

# 使用Flexflash控制器FX3S排除CIMC中未分割槽的SD卡故障

## 簡介

本文說明如何對Flexflash控制器上的未分割槽SD卡錯誤進行故障排除。

## 必要條件

### 需求

本文件沒有特定需求。

### 採用元件

本文中的資訊係根據以下軟體和硬體版本：

- 獨立C系列伺服器
- Flexflash控制器FX3S
- 兩個大小相同的SD卡
- CIMC版本3.X或更高版本

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除（預設）的組態來啟動。如果您的網路運作中，請確保您瞭解任何指令可能造成的影響。

## 問題

### 錯誤消息和故障代碼

**故障代碼：** F1260

**說明：**Flex Flash虛擬驅動器1（虛擬機器監控程式）已降級：請檢查快閃記憶體裝置或控制器

**原因：**裝置降級

**故障代碼：** F1262

**說明：**Flexflash控制器Flexflash-0配置錯誤：正確設定Flexflash控制器

**原因：**裝置不正常

**附註：**出現1個SD卡問題的場景。

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

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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

導覽至Storage > Cisco Flexflash後，可以看到SD卡1未分割槽，虛擬驅動器虛擬機器監控程式已按預期降級

... / Cisco FlexFlash / Virtual Drives

Refresh | Host Power | Launch KVM | Ping | CIMC Reboot | Locator LED

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

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... / Cisco FlexFlash / Physical Drives

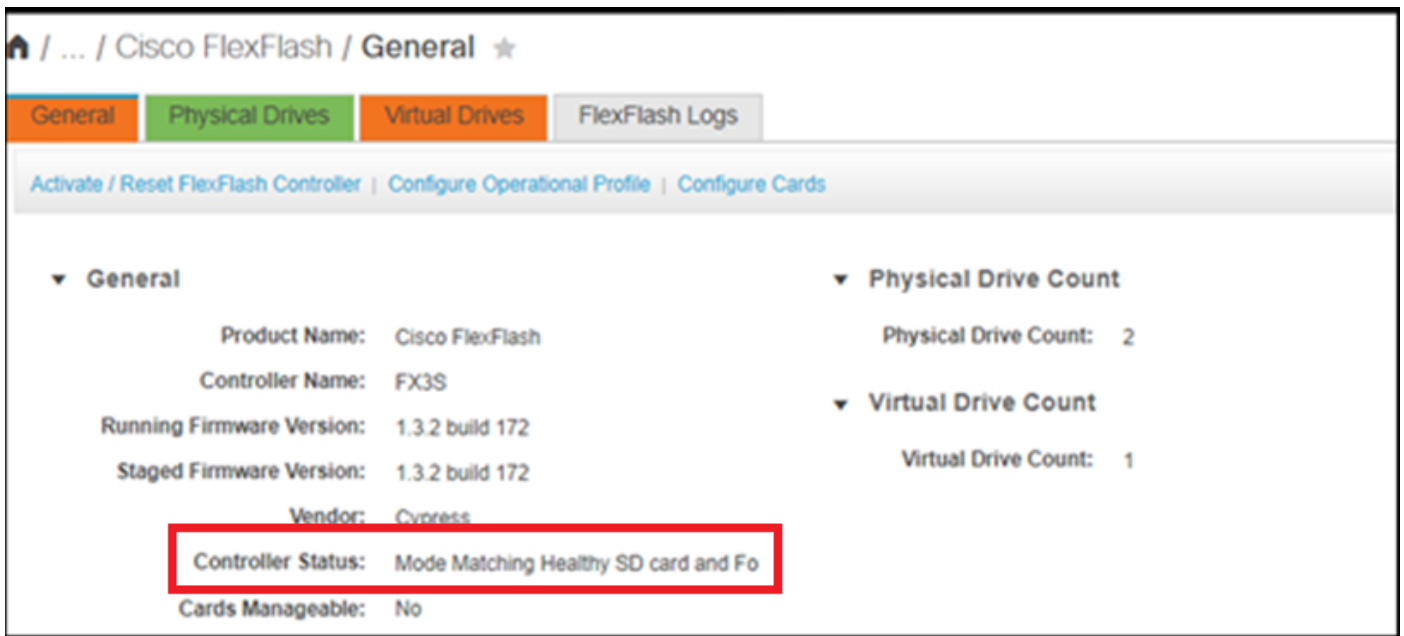
Refresh | Host Power | Launch KVM | Ping | CIMC Reboot | Locator LED

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

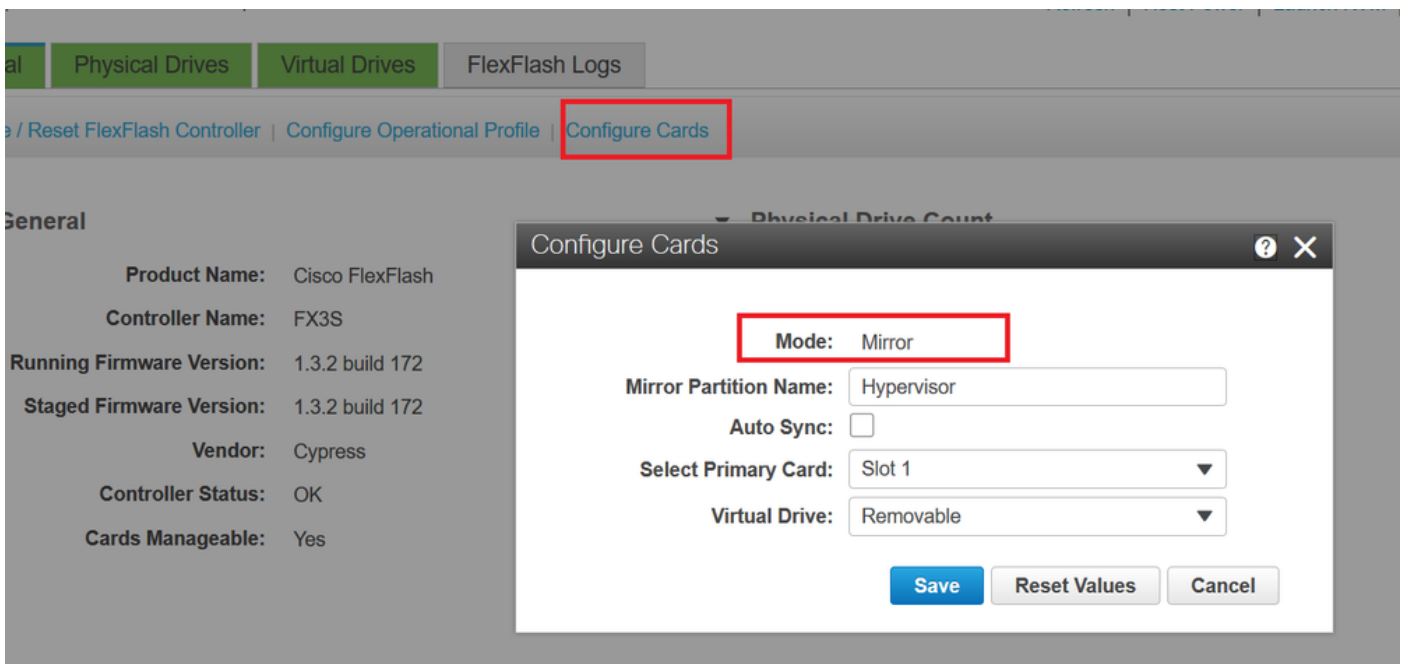
Flexflash控制器狀態顯示在此處的影響中。



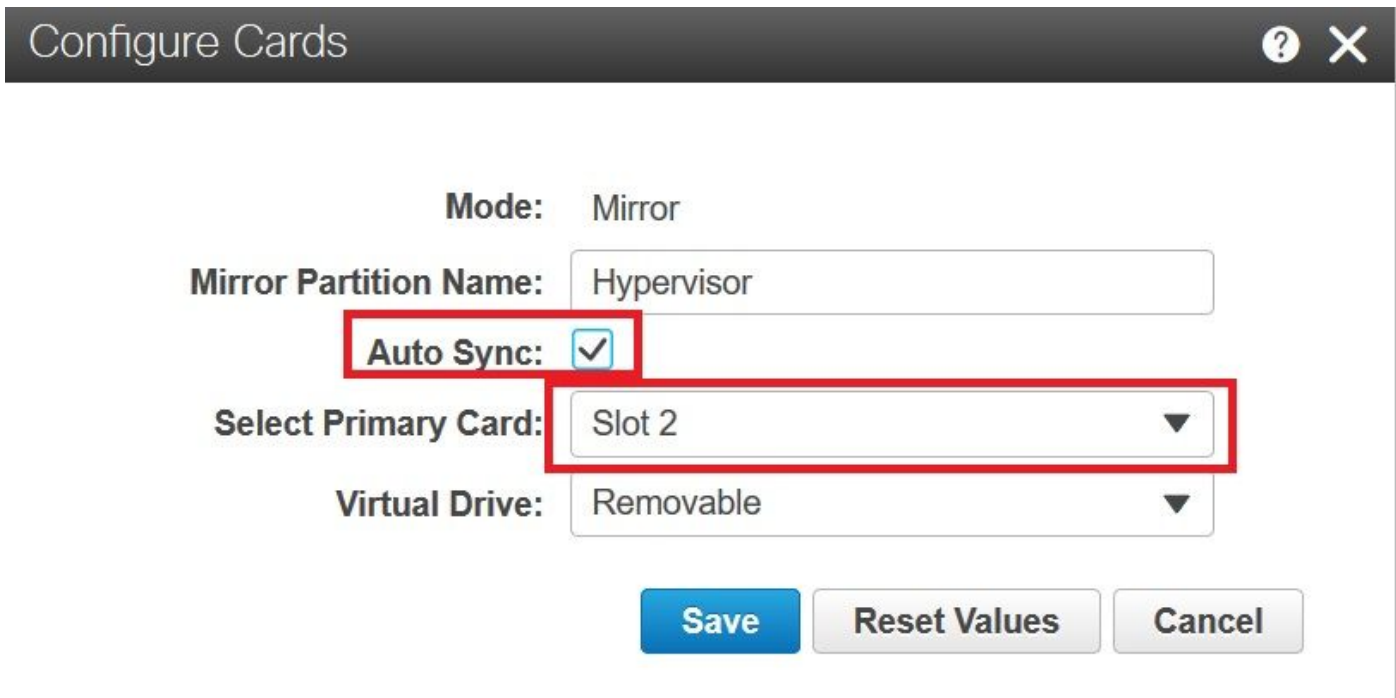
附註：未分割槽的SD卡已降級，是否可以繼續RMA?否，更換可能無法解決問題。

## 解決方案

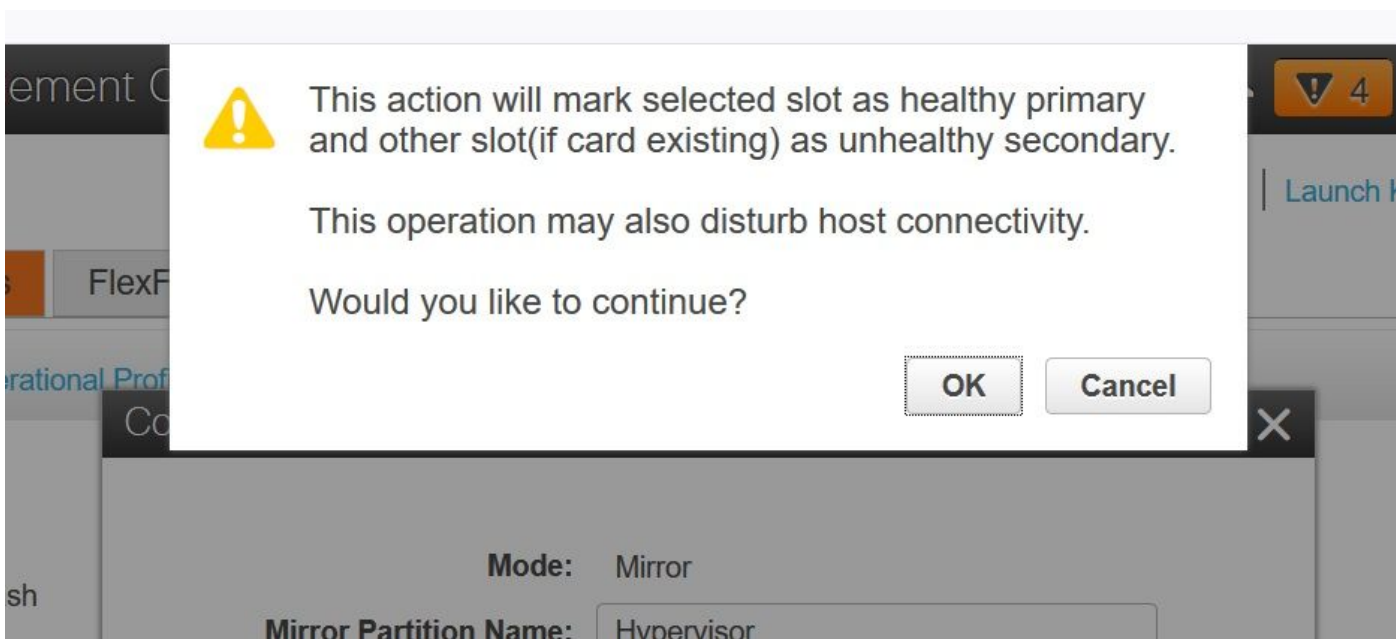
步驟1。在General 索引標籤下，按一下Configure cards，如下圖所示。



步驟2.選擇Primary card (主卡) 作為SLOT 2 (因為插槽1用於未分割槽的卡，並且假設所有資料都儲存在SD卡2中)。勾選「AUTO-SYNC」，按一下「SAVE」，如下圖所示。



步驟3.按一下**SAVE**後，會出現一個視窗，如下圖所示，然後按一下**OK**。



步驟4.按一下**OK**後，請注意，在Physical drives頁籤中，將具有未分割槽卡的插槽1配置為**MIRROR\_SECONDARY**但**UNHEALTHY**，這是預期行為

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

步驟5.在**Virtual Drives**索引標籤下，您會看到虛擬驅動器的**Auto-Sync**已啟動(在步驟2中，選中**auto-sync**)。 等待自動同步完成100%

Virtual Drives								Selected 0 / Total 1
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	

步驟6. 自動同步完成後（如下圖所示），您會看到虛擬驅動器為正常。

Virtual Drives								Selected 0 / Total 1
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	

第1插槽中的卡（在步驟4中視為正常）在AUTO-SYNC後現在為HEALTHY。

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	

步驟7. 如果在此處觀察，虛擬驅動器仍然無法通過主機訪問，這意味著您無法在引導選項中看到它，也不能從那裡引導作業系統或在其上安裝作業系統。

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

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

步驟8. 要使主機可以訪問，請在**虛擬驅動器**下按一下**啟用虛擬驅動器**。

Virtual Drives

**Enable Virtual Drive** | Sync Virtual Drive | Erase Virtual Drive

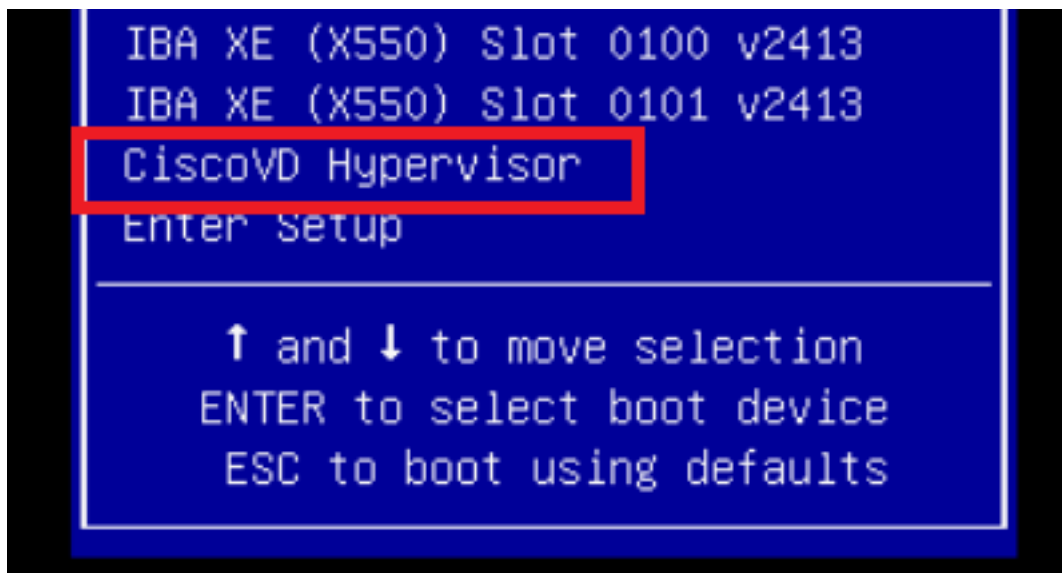
Virtual Drive	ID	Drive Scope	Size	Drive Status	Host Accessible
<input checked="" type="checkbox"/> Hypervisor	1	Raid	60901 MB	Healthy	Not-Connected

步驟9.現在觀察到虛擬驅動器已連線到主機，而且可以在啟動選單上看到，如下圖所示。

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	<b>Connected</b>



當您忘記在步驟2中選中AUTO-SYNC時？

虛擬驅動器不會自動同步，並且SD卡1繼續顯示為「不正常」。在「VIRTUAL DRIVES」頁籤下，選中「Virtual drive ( 虛擬驅動器 )」，然後按一下「SYNC VIRTUAL DRIVE ( 同步虛擬驅動器 )」。這稱為手動同步。不言自明。

完成同步後，虛擬驅動器和SD卡1會變為正常狀態，如步驟6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

## 相關資訊

- [Cisco FlexFlash:使用和管理思科UCS C系列獨立機架式伺服器的Cisco Flexible Flash內部SD卡](#)
- [配置和使用思科UCS伺服器上的Cisco FlexFlash安全數字卡白皮書](#)