# (m) MSA存储的SSD硬盘类型和工作时间检查方法及固件升级步骤

硬件相关 **李志强** 2019-11-26 发表

组网及说明
无
问题描述
无
过程分析
无
解决方法
MSA存储的SSD硬盘类型和工作时间检查方法及固件升级步骤

# 硬盘类型及工作时间检测方法:

# 查看SSD硬盘型号:

MSA可以通过以下工具查看SSD盘型号和对应的固件版本

- HPE MSA System Management Utility (SMU)
- HPE MSA Command Line Interface (CLI)
- HPE Systems Insight Manager (HP SIM)
- 1. SMU v3在主界面下选择System > Update Firmware > Update Disk Drives
- 2. SMU v2在 Configuration View界面下选Tools > Update Firmware
- 3. 命令行: show disks encl

≢ show disks Status	encl Encl	Slot	Vendor	Model	Serial Number	Size
Up			HP	MO0400JFFCF	S2GYNYAG400170	400.0GB
Up Up			HP SEAGATE	ST1200MM0108	S2GINCAH202955 S401VS960000K6493YTG	1200.2GB

# 查看SSD工作时间:

1. SMU下可以查看SSD盘型号,固件版本和工作时长:



1. 命令行: show disks detail



#### 硬盘升级步骤:

#### 1, HPD8固件版本下载:

Windows下升级下载链接: <u>https://support.hpe.com/hpsc/swd/public/detail?</u> <u>swltemId=MTX\_d4889f64a36d4725bf152ceec4</u> Linux下升级下载链接: <u>https://support.hpe.com/hpsc/swd/public/detail?</u> <u>swltemId=MTX\_b2551e6c89b841a1b2eebd76e0</u>

#### 2, 升级参考视频

链接: https://pan.baidu.com/s/1alIMMa2XkSVQLdnUKDRmMA提取码: gdsm

3, **升**级操作

MSA2000存储系统可通过运行.exe程序、运行scexe程序或者浏览fla固件文件等方式进行硬盘固件的升级

(但是由于目前HPD8固件仅提供了.exe程序,因此只能通过运行exe程序的方法升级至HPD8) 注意:MSA2000存储系统硬盘固件升级为离线操作,在升级硬盘固件之前,需要停止主机端、存储端的I/O

## 1) 运行exe程序进行硬盘固件升级

登录CLI界面,执行check firmware-upgrade-health,确保可通过升级健康检查。



MSA2050存储系统配有12块ENT SAS硬盘。

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硬盘信息如下, 1.2TB 12G SAS 10K rpm SFF Drive Models (EG001200JWFVA), 固件版本HPD2。

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运行HPD4固件程序。



点击Install。



输入控制器管理IP,存储管理员名称及密码,点击Continue。







将逐个对1~12号槽位的硬盘进行固件升级。





## 固件升级完成。



## 2) 通过SMU界面浏览fla文件方式进行固件升级

登录CLI界面,执行check firmware-upgrade-health,确保可通过升级健康检查。





MSA2050存储系统配有8块ENT SAS硬盘, 300GB 12G SAS 15K rpm SFF Drive Models (EH0300JD YTH), 固件版本HPD4

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下载.fla格式固件HPD6备用。



SMU界面中, System > Action > Update Firmware。



在Update Disk Drives选项卡中选择需要升级固件的硬盘,可按住Ctrl键后同时选择多块硬盘,以浏览 方式选择.fla固件。

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开始升级固件,正在上载固件。



固件更新完成。



可见固件已升级至HPD6。

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# 3) 通过运行scexe程序进行固件升级

MSA2050存储系统配有8块MDL SAS硬盘, 1TB 12G SAS 7K rpm SFF Drive Models (MM1000JEFRB), 固件版本HPD7。

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RHEL主机与MSA2050存储控制器管理端口通信正常。 通过WinSCP工具将固件HPD8的.SCEXE程序上传至RHEL主机。 进入.SCEXE程序所在目录。 chmod +x,为.SCEXE程序设置可执行权限。



执行./CP035993.scexe --target A控管理端口IP --user 登录用户名 --passwd 密码,开始固件更新。 注\* 如用户名或密码包含特殊字符,请将字符串用单引号括起来,或在特殊字符前输入反斜杠。 将对11号~18号槽位的硬盘逐个更新固件。



固件更新后,再次查看硬盘固件版本,已升级至HPD8。

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