

使用Flexflash控制器FX3S对CIMC中未分区的SD卡进行故障排除

简介

本文档介绍如何对Flexflash控制器上的未分区SD卡错误进行故障排除。

先决条件

要求

本文档没有任何特定的要求。

使用的组件

本文档中的信息基于以下软件和硬件版本：

- 独立C系列服务器
- FlexFlash控制器FX3S
- 两个大小相同的SD卡
- 3.X或更高版本的CIMC

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您的网络处于活动状态，请确保您了解所有命令的潜在影响。

问题

错误消息和故障代码

故障代码： F1260

描述：Flex Flash虚拟驱动器1（虚拟机监控程序）已降级：请检查闪存设备或控制器

理由：设备降级

故障代码： F1262

描述：Flexflash控制器Flexflash-0配置错误：正确配置Flexflash控制器

理由：设备不正常

注意：出现1个SD卡的情况。

Fault Summary | Fault History | System Event Log | Cisco I/MC Log | Logging Controls

Fault Entries Total 2

Show Quick Filter

Time	Severity	Code	Domain Name	Probable Cause	Description
2020-07-21T10:32:26	Warning	F1260	sys/rack-unit-1/board/storage-flexflash-FlexFlash-0Vd-1	equipment-degraded	Flex Flash Virtual Drive 1 (Hypervisor) Degraded: please check the flash device or the controller
2020-07-21T10:32:26	Warning	F1262	sys/rack-unit-1/board/storage-flexflash-FlexFlash-0	equipment-unhealthy	Flex Flash controller FlexFlash-0 configuration error: configure the flex controller correctly

Fault Summary | Fault History | System Event Log | Cisco I/MC Log | Logging Controls

Faults History Total 3

Show Quick Filter

Time	Severity	Probable Cause	Description
2020 Jul 21 10:32:26 BST	Notice	EQUIPMENT_DEGRADED	[F1260][warning][equipment-degraded][sys/rack-unit-1/board/storage-flexflash-FlexFlash-0Vd-1] Flex Flash Virtual Drive 1 (Hypervisor) Degraded: please ...
2020 Jul 21 10:32:26 BST	Notice	EQUIPMENT_UNHEALTHY	[F1262][warning][equipment-unhealthy][sys/rack-unit-1/board/storage-flexflash-FlexFlash-0] Flex Flash controller FlexFlash-0 configuration error: configure...
2020 Jul 21 10:32:21 BST	Debug	LOG_DEBUG	SEL INIT DONE

导航至Storage > Cisco Flexflash后，SD卡1显示为未分区，虚拟驱动器虚拟机监控程序已按预期降级

... / Cisco FlexFlash / Virtual Drives

General | Physical Drives | Virtual Drives | FlexFlash Logs

Virtual Drives Selected 0 / Total 1

Disable Virtual Drive | Sync Virtual Drive | Erase Virtual Drive

Virtual Drive	ID	Drive Scope	Size	Drive Status	Host Accessible	Drive Type	Operation in Progress	Last Operation Status
<input type="checkbox"/> Hypervisor	1	Raid	30432 MB	Degraded	Not-Connected	Removable	NA	none

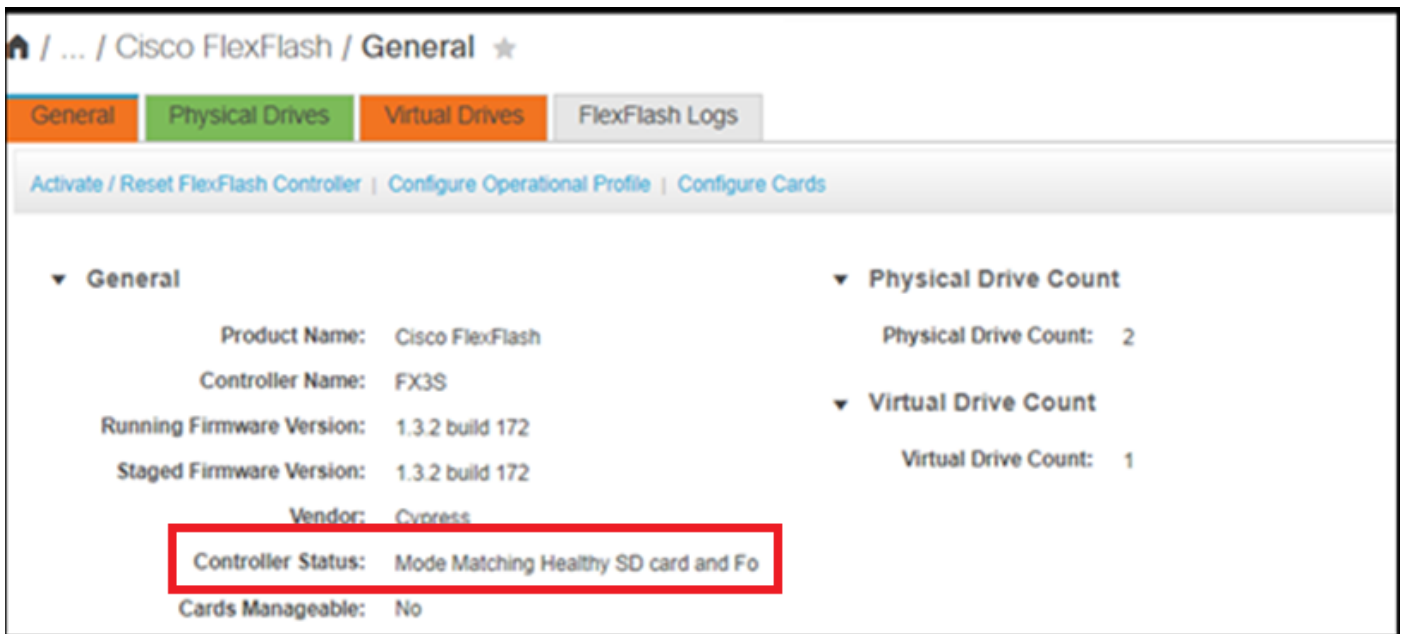
... / Cisco FlexFlash / Physical Drives

General | Physical Drives | Virtual Drives | FlexFlash Logs

Physical Drives Total 2

Physical Drives	Status	Controller	Card Type	Card Mode	Health	Sync Mode	Slot Number
SLOT-1	present	FlexFlash-0	unpartitioned card	NA	NA	NA	SLOT-1
Capacity: 30436 MB		Partition Count: 0		Signature: 00000000000000000000000000000000			
OEM ID: GH		Write Error Threshold: 0		Product Name: SMART			
Block Size: 512 bytes		Manufacturer ID: 137		Serial Number: 0x1010886f			
Card Status: NA		Read Error Count: 0		Write Enabled: true			
Product Revision: 3.0		Write Error Count: 0		Drives Enabled:			
Password Protected: false		Read Error Threshold: 0		Manufacturing Date: 7/19			
Dirty Partition Map: NA		Stale Partition Map: NA					
SLOT-2	present	FlexFlash-0	FX3S configured	mirror-secondary	healthy	manual	SLOT-2

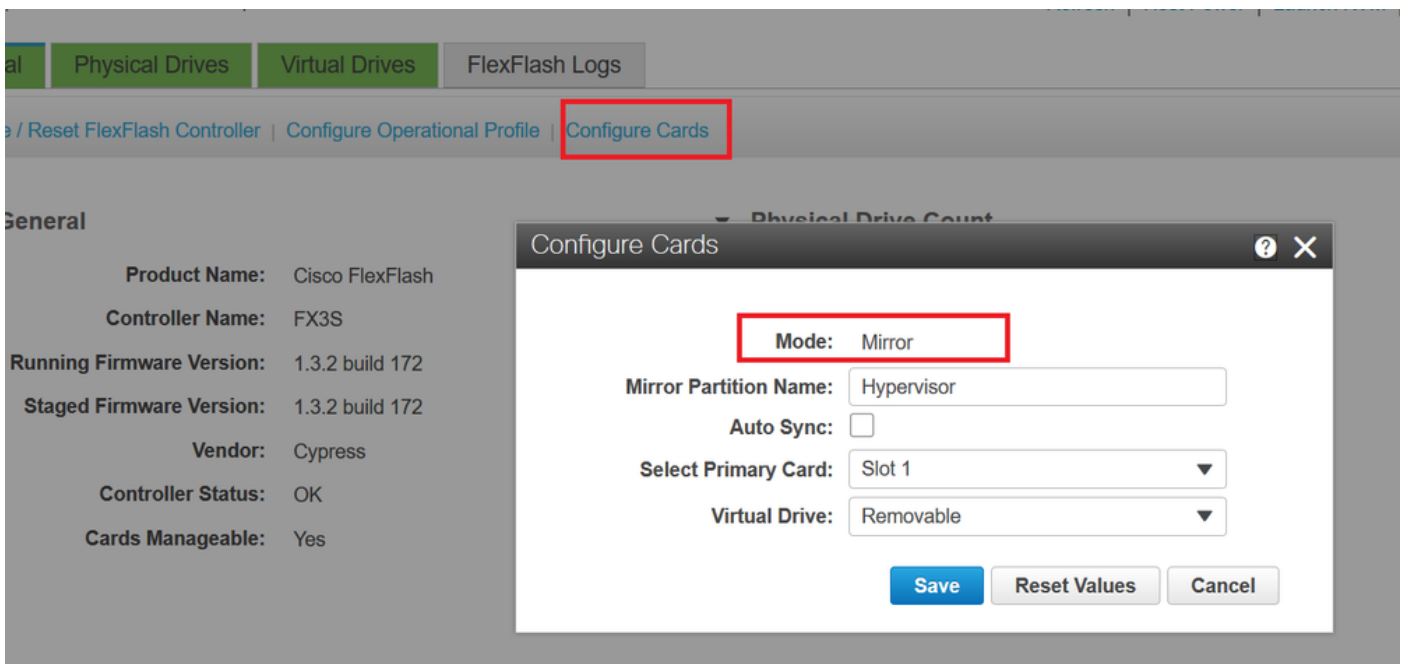
flexflash控制器状态显示在此图中。



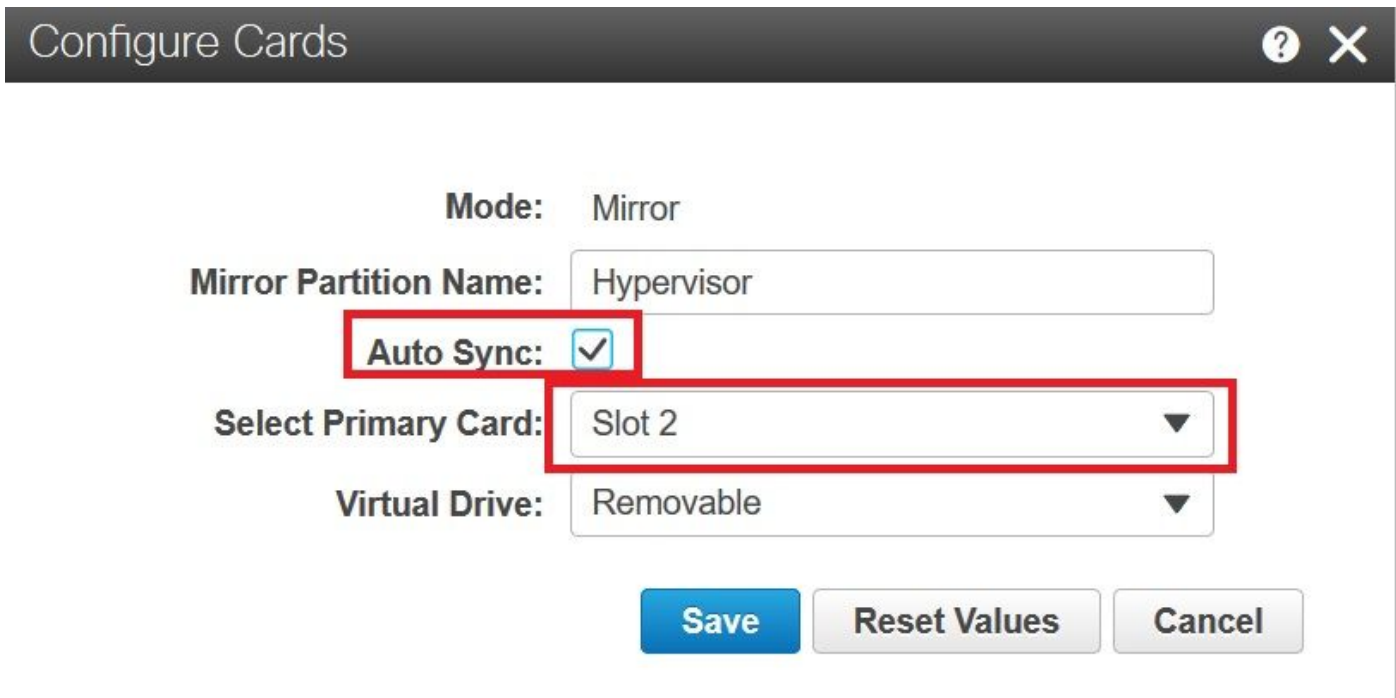
注意：未分区的SD卡已降级，能否继续RMA?否，更换可能无法解决问题。

解决方案

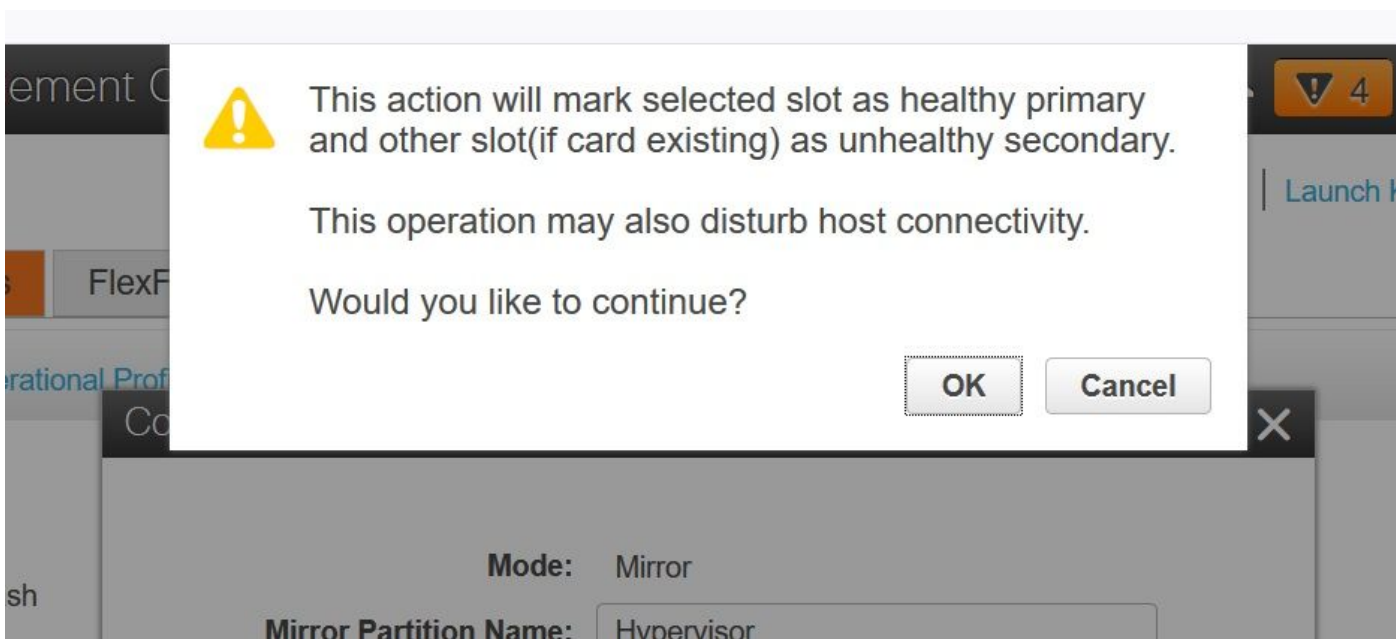
步骤1.在“常规”选项卡下，单击“配置卡”，如下图所示。



步骤2.选择主卡作为SLOT 2（因为插槽1用于未分区的卡，并且假设所有数据都存储在SD卡2中）。选中AUTO-SYNC，单击SAVE，如下图所示。



步骤3.单击“保存”后，将出现一个窗口，如此图所示，单击“确定”。



步骤4.单击“确定”后，请注意，在“物理驱动器”选项卡中，具有未分区卡的插槽1将配置为 MIRROR_SECONDARY，但不健康，这是预期行为

Physical Drives	Status	Controller	Card Type	Card Mode	Health	Sync Mode	Slot Number
SLOT-1	present	FlexFlash-0	FX3S configured	mirror-secondary	unhealthy	auto	SLOT-1
SLOT-2	present	FlexFlash-0	FX3S configured	mirror-primary	healthy	auto	SLOT-2

步骤5.在“虚拟驱动器”选项卡下，您会看到虚拟驱动器的自动同步已启动(在步骤2中，已选中自动同步)。等待自动同步完成100%

General Physical Drives **Virtual Drives** FlexFlash Logs

Virtual Drives Selected 0 / Total 1

Disable Virtual Drive Sync Virtual Drive Erase Virtual Drive

Virtual Drive	ID	Drive Scope	Size	Drive Status	Host Accessible	Drive Type	Operation in Progress
<input type="checkbox"/> Hypervisor	1	Raid	60901 MB	Degraded	Not-Connected	Removable	Syncing(Auto) 14% done

步骤6.自动同步完成后（如此图所示），您会看到虚拟驱动器处于正常状态。

General Physical Drives **Virtual Drives** FlexFlash Logs

Virtual Drives Selected 0 / Total 1

Disable Virtual Drive Sync Virtual Drive Erase Virtual Drive

Virtual Drive	ID	Drive Scope	Size	Drive Status	Host Accessible	Drive Type	Operation in Progress
<input type="checkbox"/> Hypervisor	1	Raid	60901 MB	Healthy	Not-Connected	Removable	NA

插槽1中在步骤4中看到正常的卡在AUTO-SYNC后现在正常运行。

General Physical Drives **Virtual Drives** FlexFlash Logs

Physical Drives Total 2

Physical Drives	Status	Controller	Card Type	Card Mode	Health	Sync Mode	Slot Number
SLOT-1	present	FlexFlash-0	FX3S configured	mirror-secondary	healthy	auto	SLOT-1
SLOT-2	present	FlexFlash-0	FX3S configured	mirror-primary	healthy	auto	SLOT-2

步骤7.如果您在此处观察，虚拟驱动器仍不能主机访问，这意味着您无法在引导选项中看到虚拟驱动器，也无法从该选项启动操作系统或在其上安装操作系统。

Home / ... / Cisco FlexFlash / Virtual Drives Refresh | Host Power

General Physical Drives **Virtual Drives** FlexFlash Logs

Virtual Drives

Enable Virtual Drive Sync Virtual Drive Erase Virtual Drive

Virtual Drive	ID	Drive Scope	Size	Drive Status	Host Accessible
<input checked="" type="checkbox"/> Hypervisor	1	Raid	60901 MB	Healthy	Not-Connected

步骤8.要使主机可访问，请在“虚拟驱动器”下单击“启用虚拟驱动器”。

Virtual Drives

Enable Virtual Drive Sync Virtual Drive Erase Virtual Drive

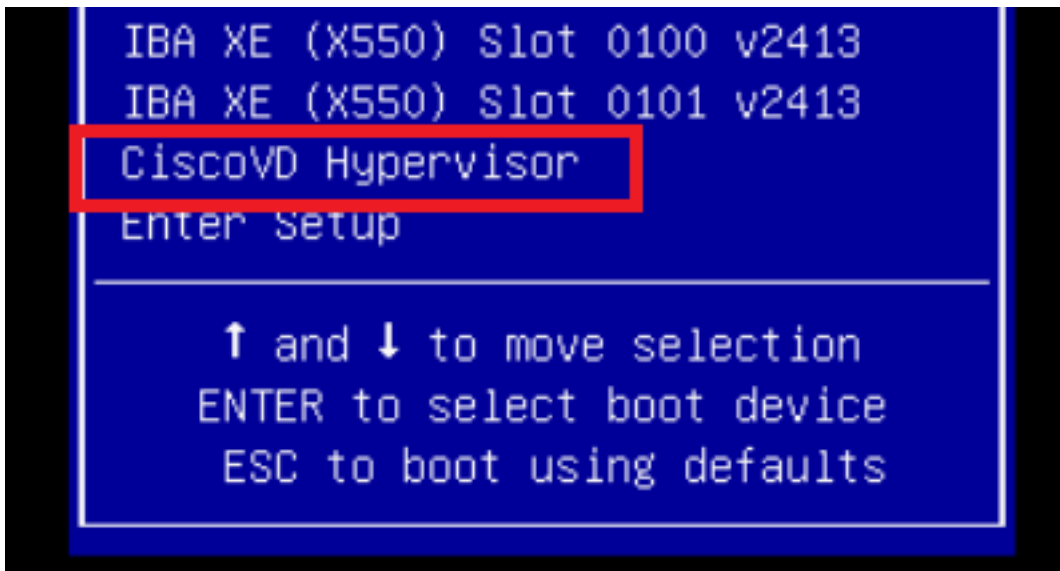
Virtual Drive	ID	Drive Scope	Size	Drive Status	Host Accessible
<input checked="" type="checkbox"/> Hypervisor	1	Raid	60901 MB	Healthy	Not-Connected

步骤9.现在观察到虚拟驱动器已连接到主机，并在启动菜单上可见，如此图所示。

Virtual Drives

Disable Virtual Drive Sync Virtual Drive Erase Virtual Drive

Virtual Drive	ID	Drive Scope	Size	Drive Status	Host Accessible
<input type="checkbox"/> Hypervisor	1	Raid	60901 MB	Healthy	Connected



当您忘记在步骤2中检查AUTO-SYNC时？

虚拟驱动器不会自动同步，SD卡1继续显示为不正常状态。在“虚拟驱动器”选项卡下，选中“虚拟驱动器”并单击“同步虚拟驱动器”。这称为MANUAL SYNC。不言自明。

同步完成后，虚拟驱动器和SD卡1将变得正常，如第6步所示。

Virtual Drives

Selected 1 / Total 1

<input type="button" value="Enable Virtual Drive"/> <input type="button" value="Sync Virtual Drive"/> <input type="button" value="Erase Virtual Drive"/>								
	Virtual Drive	ID	Drive Scope	Size	Drive Status	Host Accessible	Drive Type	Operation in Progress
<input checked="" type="checkbox"/>	Hypervisor	1	Raid	60901 MB	Degraded	Not-Connected	Removable	Syncing(Manual) 0% done

相关信息

- [思科FlexFlash:使用和管理思科UCS C系列独立机架式服务器的思科灵活闪存内部SD卡](#)
- [在Cisco UCS服务器上配置和使用Cisco FlexFlash安全数字卡白皮书](#)