(和 HPE StoreVirtual 3200 (H3C CF3320) 安装补丁100-027-00升级SSD硬盘固件HPD8

固件驱动 **孙清雷** 2020-01-12 发表

组网及说明

HPE StoreVirtual 3200 (H3C CF3320)

问题描述

HPE StoreVirtual 3200 (H3C CF3320)存储系统所使用的SSD固态硬盘涉及SSD固态硬盘运行32768小时后失效的固件缺陷。

过程分析

需要安装SSD硬盘固件补丁100-027-00解决此问题。

解决方法

Patch 100-027-00为StoreVirtual 3200存储系统SSD硬盘(Model MO0400JFFCF/ MO0800JFFCH/ MO 1600JFFCK/ MO3200JFFCL)的HPD8固件补丁,用于修复SSD硬盘运行32768小时后失效的固件缺陷问题。

该补丁适用于StoreVirtual OS 13.6, 且要求预先安装补丁136-013-00。该可通过SVMC界面进行安装, 安装后控制器节点将重启以生效。

Storage Systems视图,存储系统无严重级别报警,StoreVirtual OS版本为13.6。

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• pool	14.55	Model StoreVirtual OS version Storage controllers Status State Management group Storage pool Type Adaptive Optimization	SVI200 13.600.024.10 SVI200.98326F-SC1 00000000 VV200.9833EF-SC2 00000000 High availability status is highly available, Inter-controller communication status is normal. The two storage controllers are paired, Storage system is normal SVI320 pool ISCSI Capable	

存储系统配有SSD硬盘, SSD硬盘已配置为RAID Device使用。

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	/dev/sdc RAID 6 Normal Tier SV3200- 6 data, 2 hdd 8 8842DC-SC1 parity	
	/dev/sde RAID 6 Normal Tier SV3200- 6 data, 2 hdd 8 8	
	/dev/sdf RAID Normal Tier SV3200- 1 data, 1 ssd 2 10 0 8B33EE-SC2 mirror	
	 /dev/sdg RAID Normal Tier SV3200- 1 data, 1 ssd 2 10 0 8842DC-SC1 mirror 	

Storage Controllers视图,存储系统的各控制器已安装补丁136-013-00,满足安装条件。



Disks视图,可见1~4号槽位安装SSD硬盘,Model为MO0400JFFCF,当前固件版本为HPD4,属于固件缺陷范围。

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	3D580_Drive0	330		Storage system	Status	• OK
	1:01			Enclosure number 1	State	Normal
•		ssd		Enclosure name 000000000000000000000000000000000000	Safe to remove	No
	3D580_Drive0			(URU1) (enclosure:slot)	lemperature Wear state	Normal
				Locate Off	Wear time	5 vears
•	3D580 Drive0	ssd				
	1:03			Disk Capacity	Inventory	
		ssd	2	Raw capacity 372.61 GIB	Serial number	
	3D580_Drive0				Firmware version	HPD4
	1:04				Model	MO0400JFFCF
•	3D580_Drive0 1:05	hdd 🤇	2			

将补丁文件100-027-00.20191204.patch和upgrades_manifest.xml文件复制至作为FTP服务器的计算机本地目录。

使用3CDaemon配置FTP服务器。运行3CDaemon软件,选择FTP Server - Configure FTP Server,选择补丁文件所在目录为FTP目录,匿名访问不设置用户名和密码,用户权限勾选全部权限。设置后点击OK以生效。

建议将安装FTP服务器软件的Windows主机关闭防火墙。

Settings界面,Updates区域,点击"Edit"。选择更新文件源为FTP,FTP路径为FTP服务器的IP地址。 Software Updates视图,Software Updates界面会出现短暂的加载过程,稍后,显示已发现相应的补 丁文件100-027-00。

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no major versions available		
Patches Available		
▶ Patch Severity Published	Type Description	
▶ 100-027- Critical Dec 13 7:13:16 pm 00	Firmware This patch installs HPD8 firmware upgrades for hard drive m MO3200JFFCL.	odel MOO400JFFCF, MO0800JFFCH, MO1600JFFCK and

	tware Updat	es.	× +		- 0		
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arch	rs Available			_			
*	Patch	Severit	y Published	Type	Description		
۳	100-027- 00	Critical	Dec 13 7:13:16 pm	Firmware	This patch installs HPD8 firmware upgrades for hard drive model MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL.		
	Rebo	ot	Yes				
	Size		3.6 MiB				
	Servi	ce	Patch 100 027 00 release note				
	upda	te					
	Appl	ies to	All storage systems on version 13	.6 and above			
	Prere	quisites	none				
	Must	be Jal	No				
Full (Critical, Reboot required) This patch inst description the issue which affects SSDs with an HPE				atch installs HPD8 fi an HPE firmware v	irmware upgrades for hard drive model MO0400JFFCF, MO0800JFFCH, MO1600JFFCK AND MO3200JFFCL. It fixes ersion prior to HPD8 that results in SSD failure at 32,768 hours of operation.		

点击Actions > install,进行补丁安装。

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https://172.22.30.20/#/updates/install		

安装界面点选Patches, 会列出可供安装的补丁文件, 以及补丁的修复说明。 勾选关于卷可用性的提醒, 点击Install。

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	▶	
	Installing updates and patches may take a long time. While the installation is in progress you will have limited use of the system's functionality. You can view installation progress on the <u>Tasks</u> page.	
	<u>View volume availability</u>	
	Do you want to continue with install?	E
	1 patch selected to install. Cencel	

提示软件更新会导致管理界面失去连接,如果失去连接,则需重新登录管理界面,点击Yes, install。

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	Installing upda can view instalia I have re install th <u>Vie</u>	Yes, install Itin progress on the <u>Tasks</u> page. One were volume availability information (click link below) and taken any necessary actions that a is otherwise. We volume availability	Cancel	ctionality. You ready to			
	Do you want to con	tinue with install?					
	1 patch selected to	o install.	Install	Cancel	1		



安装开始后,界面会自动跳转至任务界面。展开任务细节,可详细查看安装Patch的完整过程。 安装补丁会自动在1号控制器、2号控制器自动交替进行。

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			Storage controllers	SV3200-8B33EE-SC2, SV3200-8B42DC-SC1				
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			▶ • Today 8:40:28	pm Download package 100-027-00.20191204.patch	Completed	100%	Download complete for package: 100-027-	
			▶ Today 8:40:30	pm Install patch 100-027-00 on SV3200-8B33EE-SC	2 Running	50%	Installing: 100-027-00.20191204.patch	

补丁安装完成后,任务进度会显示100%。安装耗时12分52秒。

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	▶ ●	Today 8:40:27 pm	Pre-updates health checks	Completed	100%	Health checks completed successfully.						
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	▶ ●	Today 8:40:30 pm	Install patch 100-027-00 on SV3200-8B33EE-SC2	Completed	100%	The package was successfully installed.						
	▶ ●	Today 8:46:36 pm	Transfer updates task from SV3200-8B42DC-SC1	Completed	100%	The coordinating controller was transferred to 3000						
	► •	Today 8:46:40 pm	Install patch 100-027-00 on SV3200-8B42DC-SC1	Completed	100%	The package was successfully installed.	E					
	▶ ●	Today 8:53:19 pm	Post-updates cleanup	Completed	100%	Completed						

再次查看SSD硬盘,可见固件版本已升级至HPD8。



存储控制器已安装100-027-00。

