HP Serviceguard/SGeRAC/Storage Management Suite/Serviceguard Manager Plug-in Compatibility and Feature Matrix

Best if viewed at a resolution of 1280 x 800 or greater

March 29, 2012

SG A.11.20 f	or HP-UX 11i v3	COMPATIBILITY
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SG, SG OPS, SGeRAC Version Intro/End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/go/hpux-serviceguard-docs	SG Mgr Plug-in Version For Serviceguard Manager standalone version information see "HP Serviceguard Manager" at: www.hp.com/go/hpux-serviceguard-docs	COM Version	QS Version	Note CFS is supported only as	SG SMS Version For specific naming conventions for the various SMS bundles please refer to the product release notes at www.hp.com/go/hpux-serviceguard-docs	White naners at:
SG/SGeRAC A.11.20 Sept 2010/Sept 2015	HP-UX 11i v3	Integrity PARISC	A.04.20	B.03.00, B.03.10, B.03.20, B03.30		A.03.00 - single IP only A.04.00 - single or alternate IP's supported	VxVM / CVM / CFS 5.0.1 & 5.1 SP1 VxVM 5.0, VxVM 4.1 LVM SGeRAC: CVM / CFS 5.0.1 & 5.1 SP1 Shared LVM (SLVM),	Veritas Version 5.0.1	See HPVM specific support information at the end of this document

SG A.11.20 for 11iv3 NEW FEATURES

Intro Date September 2010

Intro Date September 2010

SG New Features	SGeRAC New Features	SG SMS New Features
ote, Extended Distance Cluster (EDC) is a SG configuration and all SG compatibility should be assumed unless otherwise stated	Additional information can be found in the release notes at www.hp.com/go/hpux-serviceguard-docs	Additional information can be found in the release notes at: www.hp.com/go/hpux-serviceguard-docs
asy Deployment	SGeRAC A.11.20 New Features:	SG SMS A.03.01
ew Serviceguard Manager capabilities	- Cluster-wide Device Special Files (cDSF) support	Integrated with the Veritas version 5.0.1 products
ive Application Detach	- Cluster Verification support	Supported on the HP-UX 11i v3 operating system only (no 11i v2 support)
DSF	- Dynamic Root Disk (DRD) Support	Bundles include Serviceguard version A.11.20
lew Serviceguard capabilities allow you to check the soundness of the cluster	- SGeRAC Toolkit - enhanced to support new ASM DG package	Able to run on both HP 9000 and HP Integrity Servers
nfiguration, and the health of its components and to do so at any time, rather than	- Oracle RAC 11gR2 support	
ly when changing the onfiguration of the cluster or its packages	April 2011 SGeRAC A.11.20 Patch provides:	SG SMS A.03.02
ou can use NFS-mounted (imported) file systems as shared storage in packages.	- SGeRAC Cluster Easy Deployment, and package Easy Deployment of Oracle Clusterware and	Support for Enterprise DB
lew capabilities in Serviceguard and HPVM allow online migration of a VM	Oracle RAC Database packages using Serviceguard Manager	cmeasymigrate(1m)
erviceguard A.11.20 supports a new failover policy, site preferred manual	- Configure multiple CFS Mount Points and CVM Disk Groups in a single package	Note: Please refer to Release notes for complete list
	- Co-existence of Oracle RAC (SGeRAC Toolkit) packages and Oracle Single Instance (ECMT Toolkit)	
pril 2011 SG A.11.20 Patch provides:	packages in the same cluster (Only requires ECMT B.06.00 April 2011 patch)	SG SMS A.04.00
Cluster Easy deployment – Added CFS/CVM Support	,	Integrated with the Veritas version 5.1 SP1 products
Cluster easy deployment - Added support for configuration of site aware clusters.	March 2012 SGeRAC A.11.20 Patch provides:	Supported on the HP-UX 11i v3 operating system only (no 11i v2 support)
Package easy deployment for Oracle Clusterware, RAC, Oracle single instance,	- Support of user defined Oracle RAC Database services in RAC instance package	Bundles include Serviceguard version A.11.20
GeEBS and Site controller packages.	- Supports Virtual Partitions (vPars) as Serviceguard cluster nodes created using the product BB068AA	Able to run on both HP 9000 and HP Integrity Servers
Support for Site controller package configuration.	HP-UX vPars & Integrity VM v6.1	Support for IPv6/Mixed mode environment
Serviceguard toolkits for Oracle Dataguard and SGeEBS.	· · · · · · · · · · · · · · · · ·	Support for Rolling Upgrade to future SG SMS releases from SG SMS A.04.00
Configure multiple CFS Mount Points and CVM Disk Groups	Oracle RAC Compatibility:	Enhancements to Easy Deployment
a single modular package		Support for cross bundle upgrades.
Parallel halt of Non Detached Multi Node package	- RAC 10gR2, 11gR1, 11gR2 with SLVM, ASM over SLVM or raw disks	
Support for SG SMS A.04.00	- RAC 11gR2 with CVM/CFS 5.0.1 & 5.1 SP1 Integrity & HP 9000 Servers	SG SMS A.04.01
Support for HP Integrity VM 4.3	Cluster size: 16 nodes maximum	Support for Enterprise DB
August 2011 SG A.11.20 Patch provides:	Extended Cluster support (up to 100k between sites):	cmeasymigrate(1m)
Generic resources - A mechanism to allow integration of SFMWBEM or custom	With SLVM and ASM over SLVM: 2, 4 nodes (4 nodes requires SLVM v2)	Note: Please refer to Release notes for complete list
er defined monitors to monitor hardware/software resources in Serviceguard by	With ASM over Raw disks: ASM mirroring with Extended Cluster is allowed by	
nfiguring the generic resource parameters as part of package configuration.	HP, supported by Oracle, contact Oracle for ASM mirroring configuration	
CFS Modular Packages - Online addition/deletion/modification of CFS	requirements.	
P/DG/CP/SN packages	With CVM/CFS 5.0.1 & 5.1 SP1: 2,4,6,8,16 nodes (up to 10km between sites),	
Support for SG SMS A.04.00.01 - Support for cross bundle upgrades	2,4 nodes (up to 100km between sites)	
Serviceguard Extension for SAP (SGeSAP) B.05.10	Note: CVM/CFS 5.0.1 & 5.1 SP1 is provided in SG SMS version A.03.01	
GeSAP Package Easy Deployment		
Cluster support for SAP web dispatcher	SGeRAC is supported in cross subnet environments only when used with Metrocluster in a Site Aware	
Serviceguard Toolkits for Database Replication Solutions	Disaster Tolerant Architecture	
Serviceguard Disaster Recovery Solutions. Metrocluster/Continentalclusters with	Note: IPv6 is not supported in a SGeRAC cluster. (I think we should add a note like this).	
AR Remote Copy	, , , , , , , , , , , , , , , , , , , ,	
Serviceguard Toolkit for IBM DB2 HADR	- SGeRAC has been added in HA-OE and DC-OE September 2011 media as an optional bundle	
	- Supports rolling upgrade from a SG only cluster (from SG A.11.19 or A.11.20) to SG/SGeRAC	
March 2012 SG A.11.20 Patch provides:	A.11.20 cluster.	
IPIV/DIO monitoring support on HPVM as a Serviceguard package.	- Supports Live Application Detach (LAD) in an SGeRAC A.11.20 environment if Oracle Cluster Ready	
Support iSCSI disks in Serviceguard and Serviceguard Manager	Services (CRS) are not running.	
asy migration for toolkit packages and CFS MPDG packages		
Support error handling during package halt using cmhaltpkg -a command		
Serviceguard Toolkit for Integrity Virtual Servers , EnterpriseDB, Sybase ASE		
pport for SGeSAP		
asy deployment for DB2 in Serviceguard Manager		
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	SG	A.11.19 for 11iv3 C	OMPATIBILITY Intro I	Date March	h 2009					
SG, SG OPS, SGERAC Version OS Version Intro/End of Support Dates	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/gohpux-serviceguard-docs	SG Mgr Plug-in Version For Serviceguard Manager standations version information see "HP Serviceguard Manager" at: www.hp.com/go/hpux-serviceguard-docs	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version For specific naming conventions for the various SMS bundles please refer to the product release notes at www.hp.com/go/hpux-serv/ceguard-docs	HPVM Additional HPVM information can be found under "HP Serviceguard" White papers at: www.hp.com/go/hpux-serviceguard docs		
SG/SGeRAC A.11.19 Mar 2009 / Mar 2014	Integrity PARISC	A.04.20	B.02.00 JDK Support- version 5.0.17, 5.0.19, & 6.0.05 (note, JRE not supported) SysMgmtWeb A.3.0.X (11iv.2 & 11iv.3 0903 AR/OE or later) hpuxwsTomcat B.5.5.23.02 or later (11.23 & 11.31 0903 AR/OE or later) DSAU Support- 11.31 — DSAU Itilities C.01.00.18 or later	B.06.00.00	A.02.00.04 - single IP only A.03.00 - single IP only A.04.00 - single or alternate IP's supported	VxVM 5.0.1, CVM 5.0.1, CFS 5.0.1 VxVM 5.0, CVM 5.0, CFS 5.0 VxVM 4.1 LVM, Shared LVM (SLVM)	A.03.00 for 11iv3 release in Nov 2009 Verlias Version 5.0.1 (T2771DB, T2773DB, T2774DB, T2775DB, T2777DB, T2777DB, T8684DB, T8684DB, T8685DB, T8685DB, T8686DB, T8695DB, T8687DB, T8697DB) A.02.01 for 11i v3 released in May 2009 Verlias Version 5.0 (T2771CB, T2773CB, T2774CB, T2775CB, T2777CB, T8684CB, T8694CB, T8695CB, T8695CB, T8696CB, T8695CB, T8697CB, T8697CB) SG SMS A.02.01.01	See HPVM specific support information at the end of this document		
	SG A	A.11.19 for 11iv3 N	EW FEATURES Intro	Date Marc	ch 2009					
SG New Features Note, Extended Distance Cluster (EDC) is a SG configuration and all SG compatibility should be unless otherwise stated	assumed /	SGeRAC New Features Additional information can be found in the release notes at www.hp.com/go/hpux-serviceguard-docs				SG SMS New Features Additional information can be found in the release notes at: www.hp.com/go/hpux-serviceguard-docs				
- Complex Dependencies - Package Weights - Rodic Capacities - Package Weights - Rodic Capacities - Rodic Space (Package Weights - Rodic Space (Package Weights) - Rodi					out. NODE_TIMEOUT and					

3/21/2012 2 1:58 PM

		SG A.11.	19 for HP-UX 11i v2	COMPATIBILITY	Intro Date	e March 2009			
SG, SG OPS, SGeRAC Version Intro/End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/gohpus-serviceguard- docs	SG Mgr Plug-in Version For Serviceguard Manager standations version information see "HP Serviceguard Manager" at: www.hp.com/go/hpux-serviceguard-docs	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version Intro/End of Support Dates For specific naming conventions for the various SMS bundles please refer to the product release notes at www.hp.com/go/hpux-serviceguard-docs	HPVM Additional HPVM information can be found under "HP Serviceguard" White papers at: www.hp.com/go/ppux-serviceguard-docs
SG/SGERAC A.11.19 Mar 2009 / Dec 2013	HP-UX 11i v2	Integrity PARISC	A.04.20	B.02.00 JDK Support - version 5.0.17, 5.0.19, & 6.0.05 (note, JRE not supported) SysMgmtWeb A.3.0.X (11iv2 & 11iv3 0903 AR/D6 or later) Tomcat B.5.5.23.02 or later (11iv2 & 11iv3 0903 AR/DC or later) DSAU Support - 11.23 – DSAUtilities C.01.00.15 or later	B.06.00.00	A.02.00.04 - single IP only A.03.00 - single IP only A.03.00 - single IP only A.04.00 - single or alternate IP's supported	VxVM 5.0, CVM 5.0, CFS 5.0 LVM, Shared LVM (SLVM)	A.02.01 for 11i v2 released May 2009 (T2771CA, T2773CA, T2774CA, T2775CA & T2777CA, T2794CA, T2795CA, T2796CA, T2797CA,)	See HPVM specific support information at the end of this document
		SG /	A.11.19 for 11iv2 N	EW FEATURES Intro	Date Marc	h 2009			
	orkin	SGERAC New Features Additional information can be found in the release notes at www.hp.com/go/hpuxserviceguard docs			SG SMS New Features Additional information can be found in the release notes at: www.hp.com/go/hpux-serviceguard-docs				
**Complex Dependencies **Package Weights **Node Capacities **Package Weights **Node Capacities **Per Noathame address family for all cluster components, with some restrictions **Serviceguard can now monitor subnets at the Plevel, as well as the link level **Per Noathame address family for all cluster components, with some restrictions **Serviceguard can now monitor subnets at the Plevel, as well as the link level **Portione Configuration Capabilities **Online Modular and Legacy Package Configuration capabilities **Online Modular and Legacy Package Configuration capabilities **Preview Capabi					es an HP-UX 11i v2 version released				

3/21/2012 3 1:58 PM

		SG /	A.11.19 for Linux C	OMPATIBILITY Intr	o Date Apr	ril 2009			
SG, SG OPS, SGeRAC Version Intro/End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/go/hpux-serviceguard- docs	SG Mgr Plug-in Version For Senteguard Manager standatone version Information see "HP Senteguard Manager" at: www.hp.com/go/t-pux-senteguard-doca	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version Intro/End of Support Dates For specific naming conventions for the various SMS bundles please refer to the product release notes at www.hp.com/gohpux-serviceguard-docs	HPVM Additional HPVM information can be found under "HP Serviceguard" White papers at: www.hp.com/go/hpus-serviceguard- does
Note, Extended Distance Cluster (EDC) is a SG co.	Red Hat 5, SLES 10, SLES 11 / Features // Features		A.11.19 for Linux N SGERAC New Feat Additional information can be found in the www.hp.com/gohpux-servicegue	UI'ES 1 rélease notes at			SG SMS	S New Features lease notes at: www.hp.com/go/hpux-serv/ceguard	See HPVM specific support infomration at the end of this document
Complex Dependencies Package Weights Node Capacities IPv6 hostname address family for all clucomponents, with some restrictions Serviceguard can now monitor subnets Online Cluster Configuration Capabilitie Online Modular and Legacy Package C parameters Preview Capabilities Partial-Startup Maintenance Mode Configure up to 300 packages per clust Quorum Server support for up to 150 cl and later Persistent reservations (PR) to control a New Features for A.11.19.01 (August 20: SLES 11 support IPv6 only hosts and quorum server Online maintenance on a modular, fall VLAN support New -k param with cmgetconf (disable Improved support for nested mount po New Features for A.11.19.01 (October: New Serviceguard Manager capabilities enhancements, etc.)	at the IP level, as well as the link level s onfiguration capabilities for most er usters / 300 nodes with QS version A.02.04 access to LUNs 009 Patches): lover package as polling of VG's) ints 2009 Patch):	N/A			N/A				

3/21/2012 4 1:58 PM

		SG A.11.	.18 for HP-UX 11i v	3 COMPATIBILITY	Intro Da	te Sept 2007			
SG, SG OPS, SGeRAC Version Intro/End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/gohpus-serviceguard-docs	SG Mgr Plug-in Version For Serviceguard Manager standalone version information see "HP Serviceguard Manager" at: www.hp.com/go/hpux-serviceguard-docs	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version Intro/End of Support Dates For specific naming conventions for the various SMS bundles please refer to the product release notes at www.hp.com/go/hpux-serviceguard-docs	HPVM Additional HPVM information can be found under "HP Serviceguard" White papers as: www.hp.com/go/ppus-serviceguard-docs
SG/SGERAC A.11.18 Sept 2007 / Sept 2012	HP-UX 11i v3	Integrity PARISC	A.04.20	B.01.01	B.05.00.00	A.02.00.04 A.03.00 single or alternate IP support	VxVM 5.0, CVM 5.0, CFS 5.0 VxVM 4.1 LVM, Shared LVM (SLVM)	A.02.00 for 11iv3 (T2771CB - T2777CB)	See HPVM specific support information at the end of this document
		SG	A.11.18 for 11iv3 N	IEW FEATURES Intro	Date Sep	t 2007			
Note, Extended Distance Cluster (EDC) is a SG cor	Features Ifiguration and all SG compatibility should be assumed service stated	SGeRAC New Features d Additional information can be found in the release notes at www.hp.comigohpus-sen/deguard-docs			SG SMS New Features Additional information can be found in the release notes at: www.hp.com/go/hpux-serviceguard-docs				
*Same as listed below for SG/SGeRAC / *Support for the LAN Monitor mode of A *SG Patch April 2008 adds support for L	PA .	- RAC 9IR2 with SLVM - Cluster size: 16 nodes maximum - Extended Cluster support (up to 100km between sites): With SLVM: 2, 4 nodes (4 nodes requires SLVM v2) - RAC 10gR2 with SLVM, ASM over SLVM and ASM over raw disks/LUs, CVM/CFS 5.0 Cluster size: 16 nodes maximum (CVM/CFS 5.0 - 8 nodes) Extended Cluster support (up to 100k between sites): With SLVM and ASM over SLVM: 2, 4 nodes (4 nodes requires SLVM v2) With ASM over Raw disks: ASM mirroring with Extended Cluster is allowed by			A.02.00 for 11i v3 includes: Symantec Veritas version 5.0 Performance enhancements Support with SGeFF A.01.00 Extended Distance Cluster (EDC) support with SG SMS version 2.0 on HP-UX 11i v3 is available with the following patches: PHCC_38412 - 11.31 vxVM 5.0 GARP2 Commands Patch 02 PHKL_38413 - 11.31 vxVM 5.0 GARP2 Kernel Patch 02 These patches are available from the ITRC patch web site at: http://h71028.www7.hp.com/enterprise/cache/286850-0-0-0-121.html Oracle Details: Support for 10gR2, 11gR1 Oracle RAC 9iR2 is not supported in this version				

3/21/2012 5 1:58 PM

		SG A.1	1.18 for HP-UX 11i v	v2 COMPATIBILITY	Intro Date	June 2007			
SG, SG OPS, SGERAC Version Intro/End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/go/hpux-serviceguard- docs	SG Mgr Plug-in Version For Serviceguard Manager standalone version information see "HP Serviceguard Manager" at: www.hp.com/go/hpux-serviceguard-docs	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version Intro/End of Support Dates For specific naming conventions for the various SMS bundles please refer to the product release notes at www.hp.com/go/hpux-serviceguard-docs	HPVM Additional HPVM information can be found under "HP Serviceguard" White papers at: www.hp.com/go/hpux-serviceguard-docs
SG/SGeRAC A.11.18 June 2007 / June 2012	HP-UX 11i v2	Integrity PARISC	A.04.11	B.01.01	B.05.00.00	A.02.00.04 A.03.00 single or alternate IP support	VxVM 5.0, CVM 5.0, CFS 5.0 VxVM 4.1, CVM 4.1, CFS 4.1 VxVM 3.5, CVM 3.5 LVM, Shared LVM (SLVM)	(T2771CA - T2777CA)	See HPVM specific support information at the end of this document
		SG A.11	.18 for HP-UX 11i v	2 NEW FEATURES	Intro Date	June 2007			
Note, Extended Distance Cluster (EDC) is a SG or unless of	v Features infiguration and all SG compatibility should be assumed herwise stated	SGERAC New Features Additional information can be found in the release notes at www.hp.com/go/hpux-serviceguard-docs			SG SMS New Features Additional information can be found in the release notes at: www.hp.com/go/hpux-serviceguard-docs				
cluster IP Addr, Change network polling New networking support: - Support for Virtual LANs (VLANs) over Port Aggregation, cmmodnet to enable of - Online cluster config: - Change HB interval, Change node times - Multi-node packages - Package dependencies - Package priorities - New Modular package architecture - Lock LUN support on HP-UX - SG Manager Plug-in B.01.01 only (star - Hostmames for cluster nodes extended - SG Patch Oct 2007 adds the following - Legacy to Modular package migration u	APA, Support for LACP_mode of Auto or disable a LAN_name out, Change auto start timeout adding not supported with A.11.18) to 39 characters new functionality: tility, VxVM Volume Monitor, Support for ge Application parameter, SG Halt Reason ross-subnet configurations urrently supported in a cross subnet	Extended Cluster suppor With SLVM: 2 nodes With CVM 3.5, CVM/C 100km between sites) - RAC 10gR2 with SLVM, AS Cluster size with SLVM a Cluster size with SLVM a Cluster size with SLVM a With CVM/CFS 4.1, C 100km between sites) RAC 11gR1 with SLVM, AS Cluster size with SLVM a Cluster size with SLVM a Cluster size with CVM/CF Extended Cluster suppor With SLVM and ASM With CVM/CFS 5.0: 2 (up to 100km between sites)	Monitor 13.5, CVM/CFS 4.1 16 nodes maximum 5, CVM/CFS 4.1, CVM/CFS 5.0: t: t: up to 100km between sites) iFS 4.1, 2,4,6,8 nodes (up to 10 iSM over SLVM, CVM/CFS 4.1, C nd ASM over SLVM: 16 nodes n 54.1, CVM/CFS 5.0: 8 nodes n t: over SLVM: 2 nodes (up to 100k VM/CFS 5.0: 2,4,6,8 nodes (up iSM over SLVM: 16 nodes n 75.0: 8 nodes maximum t: over SLVM: 2 nodes (up to 100k 4,6,6,8 nodes (up to 100k	Okm between sites), 2 nodes (up to EVMCFS 5.0 naximum naximum to	Symantec Support with Oracle Detail Supports Of A.01.01 incluing Symantec Support with Support with Support with Oracle Detail	oracle 9iR2 and 10gR udes: Veritas version 4.1 th SGeFF A.01.00 th HPVM 3.0			

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		SG A	A.11.18 for Linux C	OMPATIBILITY Int	ro Date Ju	ıly 2007			
SG, SG OPS, SGERAC Version Intro/End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/go/hpux-serviceguard-docs	SG Mgr Plug-in Version For Serviceguard Manager standarion version information see "HP Serviceguard Manager" at: www.hp.com/go/hpux-serviceguard-docs	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version Intro/End of Support Dates For specific naming conventions for the various SMS bundles please refer to the product release notes at www.hp.com/go/hpux-serviceguard-docs	нрум
SG/LX A.11.18 July 2007 / - Feb 2012 (for RedHat 4), - Apr 2014 (for RedHat 5) - Apr 2014 (for SLES10)	Red Hat 4, Red Hat 5, SLES10	Integrity and ProLiant	N/A	B.01.01	B.05.00.00	A.02.00.04 A.03.00 single or alternate IP's	N/A	N/A	HPVM 4.0
		SG /	A.11.18 for Linux N	NEW FEATURES Intro	o Date Jun	ne 2007			
SGERAC New Features SG New Features Additional information can be found in the release notes at Additional information can be found in the release notes at: www.hp.com/go/hpux-serviceguard-docs SG SMS New Features Additional information can be found in the release notes at: www.hp.com/go/hpux-serviceguard-docs						-docs			
cluster IP Addr, Change network polling New networking support: -Use cmmodnet to enable or disable a L Online cluster config: -Change HB interval, Change node time Multi-node packages Package dependencies Package priorities New Modular package architecture SG Manager Plug-in B.01.01 only (stan + Hostnames for cluster nodes extended in IPv6 support for data links only SNMP subagent SAF API's for cluster membership and I WBEM provider SG Patch Cot 2007 adds the following r -Legacy to Modular package migration in Support for Alternate Quorum Server S -Package Application parameter -SG Halt Reason environment variable -Support for VMeare Linux guest as SG SG F6b 2008 Patch adds support for cruspport configurations, DeviceMapper mt (DM-MPIO) for application LUNS	adalone not supported with A.11.18) to 39 characters ocking services new functionality: utility ubonet Node (Integrity) Node (ProLiant) oss-subnet	N/A			N/A				
SG Manager Plugin Notes: B.01.01 requires J2SE 1.4.2 or 5.0 or 6.0									

3/21/2012 7 1:58 PM

		SG A.11.1	7.01 for HP-UX 11i	v3 COMPATIBILITY	Intro I	Date Feb 2007			
SG, SG OPS, SGeRAC Version Intro/End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/go/pux-serviceguard-docs	SG Mgr Plug-in Version For Serviceguard Manager standalone version Information see "HP Serviceguard Manager" at: www.hp.com/go/hpux-serviceguard-docs	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version Intro/End of Support Dates For specific naming conventions for the various SMS bundles please refer to the product release notes at www.hp.com/go/hpux-serviceguard-docs	HPVM
SG/SGeRAC A.11.17.01 Feb 2007 / Feb 2012	HP-UX 11i v3	Integrity and PARISC	A.04.11	B.01.00	B.04.00.01	A.02.00.04 A.03.00	VxVM 4.1 LVM, Shared LVM (SLVM)	N/A	N/A
		SG A.11.1	7.01 for HP-UX 11i	v3 NEW FEATURES	Intro	Date Feb 2007			
Note, Extended Distance Cluster (EDC) is a SG co unless oth	SG New Features SGeRAC New Features Note, Extended Distance Cluster (EDC) is a SG configuration and all SG compatibility should be assumed unless otherwise stated Additional information can be found in the release notes at www.hp.com/go/hpux-serviceguard-docs					Additional		S New Features lease notes at: www.hp.com/go/hpux-serviceguard-	docs
HP-UX agile addressing. HP-UX native multipathing and load bal Serviceguard Manager plug-in New networking capabilities: The HP-UX ofrad C- command now is are part of the Serviceguard cluster confi-Supports the LACP_AUTO mode of Au-Supports Virtual LANs (VLANs) over Af 39 byte Hostnames	dentifies network interface cards (NIC's) that guration. to Port Aggregation	All SG New Features plus: - SGeRAC Toolkit for 10gR2 RAC and 11gR1 RAC integration Oracle RAC Compatibility: - RAC 9iR2 with SLVM, - RAC 10gR2 with SLVM, ASM over SLVM and ASM over raw disks/Lus - RAC 11gR1 with SLVM, ASM over SLVM and ASM over raw disks/LUs			N/A				

		SG A.11.17 fc	or HP-UX 11i v2 Upo	date 2 COMPATIBILITY	In	tro Date Dec 20	05			
SG, SG OPS, SGERAC Version Intro/End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/go/hpux-serviceguard- docs	SG Mgr Plug-in Version For Serviceguard Manager standalone version information see "HP Serviceguard Manager" at: www.hp.com/go/hpux-serviceguard-docs	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version Intro/End of Support Dates For specific naming conventions for the various SMS bundles please refer to the product release notes at www.hp.com/go/hpux-serviceguard-docs	нрум	
SG/SGeRAC A.11.17 Dec 2005 / Dec 2010	HP-UX 11iv2U2	Integrity and PARISC	A.04.11	NA	B.04.00.00	A.02.00.03 A.03.00	VxVM 5.0, VxVM 4.1, CVM 4.1, CFS 4.1 VxVM 3.5, CVM 3.5 LVM, Shared LVM (SLVM)	A.01.00	N/A	
		SG A.11.17 fc	or HP-UX 11i v2 Upo	date 2 NEW FEATURES	lı	ntro Date Dec 20	05			
Note, Extended Distance Cluster (EDC) is a SG co unless off	/ Features Infiguration and all SG compatibility should be assumed service stated	SGERAC New Features Additional information can be found in the release notes at www.hp.com/go/hpux-sen/ceguard-docs				SG SMS New Features Additional information can be found in the release notes at: www.hp.com/go/hpux-serviceguard-docs				
Support for VxVM /VxFS 5.0 Support for CFS/CVM 4.1, maximum 8 Multi-node package is now supported for Several new Serviceguard commands I Simple dependencies are introduced for Support for Distributed Systems Admini-Tested with security containment + HP Fabric Clustering System for (No Stnetworks using IPollS. Support for HPVM 1.2, 2.0, 3.0 & 3.5 Supports the LACP_AUTO mode of Au	or HP-specified applications. nave been added for CFS support. r HP-specified applications. stration Utilities (DSAU). uggestions) as cluster heartbeat and data	maximum 8 nodes Oracle 10gR2 RAC with S simple dependencies Support for a maximum of - Support for Shared LVM S - Support for Shared LVM O - Support for Stared LVM O - Support for Oracle fo - Support for Oracle ASM wi group members must be raw the multinode packages (MNI without MNP's and dependen - SGeRAC Toolkit for Oracle - Extended Distance Cluster up to 8 nodes with a maxin 10km	GeRAC A.11.17 can be configur 16 node clusters when using Sh ngle Node Online Volume Reco nline Node Addition and Deletior reground Server Processes for 6 N SGeRAC, requires: SGeRAC volumes managed by SLVM; m:) and simple dependencies inte cies 110gR2 RAC and 11gR1 integra support with CVM 4.1 or CFS 4.1 num distance between data cent num distance between data cent 13.5, CVM 4.1, or CFS 4.1 CVM 3.5 M 4.1 or CFS 4.1 rer SLVM	Infiguration (SNOR). Dracle 9iR2 RAC A.11.17, Oracle 10gR2, and ASM disk aximum 16 nodes when configured with agration framework, maximum 16 nodes ation 1: ters of	•Support with	1 HPVM 2.0, 3.0, & 3	.5			

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	SG A.11.16.02 for Linux COMPATIBILITY Intro Date July 2005										
SG, SG OPS, SGeRAC Version Intro/End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/go/hpux-serviceguard- docs	SG Mgr Plug-in Version For Serviceguard Manager standalone version Information see "HP Serviceguard Manager" at: www.hp.com/go/hpux-serviceguard-docs	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version Intro/End of Support Dates For specific naming conventions for the various SMS bundles pease refer to the product release notes at www.hp.com/go/hpux-serviceguard-docs	HPVM		
SG/LX A.11.16.02 July 2005 / Oct 2009	Red Hat Enterprise Linux 4, AS or ES	ProLiant Integrity	N/A	N/A	B.03.01.00	A.02.00.03 A.03.00	N/A	N/A	N/A		
	SG A.11.16.02 for Linux New Features Intro Date July 2005										
	Features		SGeRAC New Featu Additional information can be found in the www.hp.com/go/hpux-servicegua	release notes at rd-docs		Additional		S New Features elease notes at: www.hp.com/go/hpux-sen/ceguard-	docs		
Support Red Hat EL 4		N/A			N/A						

SG A.11.16.01 for Linux COMPATIBILITY Intro Date Feb 2005										
	5, SG OPS, SGeRAC Version /End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/go/hpus-serviceguard- docs	SG Mgr Plug-in Version For Serviceguard Manager standalone version information see "HP Serviceguard Manager" at: www.hp.com/go/hpux-serviceguard-docs	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version Intro/End of Support Dates For specific naming conventions for the various SMS bundles please refer to the product release notes at www.hp.com/go/hpux-serviceguard-docs	НРУМ
SG/LX A.11.16.0 Feb 2005 2011 (for	01 5 / Oct 2010 (for RedHat), July SLES9)	Red Hat Enterprise Linux 3, AS or ES (WS is not supported) SUES Linux Enterprise Server (SLES) 9	ProLiant Integrity	N/A	N/A	B.03.01.00	A.02.00.03 A.03.00	N/A	N/A	N/A
	SG A.11.16.01 for Linux NEW FEATURES Intro Date Feb 2005									
		Features		SGeRAC New Featu Additional information can be found in the www.hp.com/go/hpux-servicegus	release notes at rd-docs		Additional		S New Features lease notes at: www.hp.com/go/hpux-serviceguard	docs
	Support for access control policies Support for GUI based configuration using Serviceguard Manager A.04.02		N/A			N/A				

		SG A.11.16 for HP	-UX 11i v1 and 11i v	v2 Update 2 COMPATIBI	LITY	Intro Date	Oct 2004			
SG, SG OPS, SGERAC Version Intro/End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/go/hpus-serviceguard-docs	SG Mgr Plug-in Version For Serviceguard Manager standalone version information see "HP Serviceguard Manager" at: www.hp.com/go/hpux-serviceguard-docs	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version Intro/End of Support Dates For specific naming conventions for the various SMS bundles please refer to the product release notes at www.hp.com/go/hpux-serviceguard-docs	НРУМ	
SG/SGERAC A.11.16 Oct 2004 / Dec 31, 2013 with 11i v1 Oct 2004/ Jun 30 2009 with 11i v2	HP-UX 11i v1 HP-UX 11i v2 U2	PARISC only Integrity & PARISC	EMS A.04.00.02		B.03.00.00 B.03.00.01	A.02.00.01 A.03.00	VxVM 3.5, CVM 3.5 LVM, Shared LVM (SLVM)	N/A	N/A	
SG A.11.16 for HP-UX 11i v1 and 11i v2 Update 2 NEW FEATURES Intro Date Oct 2004										
Note, Extended Distance Cluster (EDC) is a SG oc unless otl	V Features Infiguration and all SG compatibility should be assumed nerwise stated	www.hp.com/go/hpux-serviceguard-docs			SG SMS New Features Additional information can be found in the release notes at: www.hp.com/go/hpux-sen/ceguard-docs				-docs	
Mixed node support HP 9000 and HP Ir Support for 16 node clusters on HP Intel IP over IB support for SG Heartbeat with IP are support with SG on HP-UX 11/s/2 lplatforms including mixed node clusters, for Security Containment on HP-UX 11/s - Support for HPVM 1.2, 2.0, 3.0 & 3.5 or	egrity n required patches (as of Apr'05) May 2005 release on Integrity and PA Also in this release is Serviceguard support 2.		M 3.5	(as of Apr'05)	N/A					

		SG A.11.16 fo	r HP-UX 11i v1 and	11i v2 COMPATIBILITY	In	ntro Date June 20	004		
SG, SG OPS, SGERAC Version Intro/End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/go/phpw-serviceguard-docs	SG Mgr Plug-in Version For Serviceguard Manager standalone version Information see "HP Serviceguard Manager" at: www.hp.com/go/hpus-serviceguard-docs	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version Intro/End of Support Dates For specific naming conventions for the various SMS bundles please refer to the product release notes at www.hp.com/go/hpux-serviceguard-docs	HPVM
SG/SGeRAC A.11.16 Jun 2004 / Dec 31, 2013 with 11i v1 June 2004/ Jun 30 2009 with 11i v2	HP-UX 11i v1 HP-UX 11i v2	PARISC only Integrity & PARISC	EMS A.04.00.02		B.03.00.00 B.03.00.01	A.02.00	VxVM 3.5, CVM 3.5 LVM, Shared LVM (SLVM)	N/A	N/A
SG A.11.16 for HP-UX 11i v1 and 11i v2 NEW FEATURES Intro Date June 2004									
Note, Extended Distance Cluster (EDC) is a SG or unless of	Features Infiguration and all SG compatibility should be assumed nerwise stated	SGERAC New Features Additional information can be found in the release notes at www.hp.com/go/hpux-serv/ceguard-docs			SG SMS New Features Additional information can be found in the release notes at: www.hp.com/go/hpux-serviceguard-docs				-docs
Support access control policies with rec Support for faster failover Support for Network Monitoring	uuired patches (as of Apr'05)	All New SG Features Plus: Enhanced RAC monitoring RAC packaging through Se RAC 100 KM Extended Dist maximum 2 nodes Oracle RAC Compatibility: - RAC 9.2 with SLVM or CVI - RAC 10gR1 with SLVM RAC 10gR2 with SLVM	viceguard Manager A.04.00 ance Cluster (requires RAC 9.2 c	or 10gR2) with SLVM or CVM 3.5,	N/A				

		SG A.	11.15.02 for Linux (COMPATIBILITY In	ntro Date A	pril 2003				
SG, SG OPS, SGeRAC Version Intro/End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/go/ppus-serviceguard- docs	SG Mgr Plug-in Version For Serviceguard Manager standalone version information see "HP Serviceguard Manager" at: www.hp.com/go/hpux-serviceguard-docs	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version Intro/End of Support Dates For specific naming conventions for the various SMS bundles please refer to the product release notes at www.hp.com/go/hpux-serviceguard-docs	HPVM	
SG/LX A.11.15.02 April 2004 / April 2006	Linux Red Hat EL 3	Integrity ProLiant	N/A	N/A	B.02.02.01	A.02.00	N/A	N/A	N/A	
	SG A.11.15.02 for Linux NEW FEATURES Intro Date April 2004									
SG New Features			SGERAC New Featu Additional information can be found in the www.hp.com/go/hpuv-servicegua	release notes at rd-docs		Additional		S New Features ilease notes at: www.hp.com/gohpux-serviceguard-	docs	
Red hat Enterprise Linux 3 update 1 support with ProLiant and Integrity servers		N/A			N/A					

		SG A.11	.15.01 for Linux CC	MPATIBILITY Intro	Date Nove	ember 2003				
SG, SG OPS, SGeRAC Version Intro/End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/go/phpw-serviceguard-docs	SG Mgr Plug-in Version For Serviceguard Manager standation eversion information see "HP Serviceguard Manager" at: www.hp.com/go/hpux-serviceguard-docs	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version Intro/End of Support Dates For specific naming conventions for the various SMS bundles perder to the product release notes at www.hp.com/go/hpux-serviceguard-docs	НР∨М	
SG/LX A.11.15.01 Nov 2003 / Nov 2007	Linux SLES 8 (SP3 and later)	Integrity ProLiant	N/A	N/A	B.02.02.01	A.02.00	N/A	N/A	N/A	
	SG A.11.15.01 for Linux NEW FEATURES Intro Date November 2003									
SG New Features		SGERAC New Features Additional information can be found in the release notes at www.hp.com/go/hpux-serviceguard-docs			SG SMS New Features Additional information can be found in the release notes at: www.hp.com/go/hpux-serviceguard-docs					
HP Integrity Server support Cluster Lock LUN support		N/A			N/A					

	SG A.11.	15 for HP-UX 11i v	/2 and 11iv2 Update	e 2 on <u>Integrity</u> COMPATI	BILITY	Intro D	ate September 2003			
SG, SG OPS, SGERAC Version Intro/End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/go/hpu-serviceguard- docs	SG Mgr Plug-in Version For Serviceguard Manager standalone version information see "HP Serviceguard Manager" at: www.hp.com/go/hpux-serviceguard-docs	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version Intro/End of Support Dates For specific naming conventions for the various SMS bundles please refer to the product release notes at www.hp.com/go/hpux-serviceguard-docs	н₽∨м	
SG/SGeRAC A.11.15 Sept 2003 / Sept 2006	HP-UX 11i v2 HP-UX 11i v2 U2	Integrity	A.04.00.01	N/A	B.02.02		VxVM 3.5, CVM 3.5 LVM, Shared LVM (SLVM)	N/A	N/A	
	SG A.11.15 for HP-UX 11i v2 and HP-UX 11i v2 Update 2 on Integrity NEW FEATURES Intro Date September 2003									
Note, Extended Distance Cluster (EDC) is a SG or unless of	Features Infiguration and all SG compatibility should be assumed nerwise stated Infiguration and all SG compatibility should be assumed nerwise stated		SGERAC New Featu Additional information can be found in the www.hp.com/go/hpux-serv/cegua	release notes at rd-docs		Additional		5 New Features lease notes at: www.hp.com/gohpux-serviceguard-	docs	
Supports only HP Integrity servers VPar support with SG on HP-UX 11iv2 I	May 2005 release on Integrity platforms only	Supports only HP Integrity se	ervers		N/A					

		SG A.11.15 for	HP-UX 11i v1 on <u>F</u>	PARISC COMPATIBILITY	I	ntro Date June 2	003			
SG, SG OPS, SGeRAC Version Intro/End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/go/hpu-serviceguard-docs	SG Mgr Plug-in Version For Serviceguard Manager standalone version information see "tHP Serviceguard Manager" at: www.hp.com/go/hpux-serviceguard-docs	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version Intro/End of Support Dates For specific naming conventions for the various SMS bundles please refer to the product release notes at www.hp.com/go/hpuv-serv/ceguard-docs	НР∨М	
SG/SGeRAC A.11.15 Jun 2003 / Jun 2006	HP-UX 11.i v1	PARISC	A.04.00 A.04.00.01	N/A		A.01.00 A.01.01 A.02.00 A.03.00	VxVM 3.5, CVM 3.5 LVM, Shared LVM (SLVM)	N/A	N/A	
SG A.11.15 for HP-UX 11i v1 on PARISC NEW FEATURES Intro Date June 2003										
Note, Extended Distance Cluster (EDC) is a SG cor unless oth	/ Features Infiguration and all SG compatibility should be assumed errwise stated		SGeRAC New Feat Additional information can be found in the www.hp.comigo/hpux-servicegus	release notes at rd-docs		Additional		S New Features elease notes at: www.hp.com/go/hpux-serviceguard-	docs	
Ipv6 support Quorum server as a package Automatic probe of networks with cmrur Can limit cmcheckconf connectivity cher		All New SG Features Plus: Fast detection of Oracle inst DB and group membership Rolling upgrade enabled for SG unbundled from SGeRA	displayed via SG Mgr future versions		N/A					

	SG A.11.14.02 for Linux COMPATIBILITY Intro Date December 2002								
SG, SG OPS, SGeRAC Version Intro/End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/go/pup-serviceguard- docs	SG Mgr Plug-in Version For Serviceguard Manager standalone version information see "HP Serviceguard Manager" at: www.hp.com/go/hpus-serviceguard-docs	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version Intro/End of Support Dates For specific naming conventions for the various SMS bundles please refer to the product release notes at www.hp.com/go/hpux-serviceguard-docs	н₽∨м
SG/LX A.11.14.02 Jul 2003 / Jul 2005 (SLES8), Jan 2003 / May 2009 (RedHat)	Linux –RH EL 2.1, SLES8	ProLiant	N/A	N/A		A.02.00 A.03.00	N/A	N/A	N/A
SG A.11.14.02 for Linux NEW FEATURES Intro Date December 2002									
	⁷ Features		SGERAC New Featu Additional information can be found in the www.hp.com/go/hpux-serv/cegua	release notes at rd-docs		Additional		S New Features lease notes at: www.hp.com/go/hpux-serviceguard-	does
ProLiant Server support, 16 node cluster support		N/A			N/A				

		SG A.11.14	4.01 for HP-UX 11i v	v1.6 COMPATIBILITY	Intro Date July 2002				
SG, SG OPS, SGeRAC Version Intro/End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/go/hpu-serviceguard- docs	SG Mgr Plug-in Version For Serviceguard Manager standalone version information see "HP Serviceguard Manager" at: www.l-p.com/go/hpux-serviceguard-docs	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version Intro/End of Support Dates For specific naming conventions for the various SMS bundles please refer to the product release notes at www.hp.com/go/hpux-serviceguard-docs	НРУМ
SG/SGeRAC A.11.14.01 Jul 2002 / Dec 2005	HP-UX 11i v1.6	Integrity	A.03.40	N/A	B.02.01	A.01.01 A.02.00 A.03.00	VxVM 3.5, CVM 3.5 LVM, Shared LVM (SLVM)	N/A	N/A
SG A.11.14.01 for HP-UX 11i v1.6 NEW FEATURES Intro Date July 2002									
Note, Extended Distance Cluster (EDC) is a SG co unless oth	/ Features Infiguration and all SG compatibility should be assumed envise stated		SGeRAC New Featt Additional information can be found in the www.hp.com/gohpux-servicegua	release notes at rd-docs		Additional		S New Features lease notes at: www.hp.com/go/hpux-sen/ceguard	docs
1st version supported on HP Integrity Se	ervers, with some configuration limitations	All New SG Features Plus: New name for SG OPS: SG SG unbundled from SGeRA			N/A				

		SG A.11.14 fo	or HP-UX 11.0 and 1	1i v1 COMPATIBILITY	Intro Date March 2002				
SG, SG OPS, SGERAC Version Intro/End of Support Dates	OS Version	Hardware Platform	EMS & HA Monitors Version Additional information can be found in the release notes at www.hp.com/go/hpu-serviceguard- docs	SG Mgr Plug-in Version For Serviceguard Manager standation eversion information see "HP Serviceguard Manager" at: www.hp.com/go/hpux-serviceguard-docs	COM Version	QS Version	Volume Managers Note CFS is supported only as part of the SMS CFS bundle	SG SMS Version Intro/End of Support Dates For specific naming conventions for the various SMS bundles please refer to the product release notes at www.hp.com/go/hpux-serviceguard-docs	НР∨М
SG/SG OPS A.11.14 Mar 2002 / Dec 2006	HP-UX 11.0		EMS A.03.20 EMS A.03.20.01, EMS A.04.00, & EMS A.04.00.01		w/patch PHSS_2799 1) B.01.04 and	A.01.01 A.02.00 A.03.00 A.01.00 A.01.01	LVM, Shared LVM (SLVM)	N/A	N/A
	SG A.11.14 for HP-UX 11.0 and 11i v1 NEW FEATUR						002		
Note, Extended Distance Cluster (EDC) is a SG co	/ Features Infiguration and all SG compatibility should be assumed nerwise stated	SGERAC New Features Additional information can be found in the release notes at www.hp.com/go/hpux-serviceguard-docs			SG SMS New Features Additional information can be found in the release notes at: www.hp.com/go/hpux-serv/ceguard-docs				
SG Mgr admin support, includes Quoru Performance Enhancements in control Defect fixes Support for up to 150 packages (note pa	scripts	All New SG Features			N/A				

Serviceguard and Integrity VM Supp

Integrity VM Release	VM's as Serviceguard Packages Serviceguard running on the HP-UX VM host	VM's as HP-UX Serviceguard Nodes Serviceguard running on the HP-UX VM guest	VM's as Linux Serviceguard Nodes Serviceguard running on the Linux VM guest
A.01.20 Runs on 11i v2 hosts only	Serviceguard release: - A.11.16 - A.11.17 - A.11.17 with SMS A.01.00 (*1)	Serviceguard release: - Not supported	Serviceguard release: - Not supported
A.02.00 Runs on 11i v2 hosts only	Serviceguard release: - A.11.16 - A.11.17 - A.11.17 with SMS A.01.00 (*1)	Serviceguard release: - A.11.16 - A.11.17 with SMS A.01.00 (*1)	Serviceguard release: - Not supported
A.03.00 Runs on 11i v2 hosts only	Serviceguard release: - A.11.16 - A.11.17 - A.11.17 with SMS A.01.00 (*1) - A.11.18 - A.11.18 with SMS A.01.01 (*1)	Serviceguard release: - A.11.16 - A.11.17 - A.11.17 with SMS A.01.00 (*1) - A.11.17.01 (11i v3) - A.11.18 (11i v2, 11i v3) - A.11.18 with SMS A.01.01 (11i v2) (*1)	Serviceguard release: - A.11.18 (Linux Red Hat Release 4 Update 4,5)
A.03.50 Runs on 11i v2 (Dec 2007 or later) VM hosts only	Serviceguard release: - A.11.16 - A.11.17 - A.11.17 withSMS A.01.00 (*1) - A.11.18 - A.11.18 with SMS A.01.01 (*1) - A.11.18 with SMS A.01.01 (*1) - A.11.18 with SMS A.02.00 (*1)	Serviceguard release: - A.11.16 - A.11.17 - A.11.17 with SMS A.01.00 (*1,*2) - A.11.17.01 (11iv3) - A.11.18 (11iv2, 11iv3) - A.11.18 with SMS A.01.01 (11i v2) (*1,*2) - A.11.18 with SMS A.02.00 (11i v2) (*1,*2) - A.11.18 with SMS A.02.00 (11i v3) (*1,*2)	Serviceguard release: - A.11.18 (Linux Red Hat Release 4 Update 4/5, SLES10 Update 1)
B.04.00 Runs on 11i v3 (Sept 2008 or later) VM Hosts only	Serviceguard release: - A.11.18 - A.11.18 with SMS A.02.00 (*1) - A.11.19 - A.11.19 with SMS A.02.01 (*1)	Serviceguard release: - A.11.18 (11i v2, 11i v3) - A.11.18 with SMS A.02.00 (11i v2, 11i v3) ("1,"2) - A.11.19 (11iv2, 11iv3) - A.11.19 with SMS A.02.01 (11i v2, 11i v3) (1.2)	Serviceguard release: - A.11.18 (Linux Red Hat Release 4 Update 5, SLES10 Update 1/2) - A.11.19 (Linux SLES10 Update1,2)
B.04.10 ('4) Runs on 11i v3 (April 2009 or later) VM Hosts only	Serviceguard release: - A.11.18 - A.11.18 with SMS A.02.00 (*1) - A.11.19 - A.11.19 with SMS A.02.01, A.02.01.01, A.03.00 (*1) - A.11.20 - A.11.20 with SMS A.03.01 (*1)	Serviceguard release: - A.11.18 (11i v2, 11i v3) - A.11.18 with SMS A.02.00 (11i v2, 11i v3) (*1.2) - A.11.19 (11iv2, 11iv3) - A.11.19 (11iv2, 11iv3) - A.11.19 with SMS A.02.01 or A.02.01.01 (11i v2, 11i v3) (*1,2) - A.11.19 with SMS A.03.00 (11i v3) (*1,2) - A.11.20 - A.11.20 with SMS A.03.01 (11i v3) (*1,2)	Serviceguard release: - A.11.18 (Linux Red Hat Release 4 Update 5, SLES10 Update1,2) - A.11.19 (Linux SLES10 Update 1,2)
B.04.20 (*4) B04.20.5 (*4) Runs on 11i v3 (March 2010 or later) VM Hosts only	Serviceguard release: - A.11.19 - A.11.19 with SMS A.02.01, A.02.01.01 or A.03.00 (*1,3) - A.11.20 - A.11.20 with SMS A.03.01 (*1,3)	Serviceguard Release: - A.11.19 (11iv2 and 11iv3) (*3) - A.11.19 with SMS A.02.01, A.02.01.01 (11i v2 and 11i v3) (*1,2,3) - A.11.19 with SMS A.03.00 (11i v3) (*1,2,3) - A.11.20 with SMS A.03.01 (11iv3) (*1,2,3)	Serviceguard for Linux release: - A.11.19 (Linux SLEX 10 Update 1&2)
B.04.30 Runs on 11i v3 (April 2011 or later) VM Hosts only	Serviceguard release: - A.11.20 - A.11.20 with SG SMS A.03.01 (*1,2,3), A.03.02, A.04.0x (*1,3) - NPIV disk monitoring support with the patch HPVM 4.3-PK2	Serviceguard release: - A.11.20 - A.11.20 with SG SMS A.03.01 (*1,2,3), A.03.02, A.04.0x (*1,3)	Serviceguard for Linux release: - None - Linux is no longer supported beginning with 4.3

	0	lo :						
	Serviceguard release:	Serviceguard release:	Serviceguard for Linux release:					
	- A.11.20	- A.11.20	- None - Linux is no longer supported beginning with 4.3					
	- A.11.20 with SG SMS A.03.01 (*1,2,3), A.03.02, A.04.0x (*1,3)	- A.11.20 with SG SMS A.03.01 (*1,2,3), A.03.02, A.04.0x (*1,3)						
HPVM/vPar	- NPIV disk monitoring support							
B.06.10	- DIO network interface monitoring support							
	- DIO Network interface monitoring support							
Runs on 11i v3 (March 2012 or								
later) VM Hosts only								
*1) Since Oracle RAC is not supported in	VM quests, and Oracle single-instance and RAC is not recommended fo	r use on VM hosts, support for the Serviceguard Storage Management Suite (SMS) A.01	.00 / A.01.01 / A.02.00 / A.02.01 / A.03.00 / A.03.01 with HP Integrity Virtual Machines is limited to the following					
bundles:	ÿ, ÿ	,,	3,					
VM Hosts:								
VM MUSIS: T2771x HP Servicequard Storage Management								
12/17/mm r Serviceguard Storage Wanagement T27/72x P Serviceguard Storage Wanagement Premium								
T2775xx HP Serviceguard Cluster File System								
VM Guests:								
T2771xx HP Serviceguard Storage Mana								
T2772xx HP Serviceguard Storage Management Premium								
T2773xx HP Serviceguard Storage Management for Oracle								
T2774xx HP Serviceguard Storage Management for Oracle Premium								
T2775xx HP Serviceguard Cluster File System								
T2776xx HP Serviceguard Cluster File System for Oracle								
	Management Suite (SMS) A.01.00 / A.01.01 / A.02.00 / A.02.01 / A.03.00 /	A.03.01 capabilities are not supported in HP Integrity VM guests:						
- Cross Platform Data Sharing (CDS) disk format (VxVM disk groups must be created using the "cds=off" option)								
- Enclosure Based Names (EBN)								
*3) Not supported with HPVM 4.2 NPIV (N_Port ID Virtualization) or PI (PI = Portable Image) features.								
*4) Only Serviceguard A.11.20 is supported with Integrity VM (B.04.10, B.04.20, B.04.20.5) Online VM Migration								
4) Only Contrological P. F. F. Control Supported that integrity with [2,04-10, 0.04-20, 0.04-								
'5) Please reference the following document for device support information on Symantec products for use with HP Integrity Virtual Machines (http://docs.hp.com/en/5992-4022/5992-4022.htm)								

HP Integrity VM (B.04.10, B.04.20, B.04.20.5) Host Support Matrix for Serviceguard Storage Management Suite (SMS) Version A.02.01, A.03.00, A.03.01 Products Installed on VM Host

	VM as Serviceguard Node Configurations	
HP Software Product (installed in VM host)	Serviceguard VM as Package Configurations VM as Serviceguard package and VM as Serviceguard node configurations are supported running on the same VM hosts in separate Serviceguard clusters	VM as Serviceguard node configurations support only whole-disk backingstore virtual disks and cannot use any volume manager or file system features available on the VM host VM as Serviceguard package and VM as Serviceguard node configurations are supported running on the same VM hosts in separate Serviceguard clusters
T2771xx - HP Serviceguard Storage Management	Yes, VM as Serviceguard package configurations requiring only whole-disk backingstore virtual disks (e.g., VM guests using online VM migration) cannot use any volume manager or file system features available on the VM host	Yes
T2773xx - HP Serviceguard Storage Management for Oracle	Yes, VM as Serviceguard package configurations requiring only whole-disk backingstore virtual disks (e.g., VM guests using online VM migration) cannot use any volume manager or file system features available on the VM host Oracle single-instance DBs are not supported for use on VM hosts; however other Serviceguard Storage Management Suite functions (e.g., volume snapshots / checkpoints) are supported on the VM host	Yes, Oracle single-instance DBs are not supported for use on VM hosts; however other Serviceguard Storage Management Suite functions (e.g., volume snapshots / checkpoints) are supported on the VM host
T2774xx - HP Serviceguard Storage Management for Oracle Premium	Yes, VM as Serviceguard package configurations requiring only whole-disk backingstore virtual disks (e.g., VM guests using online VM migration) cannot use any volume manager or file system features available on the VM host Oracle single-instance DBs are not supported for use on VM hosts; however other Serviceguard Storage Management Suite functions (e.g., volume snapshots / checkpoints) are supported on the VM host	Yes, Oracle RAC DBs are not supported for use on VM hosts or VM guests
T2775xx - HP Serviceguard Cluster File System	Yes, VM as Serviceguard package configurations requiring only whole-disk backingstore virtual disks (e.g., VM guests using online VM migration) cannot use any volume manager or file system features available on the VM host	Yes
T2777xx - HP Serviceguard Cluster File System for RAC	No, Oracle RAC DBs are not supported for use on VM hosts or VM guests	No, Oracle RAC DBs are not supported for use on VM hosts or VM guests

HP Integrity VM (B.04.10, B.04.20, B.04.20.5) Guest Support Matrix for Serviceguard Storage Management Suite (SMS) Version A.02.01, A.03.00, A.03.01 Products Installed in VM Guest

HP Software Product (installed in VM guest)	Online VM Migration - VM as Serviceguard Package VM as Serviceguard package configurations requiring only whole-disk backingstore virtual disks (e.g., VM guests using online VM migration) cannot use any volume manager or file system features available on the VM host	Online VM Migration – VM as Serviceguard Node	Offline Migration (hpvmmigrate)	Offline Migration - VM as Serviceguard Package Failover VM as Serviceguard package configurations requiring only wholedisk backingstore virtual disks (e.g., VM guests using online VM migration) cannot use any volume manager or file system features available on the VM host
T2771xx - HP Serviceguard Storage Management	No, Serviceguard SMS requires Serviceguard running in the VM guest, which is not supported in VM as Serviceguard package configurations	No, Online migration of VMs as Serviceguard node configurations is not supported at this time	Yes, Cross Platform Data Sharing (CDS) disk format (i.e., VxVM and CVM disk groups must be created using the "cds=off" option) and Enclosure Based Names (ERN) are	No, Serviceguard SMS requires Serviceguard running in the VM guest, which is not supported in VM as Serviceguard package configurations
T2773xx - HP Serviceguard Storage Management for Oracle	No, Serviceguard SMS requires Serviceguard running in the VM guest, which is not supported in VM as Serviceguard package configurations	No. Online migration of VMs as Serviceguard node configurations is not supported at this time	Yes, Cross Platform Data Sharing (CDS) disk format (i.e., VxVM and CVM disk groups must be created using the "cds-off"	No, Serviceguard SMS requires Serviceguard running in the VM guest, which is not supported in VM as Serviceguard package configurations
T2774xx - HP Serviceguard Storage Management for Oracle Premium	No, Serviceguard SMS requires Serviceguard running in the VM guest, which is not supported in VM as Serviceguard package configurations	No, Online migration of VMs as Serviceguard node configurations is not supported at this time	Yes, Cross Platform Data Sharing (CDS) disk format (i.e., VxVM and CVM disk groups must be created using the "cds=off" option) and Enclosure Based Names (EBN) are not supported in VM guests	No, Serviceguard SMS requires Serviceguard running in the VM guest, which is not supported in VM as Serviceguard package configurations
T2775xx - HP Serviceguard Cluster File System	No, Serviceguard SMS requires Serviceguard running in the VM guest, which is not supported in VM as Serviceguard package configurations	No, Online migration of VMs as Serviceguard node configurations is not supported at this time	Yes, Cross Platform Data Sharing (CDS) disk format (i.e., VxVM and CVM disk groups must be created using the "cds=off" option) and Enclosure Based Names (EBN) are not supported in VM guests	No, Serviceguard SMS requires Serviceguard running in the VM guest, which is not supported in VM as Serviceguard package configurations
T2777xx - HP Serviceguard Cluster File System for RAC	No, Serviceguard SMS requires Serviceguard running in the VM guest, which is not supported in VM as Serviceguard package configurations	No, Online migration of VMs as Serviceguard node configurations is not supported at this time	No, Oracle RAC DBs are not supported for use on VM hosts or VM quests	No, Serviceguard SMS requires Serviceguard running in the VM guest, which is not supported in VM as Serviceguard package configurations