MSA1500c ⁷	FCA2214	0	 ProLiant DL380 G2 	
• $BL25p^4$	• DL740	2.4.21 (U3) -20 ⁶	-241	• StorageWorks VA 7100,	FCA2214DC	SecurePath ⁹	Packaged Cluster	
• $BL40p^4$	• DL760 G2	2.4.21(U4)	-273	7110, 7400, 7410	FC2214		 ProLiant DL380 G3 	
• DL360 G3	• ML350 G3	-27.EL	2.4.21 (SP4)	 StorageWorks EVA 3000, 	FC2214DC		Packaged Cluster	
• DL360 G4	• ML350 G4 ⁵	2.4.21(U5)	-278	4000, 5000, 6000, 8000	FC1142SR		_	
• DL380 G3	• ML370 G3	-32.EL	-286	(v3.01 or later)	FC1242SRDC			
 DL380 G4⁵ 	 ML370 G3 ML370 G4⁵ 	-32.0.1EL	-292	• StorageWorks XP48, XP128,	FC1143	Powerpath		
 DL380 G5⁵ 	• WIL570 04	2.4.21(U6)	-295	XP512, XP1024, XP10000,	FC1243DC	4.3.3 and		
 DL380 G5 DL385⁵ 		-37.EL		XP12000	Mezzanine	above with		
		-37.0.1.EL		• EMC Symmetrix 8000-	adapters for	EMC		
• DL560		2.4.21(U7) -40.EL		Series (5, 5.5) and	HP	Arrays ⁸		
				Symmetrix DMX $(6, 6.5)^8$	Bladeservers			

¹ Matrix only refers to Serviceguard support. <u>All other hardware and software components must be supported together independent of Serviceguard.</u> Unless specifically stated in these notes, all configurations of any server listed is supported as long as the general Serviceguard configuration requirements are met. A problem with the Round Robin load balancing function of Linux bonding may prevent Serviceguard from detecting network failures. A package may not fail over in

A problem with the Round Robin load balancing function of Linux bonding may prevent Serviceguard from detecting network failures. A package may not fail over in this situation. The "Failover" bonding mode is recommended until the driver is fixed in the Linux kernels.

² Not recommended for new installations. This version is out of "patch phase". Please refer to the Serviceguard for Linux support model (available on the page http://www.hp.com/softwarereleases/releases-media2/)

³ Not every product in a certified configuration supports all of the errata shown here. Please check that other products used in the cluster support the errata that is proposed. Information on older errata that are supported may not be shown. Certification of newer Updates, ServicePacks, and Errata will be completed as soon after release as practical.

⁴ Blades are supported for Fibre Channel shared storage only

⁵ There is no support running the AMD64 or EMT64 versions of Red Hat or SuSE, even though the OS may support 32bit applications. During certification testing of the DL585 and the "G4" servers, a seldom seen problem was discovered affecting the disk monitor (cmresmond). A replacement copy of cmresmond is available from www.itrc.hp.com in the Servers/ProLiant server clustering forum at http://forums1.itrc.hp.com/service/forums/questionanswer.do?threadId=665900

⁶ Rare problem caused by failures in the network environment can be avoided by work around until Linux distributions address is detailed at <u>http://forums1.itrc.hp.com/service/forums/questionanswer.do?threadId=754018</u>. This is fixed in Update 4.

⁷ Both Active/Active and Active/Passive versions supported. MSA1000 and especially the MSA1500cs arrays must be configured so that no single failure would make any shared storage unavailable. Please refer to the respective documentation on ensuring high availability storage.

⁸ Requires Red Hat EL 3 update 2 or later. For PowerPath version 4.3.3 and 4.3.4 contact EMC support for the version that does NOT automatically activate ALL volume groups. Any 4.5 or later version is OK. Check the EMC Knowledgebase article "emc137801" for more information.

⁹ HP SecurePath supported for SLES8 and various RedHat 3 errata. Check with your representative.

	Supported Servers	L inux Die	stribution ³	Fibre Channel	FC Host	FC Multi-path	SCSI Storage
	Supported Servers			Max supported node = 16	Bus Adapters	software	Sebi Stolage
IA-64	Integrity: • rx1600 • rx2600 • rx4640 • rx5670 • rx7620 • rx8620	Red Hat EL 3 AS 2.4.21 (U1) -9.0.1 -9.0.3 2.4.21 (U2) -15.0.3 -15.0.4 2.4.21 (U3) ⁴ -20 2.4.21(U4) -27.EL 2.4.21(U5) -32.EL -32.0.1EL 2.4.21(U6) -37.EL -37.0.1.EL 2.4.21(U7) $-40.EL$	SUSE SLES 8 2.4.21 (SP3) -198 -241 -273 2.4.21 (SP4) -278 -286 -292 -295	 StorageWorks MSA1000⁵ StorageWorks VA 7100, 7110, 7400, 7410 StorageWorks EVA 3000, 4000, 5000, 6000, 8000 (v3.01 or later) StorageWorks XP48, XP128, XP512, XP1024, XP10000, XP12000 EMC Symmetrix 8000-Series (5, 5.5) and Symmetrix DMX (6, 6.5)⁶ 	A6826A	HBA driver 7.00.03 and above SecurePath ⁷ Powerpath 4.3.3 and above with EMC Arrays ⁵	• Not supported

HP Serviceguard for Linux for Integrity Certification Matrix¹ \wedge 11 15²

Please contact HP support to receive required Serviceguard for Linux patch for support for this update.

Matrix refers to Serviceguard support. All other hardware and software components must be supported together independent of Serviceguard. Unless specifically stated in these notes, all configurations of any server listed is supported as long as the general Serviceguard configuration requirements are met.

A problem with the Round Robin load balancing function of Linux bonding may prevent Serviceguard from detecting network failures. A package may not fail over in this situation. The "Failover" bonding mode is recommended until the driver is fixed in the Linux kernels.

² Not recommended for new installations. This version is out of "patch phase". Please refer to the Serviceguard for Linux support model (available on the page http://www.hp.com/softwarereleases/releases-media2/)

³ Not every product in a certified configuration supports all of the errata shown here. Please check that other products used in the cluster support the errata that is proposed. Information on older errata that are supported may not be shown. Certification of newer Updates, ServicePacks, and Errata will be completed as soon after release as practical.

⁴ Rare problem caused by failures in the network environment can be avoided by work around until Linux distributions address is detailed at <u>http://forums1.itrc.hp.com/service/forums/questionanswer.do?threadId=754018</u>. This is fixed in Update 4.

⁵ Both Active/Active and Active/Passive versions supported. MSA1000 and especially the MSA1500cs arrays must be configured so that no single failure would make any shared storage unavailable. Please refer to the respective documentation on ensuring high availability storage.

⁶ Requires Red Hat EL 3 update 2 or later. For PowerPath version 4.3.3 and 4.3.4 contact EMC support for the version that does NOT automatically activate ALL volume groups. Any 4.5 or later version is OK. Check the EMC Knowledgebase article "emc137801" for more information.

⁷ HP SecurePath supported for SLES8 and various RedHat 3 errata. Check with your representative.

HP Serviceguard for Linux Certification Matrix ¹
A.11.14 ²

	Supported Servers	Linux Distribution ³	Fibre Channel	FC Host Bus	FC Multi-path	SCSI Storage
x86	ProLiant: • BL20p G2 ⁴ • BL40p ³ • DL360 G3 • DL380 G3 • DL560 • DL580 G2 • DL740 • DL760 G2 • ML350 G3 • ML370 G3	Red Hat EL2.1 ES & AS 2.4.9 (U3) -e35 -e38 -e39 2.4.9 (U4) -e41 -e43 2.49 (U5) -e49 SUSE SLES 8 2.4.21 (SP3) -198 -215 -241 -273 Serviceguard for Linux version A.11.15 is recommended for SLES8 clusters	 Max supported node = 2 StorageWorks MSA100 ProLiant DL380 Packaged Cluster with MSA1000 (requires MSA1000 High Availability Kit) StorageWorks EVA 3000 / 5000 (v3.01 or later) Max supported node = 16 StorageWorks VA 7100, 7110, 7400, 7410 StorageWorks XP48, XP128, XP512, XP1024 	Adapters FCA2214 FCA2214DC Mezzanine adapters for HP BladeSystem	software HBA driver 7.00.03 and above SecurePath ⁵	 Max supported node = 2 Single path only StorageWorks MSA500 ProLiant DL380 G2 Packaged Cluster ProLiant DL380 G3 Packaged Cluster ProLiant DL380 G3 Packaged Cluster - Racked
Integrity	N/A					

¹ Matrix refers to only Serviceguard support. <u>Other components must be supported together independent of Serviceguard.</u> A problem with the Round Robin load balancing function of Linux bonding may prevent Serviceguard from detecting network failures. A package may not fail over in this situation. The "Failover" bonding mode is recommended until the driver is fixed in the Linux kernels.

² Do not use for new installations. This version is out of "patch phase" for RedHat 2.1 and out of support phase for SLES8. Please refer to the Serviceguard for Linux support model (available on the page http://www.hp.com/softwarereleases/releases-media2/)

³ Not every product in a certified configuration supports all of the errata shown here. Information on older errata that are supported may not be shown ⁴ Blades are supported for Fibre Channel shared storage only

⁵ HP SecurePath supported for SLES8 and various RedHat 2.1 errata. Check with your representative.