

CHANGHONG SVP 700 存储虚拟化网关

系统兼容支持查询手册

SVP 700 6.x 系统

2020 年 12 月 29 日

概述

CHANGHONG SVP 700 存储虚拟化网关可以为任务关键型应用程序提供连续数据可用性、透明的数据移动性和无中断的数据迁移。通过为业务关键型工作负载提供超过 7 个 9 的可用性，可使全闪存基础架构或混合阵列的投资回报实现最大化。

CHANGHONG SVP 700 存储虚拟化网关还会创建一个灵活的存储体系结构，这可为 IT 团队提供响应快速业务和技术变化所需的敏捷性，同时最大限度地提高跨主动-主动数据中心的资产利用率。

SVP 700 存储虚拟化网关使 IT 组织能够构建始终可用且不会中断的数据中心基础架构。通过实施 SVP 700 存储虚拟化网关独特的分布式缓存一致性，可同时从两个存储系统读取/写入完全相同的数据。这进而可确保业务关键型应用程序情形的正常运行时间，实现跨主机阵列的无缝数据移动性，无需中断主机。

兼容硬件系统

存储厂商	型号	系统版本	SVP 系统 版本
CHANGHONG	SAN 存储全型号	全版本	全版本
Dell	SC4020	6.7.50 - 7.4.x	6.x
	SC8000	6.7.50 - 7.4.x	6.x
	SCv2000	6.7.50 - 7.4.x	6.x
	SC9000	6.7.50 - 7.4.x	6.x
	SC7020	7.2.11 - 7.4.x	6.x
	SC5020	7.2.11 - 7.4.x	6.x
	SCv3020	7.2.11 - 7.4.x	6.x
	VNX1, VNX2	OE: 05.x	6.x
	UNITY, UNITY XT 系列	4.2.x - 5.0.x	6.x
	PowerStore 系列	PowerStoreOS 1.0.x	6.x
Fujitsu	Eternus DX8700 S2	V10L25-V10L60	6.x
	DX8x00, 8000 M1200/M2200	仅支持迁移, 最新固件	6.x
	DX440/DX410	仅支持迁移, 最新固件	6.x
	DX4000/M600	仅支持迁移, 最新固件	6.x
	DX440 S2/DX410 S2	V10L20-V10L60	6.x
	DX80/DX90	仅支持迁移, 最新固件	6.x
	DX80 S2/DX90 S2	V10L25-V10L60	6.x

	ETERNUS DX8100 S3/DX8700 S3/DX8900 S3	VI0L50 - VI0L82	6.x
	ETERNUS DX500 S3/DX600 S3	VI0L32 - VI0L82	6.x
	ETERNUS DX100 S3/DX200 S3	VI0L32 - VI0L82	6.x
	ETERNUS DX60 S3	VI0L50 - VI0L82	6.x
	ETERNUS DX8900 S4	VIII10	6.x
	ETERNUS DX500 S4/DX600 S4	VI0L80 - VI0L82	6.x
	ETERNUS DX100 S4/DX200 S4	VI0L70 - VI0L82	6.x
	ETERNUS DX60 S4	VI0L70 - VI0L82	6.x
	ETERNUS DX200F	VI0L32 - VI0L82	6.x
	ETERNUS AF650/AF250	VI0L60 - VI0L82	6.x
	ETERNUS AF S2 系列	VI0L80 - VI0L82	6.x
HDS	VSP G1xxx and F1xxx 系列	80-02-03 - 80-06-42	6.x
	VSP 系列	70-06-53-00 & below	6.x
	HDS USP	仅支持迁移, 最新固件	6.x
	HDS USP-V/VM	仅支持迁移, 最新固件	6.x
	AMS2xxx	0872/E-M	6.x
	HUS 1xx	0937/A - 0983/B	6.x
	HUS VM	73-03-01 - 73-03-47	6.x
HPE	P9500	70-03-38 - 70-06-32	6.x
	P2000 G3	TS250P003 & Below	6.x
	XP 48/128/512/1K/10K/12K	仅支持迁移, 最新固件	6.x
	XP 20K/24K	60-08-49 - 60-08-55	6.x
	EVA 4/5/6/8xxx	仅支持迁移, 最新固件	6.x

	EVA P6xxx	11001000-13000000	6.x
	3PAR E Series	仅支持迁移，最新固件	6.x
	3PAR T and V Series	仅支持迁移，最新固件	6.x
	3PAR F and P Series	3.1.1 - 3.2.2	6.x
	S Series	3.1.1 - 3.2.2	6.x
	StoreServ 7xxx / 1xxxx / 7xxxx/8xxx/2xxxxx Series	3.1.1 - 3.3.1	6.x
	3PAR 8xxx/9xxx	3.3.1.x	6.x
	Nimble Storage CS700/AF20/AF40/AF60/AF80/ AF7000/HF20/HF40/HF60	5.0.x – 5.3.x	6.x
IBM	DS8xxx	64.36.x.x - 88.1.x.x	6.x
	DS4800	仅支持迁移，最新固件	6.x
	DS4700	仅支持迁移，最新固件	6.x
	DS5020	07-83.x.x - 07.84.xx.xx	6.x
	DS5100	07-83.x.x - 07.84.xx.xx	6.x
	DS 5300	07-77.x.x - 07.84.xx.xx	6.x
	XIV	10.2.x.x - 11.6.x.x	6.x
	SVC	5.1.x - 7.8.x.x	6.x
	N series	8.1.x - 8.3.x	6.x
	Flash 840/v840	1.1.1.1 - 1.1.1.3	6.x
	Flash 900	1.1.1.1 - 1.1.3.8	6.x
	FlashSystem A9000 &	12.0.3 - 12.3.2	6.x

	FlashSystem 9200/9100/7200/7000/5100/5030/ 5010/V9000 Storwize V7000/V5030/V5010	8.3.x	6.x
华为	OceanStor 5300/5500/5600/5800 V5	V500R007	6.x
	OceanStor Dorado 3000/5000/6000/8000/18000 V6	6.0.x, 6.1.x	6.x
SUN/Oracle	Storage 99xx	仅支持迁移，最新固件	6.x
NEC	M 系列	010A	6.0.1.x
	M310	0973	6.1
Violin	3xxx/ 6xxx 系列	仅支持迁移	6.0.1.x
SUN/Oracle	Storage 99xx	仅支持迁移，最新固件	6.x
NetApp	FAS/V 25xx/3xxx/6xxx/8xxx	8.0.2 - 8.3.2	6.0.1.x
	E 系列	08.40.20.00	6.x
	EF 系列	08.40.20.00	6.x
	AFF 系列	9.7.x	6.2.x

兼容软件系统

序号	软件平台	集群系统	Oracle RAC 及其他集群系统
1	Citrix Systems Inc. XenServer [x86_64]7.0, Citrix Systems Inc. XenServer [x86_64]7.1, Citrix Systems Inc. XenServer [x86_64]7.2, Citrix Systems Inc. XenServer [x86_64]7.3, Citrix Systems Inc. XenServer [x86_64]7.4, Citrix Systems Inc. XenServer [x86_64]7.5, Citrix Systems Inc. XenServer [x86_64] 7.6	XenServer HA	
2	HPE HP-UX 11i v2 (HP-UX 11.23)	MC/Service Guard 11.19	10g RAC Release 2, 11g RAC Release 1
3	HPE HP-UX 11i v3 (HP-UX 11.31)	MC/Service Guard 11.20	10g RAC Release 2, 11g RAC Release 1, 11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC ,
4	IBM AIX 7.1	PowerHA 7.2, PowerHA 7.2.1, PowerHA 7.2.2, PowerHA 7.2.3, PowerHA 7.2.4, PowerHA 7.2.5, Spectrum Scale 4.2.0, Spectrum Scale 4.2.1, Spectrum Scale 4.2.2, Spectrum Scale 4.2.3, Spectrum Scale 5.0.0, Spectrum Scale 5.0.1, Spectrum Scale 5.0.2, Spectrum Scale 5.0.3, Spectrum Scale 5.0.4, Spectrum Scale 5.0.5, Spectrum Scale 5.1.0	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2

5		PowerHA 7.2, PowerHA 7.2.1, PowerHA 7.2.2, PowerHA 7.2.3, PowerHA 7.2.4, PowerHA 7.2.5, Spectrum Scale 4.2.0, Spectrum Scale 4.2.1, Spectrum Scale 4.2.2, Spectrum Scale 4.2.3, Spectrum Scale 5.0.0, Spectrum Scale 5.0.1, Spectrum Scale 5.0.2, Spectrum Scale 5.0.3, Spectrum Scale 5.0.4, Spectrum Scale 5.0.5, Spectrum Scale 5.1.0	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC , 19c RAC
6	IBM VIOS 2.2.5.0,IBM VIOS 2.2.5.10, IBM VIOS 2.2.5.20,IBM VIOS 2.2.5.30,IBM VIOS 2.2.5.40,IBM VIOS 2.2.5.50,IBM VIOS 2.2.5.60,IBM VIOS 2.2.6.0,IBM VIOS 2.2.6.10,IBM VIOS 2.2.6.20,IBM VIOS 2.2.6.21,IBM VIOS 2.2.6.23,IBM VIOS 2.2.6.30,IBM VIOS 2.2.6.31,IBM VIOS 2.2.6.32,IBM VIOS 2.2.6.40,IBM VIOS 2.2.6.41,IBM VIOS 2.2.6.50,IBM VIOS 2.2.6.51,IBM VIOS 3.1.0.0,IBM VIOS 3.1.0.10,IBM VIOS 3.1.0.11,IBM VIOS 3.1.0.20,IBM VIOS 3.1.0.21,IBM VIOS 3.1.0.30,IBM VIOS 3.1.1.0,IBM VIOS 3.1.1.10		
7	Microsoft Windows Server 2012	Failover Clustering	11g RAC Release 2, 12cRAC Release 1, 12c RAC Release 2

8	Microsoft Windows Server 2012 R2	Failover Clustering	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC , 19c RAC
9	Microsoft Windows Server 2016	Failover Clustering	12c RAC Release 2, 18c RAC , 19c RAC
10	Microsoft Windows Server 2019	Failover Clustering	19c RAC
11	Oracle Linux OL 7.x [x86_64] UEK UEK R3 U2 [3.8.13-35], Oracle Linux OL 7.x [x86_64] UEK UEK R3 U3 [3.8.13-44], Oracle Linux OL 7.x [x86_64] UEK UEK R3 U4 [3.8.13-55], Oracle Linux OL 7.x [x86_64] UEK UEK R3 U5 [3.8.13-68]		11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC 19c RAC
12	Oracle Linux OL 7.x [x86_64] UEK UEK R3 U6 [3.8.13-98]		11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC , 19c RAC
13	Oracle Linux OL 7.x [x86_64] UEK UEK R5 U2 [4.14.35-1902]		12c RAC Release 1, 12c RAC Release 2, 18c RAC , 19c RAC

14	Oracle Linux OL 7.x [x86_64] UEK UEK R5 U3 [4.14.35- 1902.30*], Oracle Linux OL 7.x [x86_64] UEK UEK R5 U4 [4.14.35-2025.40*]		19c RAC
15	Oracle Linux OL 7.x [x86_64] UEK UEK R5 U5 [4.14.35-2047.500]		
16	Oracle Linux OL 7.x [x86_64] UEK UEK R6 U1 [5.4.17-2036], Oracle Linux OL 7.x[x86_64] UEK UEK R6 U2 [5.4.17-2102]		
17	Oracle Linux OL 7.x [x86_64] UEK UEK R6 [5.4.17-2011]		19c RAC
18	Oracle Linux OL 8.x [x86_64] UEK UEK R6 U1 [5.4.17-2036], Oracle Linux OL 8.x[x86_64] UEK UEK R6 U2 [5.4.17-2102]		
19	Oracle Linux OL 8.x [x86_64] UEK UEK R6 [5.4.17-2011]		19c RAC
20	Oracle Solaris 10 SPARC	Solaris Cluster 3.3, Solaris Cluster 3.3 05/11 (Update1), Solaris Cluster 3.3 3/13(Update 2)	10g RAC Release 2, 11g RAC Release 1, 11g RAC Release 2, 12c RAC Release 1, 12c RAC Release2, 18c RAC

21	Oracle Solaris 10 x86	Solaris Cluster 3.3, Solaris Cluster 3.3 05/11 Update1), Solaris Cluster 3.3 3/13(Update 2)	10g RAC Release 2, 11g RAC Release 2, 12c RAC Release 1, 12c RACRelease 2, 18c RAC
22	Oracle Solaris 11 SPARC,Oracle Solaris 11 x86	Solaris Cluster 4.0	11g RACRelease 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC
23	Oracle Solaris 11.1 SPARC	Solaris Cluster 4.1	11g RAC Release 2, 12c RAC Release 1, 12cRAC Release 2, 18c RAC
24	Oracle Solaris 11.1 x86	Solaris Cluster 4.1	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC
25	Oracle Solaris 11.2 SPARC	Solaris Cluster 4.2	11g RAC Release 2, 12c RAC Release 1, 12c RACRelease 2, 18c RAC
26	Oracle Solaris 11.2 x86	Solaris Cluster 4.2	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC

27	Oracle Solaris 11.3 SPARC	Solaris Cluster 4.3	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC , 19c RAC
28	Oracle Solaris 11.3 x86	Solaris Cluster 4.3	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC , 19c RAC
29	Oracle Solaris 11.4 SPARC	Solaris Cluster 4.4	19c RAC
30	Oracle Solaris 11.4 x86	Solaris Cluster 4.4	19c RAC
31	Red Hat RHEL [32-Bit] 6.0, Red Hat RHEL [32-Bit] 6.1, Red Hat RHEL [32-Bit] 6.2, Red Hat RHEL [32-Bit] 6.3, Red Hat RHEL [32-Bit] 6.4	GFS2 (Global File System2) GFS2, HighAvailability Add-on 6.0	

32	<p>Red Hat RHEL [s390x-64-Bit] 6.0,</p> <p>Red Hat RHEL [s390x-64-Bit] 6.1,</p> <p>Red Hat RHEL [s390x-64-Bit] 6.2,</p> <p>Red Hat RHEL [s390x-64-Bit] 6.3,</p> <p>Red Hat RHEL [s390x-64-Bit] 6.5,</p> <p>Red Hat RHEL [s390x-64-Bit] 6.6,</p> <p>Red Hat RHEL [s390x-64-Bit] 6.7</p>		
33	Red Hat RHEL [x86_64] 6.0	<p>GFS2 (Global File System2)</p> <p>GFS2, High Availability Add- on 6.0</p>	<p>11g RAC Release 2,</p> <p>12c RAC Release 1,</p> <p>12c RAC Release 2,</p> <p>18c RAC</p>
34	Red Hat RHEL [x86_64] 6.1	<p>GFS2 (Global File System2)</p> <p>GFS2, High Availability Add- on 6.0</p>	<p>11g RAC Release 2,</p> <p>12c RAC Release 1,</p> <p>12c RAC Release 2,</p> <p>18c RAC</p>
35	Red Hat RHEL [x86_64] 6.10	<p>GFS2 (Global File System2)</p> <p>GFS2, High Availability Add-on 6.0</p>	<p>11g RAC Release 2,</p> <p>12c RAC Release 2,</p> <p>18c RAC</p>
36	Red Hat RHEL [x86_64] 6.2	<p>GFS2 (Global File System2)</p> <p>GFS2, High Availability Add- on 6.0</p>	<p>11g RAC Release 2,</p> <p>12c RAC Release 1,</p> <p>12c RAC Release 2,</p> <p>18c RAC</p>

37	Red Hat RHEL [x86_64] 6.3	GFS2 (Global File System2) GFS2, High Availability Add- on 6.0	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC
38	Red Hat RHEL [x86_64] 6.4	GFS2 (Global File System2) GFS2, High Availability Add- on 6.0	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC
39	Red Hat RHEL [x86_64] 6.5	GFS2 (Global File System2) GFS2, High Availability Add- on 6.0	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC, PRIMECLUSTER 4.3A40
40	Red Hat RHEL [x86_64] 6.6	GFS2 (Global File System2) GFS2, High Availability Add- on 6.0	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC
41	Red Hat RHEL [x86_64] 6.7	GFS2 (Global File System2) GFS2, High Availability Add- on 6.0	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC

42	Red Hat RHEL [x86_64] 6.8	GFS2 (Global File System2) GFS2, HighAvailability Add- on 6.0	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC
43	Red Hat RHEL [x86_64] 6.9	GFS2 (Global File System2) GFS2, High Availability Add- on 6.0	11g RACRelease2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC
44	Red Hat RHEL [x86_64] 7.0	GFS2 (Global File System2) GFS2, High Availability Add- on 7.0	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC , 19c RAC
45	Red Hat RHEL [x86_64] 7.1	GFS2 (Global File System2) GFS2, High Availability Add- on 7.0	11g RACRelease2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC , 19c RAC
46	Red Hat RHEL [x86_64] 7.2	GFS2 (Global File System2) GFS2, HighAvailability Add- on 7.0	11g RAC release 2, 12c RAC Release1, 12c RAC Release 2, 18c RAC , 19c RAC

47	Red Hat RHEL [x86_64] 7.3	GFS2 (Global File System2) GFS2, High Availability Add- on 7.0	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC , 19c RAC
48	Red Hat RHEL [x86_64] 7.4	GFS2 (Global File System2) GFS2, High Availability Add- on 7.0	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC , 19c RAC
49	Red Hat RHEL [x86_64] 7.5	GFS2 (Global File System2) GFS2, High Availability Add- on 7.0	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC , 19c RAC
40	Red Hat RHEL [x86_64] 7.6	GFS2 (Global File System2) GFS2,High Availability Add- on 7.0	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC , 19c RAC
51	Red Hat RHEL [x86_64] 7.7	GFS2 (Global File System2) GFS2, High Availability Add- on 7.0	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC , 19c RAC

52	Red Hat RHEL [x86_64] 7.8	GFS2 (Global File System2) GFS2, High Availability Add- on 7.0	11g RAC Release 2, 12c RAC Release 1, 12c RAC Release 2, 18c RAC , 19c RAC
53	Red Hat RHEL [x86_64] 7.9	GFS2 (Global File System2) GFS2, HighAvailability Add-on 7.0	19c RAC
54	Red Hat RHEL [x86_64] 8.0	GFS2 (Global File System2) GFS2,High Availability Add- on 8.0	19c RAC
55	Red Hat RHEL [x86_64] 8.1	GFS2 (Global File System2) GFS2,HighAvailability Add-on 8.0	19c RAC
56	Red Hat RHEL [x86_64] 8.2	GFS2 (Global File System2) GFS2,HighAvailability Add-on 8.0	19c RAC
57	Red Hat RHEL [x86_64] 8.3	GFS2 (Global File System2) GFS2,HighAvailability Add-on 8.0	

58	<p>SUSE SLES [32-Bit] 11,</p> <p>SUSE SLES [32-Bit] 11 SP1,</p> <p>SUSE SLES [32-Bit] 11 SP2,</p> <p>SUSE SLES [32-Bit] 11 SP3,</p> <p>SUSE SLES [s390x-64-Bit] 11 SP2</p>		
59	SUSE SLES [x86_64] 11 SP4	High Availability Extension	<p>11g RAC Release 2,</p> <p>12c RAC Release 1,</p> <p>12c RAC Release 2,</p> <p>18c RAC</p>
60	SUSE SLES [x86_64] 12 SP2	High Availability Extension	<p>11g RAC Release 2,</p> <p>12c RAC Release 1,</p> <p>12c RAC Release 2,</p> <p>18c RAC ,</p> <p>19c RAC</p>
61	SUSE SLES [x86_64] 12 SP3	High Availability Extension	<p>11g RAC Release 2,</p> <p>12c RAC Release 1,</p> <p>12c RAC Release 2,</p> <p>18c RAC ,</p> <p>19c RAC</p>
62	SUSE SLES [x86_64] 12 SP4	High Availability Extension	<p>11g RAC Release 2,</p> <p>12c RAC Release 1,</p> <p>12c RAC Release 2,</p> <p>18c RAC ,</p> <p>19c RAC</p>

63	SUSE SLES [x86_64] 12 SP5	High Availability Extension	11g RAC Release 2, 12c RAC Release1, 12c RAC Release 2, 18c RAC , 19c RAC
64	SUSE SLES [x86_64] 15	High Availability Extension	12c RAC Release 2, 19c RAC
65	SUSE SLES [x86_64] 15 SP1	High Availability Extension	12c RAC Release 2, 19c RAC
66	SUSE SLES [x86_64] 15 SP2	High Availability Extension	
67	VMware ESXi 6.5 (vSphere 6.5), VMware ESXi 6.7 (vSphere 6.7)	VMware HA	
68	VMware ESXi 7.0 (vSphere 7.0)	VMware HA	