Probleemoplossing zonder gesplitste SD-kaarten in CIMC met Flexstack-controller FX3S

Inleiding

In dit document wordt beschreven hoe u problemen kunt oplossen bij ongesplitste SD-kaarten en fout in Flexstack-controller.

Voorwaarden

Vereisten

Er zijn geen specifieke vereisten van toepassing op dit document.

Gebruikte component

De informatie in dit document is gebaseerd op de volgende software- en hardware-versies:

- Standalone C Series-server
- Flexflash-controller FX3S
- Twee SD kaarten van gelijke grootte
- CIMC-versie van 3.X of hoger

De informatie in dit document is gebaseerd op de apparaten in een specifieke

laboratoriumomgeving. Alle apparaten die in dit document worden beschreven, hadden een opgeschoonde (standaard)configuratie. Als uw netwerk levend is, zorg er dan voor dat u de mogelijke impact van om het even welke opdracht begrijpt.

Probleem

Foutberichten en foutcode

Code fout: F1260

Beschrijving: Flex Flash Virtual Drive 1 (hypervisors) vertraagd: Kijk op het flash-apparaat of de controller

Reden: Apparatuur_gedegradeerd

Code fout: F1262

Beschrijving: Flexflash-controller Flexflash-0 configuratiefout: Stel de Flexstack-controller correct in

Reden: Apparatuur_ongezond

Opmerking: Scenario waar de uitgifte met 1 SD kaart aanwezig is.

| Fault Summary | Fault History Sys | stem Event Lo | g Cisco IMC Log | Logging Controls | | | | | | |
|---|-------------------|---------------|------------------------------|------------------------------|-------------------------------|---|---------------------------------|------|--|--|
| Fault Entries Total 2 | | | | | | | | | | |
| Show Quick Filter 💌 | | | | | | | | | | |
| Time | Severity | Code | Domain Name | | Probable Cause | Description | | | | |
| | | | | | | | | | | |
| 2020-07-21T10:32 | 2:26 🔷 Warning | F1260 | sys/rack-unit-1/board/storag | e-flexflash-FlexFlash-0/vd-1 | equipment-degraded | Flex Flash Virtual Drive 1 (Hypervisor) Degraded: please check | the flash device or the control | ller | | |
| 2020-07-21T10:32 | 2:26 🔷 Warning | F1262 | sys/rack-unit-1/board/storag | e-flexflash-FlexFlash-0 | equipment-unhealthy | Flex Flash controller FlexFlash-0 configuration error: configure t | the flex controller correctly | | | |
| Faults Histo | ry | | | | | | Total 3 | ¢ - | | |
| | | | | | | Show | Quick Filter 💌 | | | |
| Time | Severity | Prot | able Cause | Description | | | | | | |
| | | | | | | | | | | |
| 2020 Jul 21 10:32 | 26 BST A Notice | EQU | IPMENT_DEGRADED | [F1260][warning][equipment | -degraded][sys/rack-unit-1/bo | oard/storage-flexflash-FlexFlash-0/vd-1] Flex Flash Virtual Drive 1 | (Hypervisor) Degraded: please | e | | |
| 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 | | | | | | |

Nadat u naar **Storage > Cisco Flexstack** navigeert, wordt SD-kaart 1 gezien als ongesplitste en virtuele drive Hypervisator zoals verwacht

| ሰ / / Cisco FlexFlash / | 🖌 / 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 Syn | c Virtual Drive | Erase Virtual Drive | | | | | | | | |
| Virtual Drive | ID | Drive Scope Siz | | Drive Status | Host Aco | ssible | Drive Type | Operation in Progre | ess Last Operation Status | |
| Hypervisor | 1 | Raid 304 | 32 MB | Degraded | Not-Conne | cted | Removable | NA | none | |
| (/ Cisco FlexFlash / General Physical Drives | / / Cisco FlexFlash / Physical Drives * Refresh Host Power Launch KVM Ping CIMC Reboot Locator LED @ | | | | | | | | | |
| Physical Drives | | | | | | | | | Total 2 🤹 | |
| Physical Drives | Status | Controller | Card Type | 0 | and Mode | Health | Sync Mode | Slot Number | | |
| SLOT-1 | present | FlexFlash-0 | unpartitioned | d card N/ | A | NA | NA | SLOT-1 | | |
| Capacity: 3 | 0436 MB | Partition Count: | : 0 | | Signat | ure: | 000000000000000000000000000000000000000 | 000000000000 | | |
| OEM ID: G | н | Write Error Thre | eshold: 0 | | Produ | t Name: | SMART | | | |
| Block Size: 5 | 12 bytes | Manufacturer ID |): 13 | 7 | Serial | Number: | 0x1010886f | | | |
| Card Status: N | A | Read Error Cou | nt: 0 | | Write | inabled: | true | | | |
| Product Revision: 3 | .0 | Write Error Cou | int: 0 | | Drives | Enabled: | | | | |
| Password Protected: fa | ilse | Read Error Thre | rshold: 0 | | Manuf | acturing Date: | 7/19 | | | |
| Dirty Partition Map: N | A | Stale Partition M | Map: NA | A | | | | | | |
| SLOT-2 | present | FlexFlash-0 | FX3S config | ured mi | irror-secondary | healthy | manual | SLOT-2 | | |
| | | | | | | | | | | |

De status van de flexibele flitser wordt hier in de afbeelding weergegeven.

| n / / Cisco FlexFlash / G | //Cisco FlexFlash / General ★ | | | | | | | | | | |
|---------------------------------------|-------------------------------|---------------------|-------|-----------------------|---|--|--|--|--|--|--|
| General Physical Drives | Virtual Drives Flex | Flash Logs | | | | | | | | | |
| Activate / Reset FlexFlash Controller | Configure Operational Pro | ofile Configure C | Cards | | | | | | | | |
| ▼ General | | | • | Physical Drive Coun | t | | | | | | |
| Product Name: | Cisco FlexFlash | | | Physical Drive Count: | 2 | | | | | | |
| Controller Name: | FX3S | | _ | Virtual Drive Count | | | | | | | |
| Running Firmware Version: | 1.3.2 build 172 | | • | Villan Drive Count | | | | | | | |
| Staged Firmware Version: | 1.3.2 build 172 | | | Virtual Drive Count: | 1 | | | | | | |
| Vendor: | Cypress | | | | | | | | | | |
| Controller Status: | Mode Matching Healthy | SD card and Fo | | | | | | | | | |
| Cards Manageable: | No | | I | | | | | | | | |

Opmerking: Ongefragmenteerde SD kaart is afgebroken en kan doorgaan met de RMA? Nee, vervanging zal het probleem misschien niet oplossen.

Oplossing

Stap 1. Onder het tabblad Algemeen klikt u op kaarten configureren zoals in deze afbeelding.

| al Physical Drives | Virtual Drives F | lexFlash Logs | |
|--------------------------------|-----------------------|-----------------------------------|-----------|
| e / Reset FlexFlash Controller | Configure Operational | Profile Configure Cards | |
| Seneral | | Configure Cards | 0 X |
| Product Name: | Cisco FlexFlash | | |
| Controller Name: | FX3S | | |
| Running Firmware Version: | 1.3.2 build 172 | Mode: Mirror | |
| Staged Firmware Version: | 1.3.2 build 172 | Mirror Partition Name: Hypervisor | |
| Vendor: | Cypress | Auto Sync: | |
| Controller Status: | ОК | Select Primary Card: Slot 1 | |
| Cards Manageable: | Yes | Virtual Drive: Removable | |
| | | Save Reset Value | es Cancel |

Stap 2. Selecteer Primaire kaart als **SLEUF 2** (omdat sleuf 1 gebruikt wordt voor de onverdeelde kaart en er vanuit wordt gegaan dat alle gegevens op SD kaart 2 zijn opgeslagen). Controleer **AUTO-SYNC** op **SAVE** zoals in deze afbeelding.

| onfigure Cards | _ | _ | 0 X |
|----------------------|-----------|--------------|--------|
| | | | |
| Mode: | Mirror | | |
| Auto Sync: | | | |
| Select Primary Card: | Slot 2 | | • |
| Virtual Drive: | Removable | | • |
| | Save | Reset Values | Cancel |

Stap 3. Nadat u op SAVE klikt, verschijnt er een venster zoals in deze afbeelding, klikt u op OK.

| ement C | This action will mark selected slot as healthy primary and other slot(if card existing) as unhealthy secondary. | ₩4 |
|----------------|---|----------|
| | This operation may also disturb host connectivity. | Launch ł |
| FlexF | Would you like to continue? | |
| erational Prof | OK Cancel | × |
| | | |
| sh | Mode: Mirror | |
| | Mirror Partition Name: Hypervisor | |

Stap 4. Nadat u op **OK** hebt geklikt, merk op dat in het tabblad Physical Drive, dat sleuf 1 met onverdeelde kaart moet worden geconfigureerd als **MIRROR_SECONDARY** maar **UNHEALTHY**, dit een verwacht gedrag is

| Ge | neral Physica | I Drives Virtua | al Drives | FlexFlash Logs | | | | | | | |
|----|-----------------|-----------------|-----------|----------------|-----------------|------------------|-----------|-----------|-------------|---------|----|
| Ph | ysical Drives | | | | | | | | | Total 2 | ¢٠ |
| | Physical Drives | Stat | us | Controller | Card Type | Card Mode | Health | Sync Mode | Slot Number | | |
| ۲ | SLOT-1 | pres | ent | FlexFlash-0 | FX3S configured | mirror-secondary | unhealthy | auto | SLOT-1 | | |
| • | SLOT-2 | pres | ent | FlexFlash-0 | FX3S configured | mirror-primary | healthy | auto | SLOT-2 | | |

Stap 5. Onder het tabblad **Virtual Drives** ziet u dat de **Auto-Sync** van Virtual Drive is gestart (in stap 2 is **de automatische sync** ingeschakeld). Wacht tot de auto-sync voor voltooiing 100%

| Gener | Physical Drives | Virtual Drives | FlexFlash Lo | ogs | | | | | |
|--------|---------------------|--------------------|-----------------|----------|--------------|-----------------|------------|------------------------|---|
| Virtua | al Drives | | | | | | | Selected 0 / Total 1 | ₽ |
| Di | sable Virtual Drive | Sync Virtual Drive | Erase Virtual D | Drive | | | | - | 1 |
| | Virtual Drive | ID | Drive Scope | Size | Drive Status | Host Accessible | Drive Type | Operation in Progress | L |
| | Hypervisor | 1 | Raid | 60901 MB | Degraded | Not-Connected | Removable | Syncing(Auto) 14% done | n |
| | | | | | | | | | _ |

Stap 6. Nadat **de Auto-Sync** is voltooid, zoals in deze afbeelding, ziet u het virtuele station als **gezond**.

| Gener | al Physical Drives | Virtual Drives | FlexFlash Lo | ogs | | | | |
|--------|--------------------|-------------------|-----------------|----------|--------------|-----------------|------------|-----------------------|
| Virtua | I Drives | | | | | | | Selected 0 / Total 1 |
| Dis | able Virtual Drive | ync Virtual Drive | Erase Virtual D | Irive | | | | |
| | Virtual Drive | ID | Drive Scope | Size | Drive Status | Host Accessible | Drive Type | Operation in Progress |
| | Hypervisor | 1 | Raid | 60901 MB | Healthy | Not-Connected | Removable | NA |

De kaart in sleuf nr. 1, die gezond wordt gezien in stap 4, is nu GEZOND na AUTO-SYNC.

| eral | Physical Drives | Virtual Drives | FlexFlash Logs | | | | | | |
|-------|-----------------|----------------|----------------|-----------------|------------------|---------|-----------|-------------|---------|
| sical | Drives | | | | | | | | Total 2 |
| Physi | cal 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 | |

Stap 7. De Virtual Drive is nog steeds niet bereikbaar als u hier observeert, wat betekent dat u het niet kunt zien in de opstartoptie en dat u uw OS niet vanaf daar kunt opstarten of het besturingssysteem niet kunt installeren.

| h / | / Cisco FlexFlas | sh / Virtua | I Drives ★ | | | Refresh Host Power | | | | |
|----------------|--------------------|--------------------|-------------------|-----------|--------------|--------------------|--|--|--|--|
| Gener | al Physical Drive | es Virtual | Drives FlexFlas | sh Logs | | | | | | |
| Virtual Drives | | | | | | | | | | |
| En | able Virtual Drive | Sync Virtual | Drive Erase Virte | ual Drive | | | | | | |
| | Virtual Drive | ID | Drive Scop | oe Size | Drive Status | Host Accessible | | | | |
| \checkmark | Hypervisor | 1 | Raid | 60901 MB | Healthy | Not-Connected | | | | |
| | | | 1 | | | | | | | |
| | | | | | | | | | | |

Stap 8. Klik onder Virtueel station op ENABLE VIRTUAL DRIVE om de host toegankelijk te maken.

| Æ | 差 🖞 Cisco Integrated Management Controller 🐥 | | | | | | | | | | | |
|------------|---|----------------------|-------------------|----------|--------------|----------------------|--|--|--|--|--|--|
| n / | . / Cisco FlexFla | ash / Virtual | Drives ★ | | | Refresh Host Power | | | | | | |
| Gen | General Physical Drives Virtual Drives FlexFlash Logs | | | | | | | | | | | |
| Virt | Virtual Drives | | | | | | | | | | | |
| | Enable Virtual Drive | Sync Virtual D | rive Erase Virtua | Drive | | | | | | | | |
| | Virtual Drive | ID | Drive Scope | Size | Drive Status | Host Accessible | | | | | | |
| | Hypervisor | 1 | Raid | 60901 MB | Healthy | Not-Connected | | | | | | |
| | - | | | | | | | | | | | |

Stap 9. Nu wordt opgemerkt dat het virtuele station is aangesloten op de host en zichtbaar is in het beginmenu zoals in deze afbeelding.



Wanneer vergeet u AUTO-SYNC te controleren in stap 2?

Het virtuele station synchroniseert niet automatisch en SD kaart 1 blijft als **ONGEZOND** weergeven. Controleer onder het tabblad **VIRTUAL DRIVES** het virtuele station en klik op **SYNC VIRTUAL DRIVE.** Dit heet **HANDMATIGE SYNC**. Dat spreekt voor zichzelf. Nadat Sync is voltooid, worden de virtuele schijf en de SD-kaart 1 gezond zoals in **stap 6** wordt weergegeven.

| / / Cisco FlexFlash / Virtual Drives 🔺 | | | | | Refresh Host Pow | ver Launch KVM Pir | ng CIMC Reboot Locator LED |
|--|---|---|--|---|--|---|---|
| hysical Drives Virtual Drives | | FlexFlash Logs | | | | | |
| s | | | | | | | Selected 1 / Total 1 |
| al Drive S | Sync Virtual Drive Erase Virtual Drive | | rive | | | | |
| Drive | ID | Drive Scope | Size | Drive Status | Host Accessible | Drive Type | Operation in Progress |
| ior | 1 | Raid | 60901 MB | Degraded | Not-Connected | Removable | Syncing(Manual) 0% done |
| | > FlexFlash nysical Drives S nal Drive S Drive xor | FlexFlash / Virtual Drive nysical Drives Virtual Drives s al Drive Drive ID sor 1 | > FlexFlash / Virtual Drives hysical Drives Virtual Drives S hal Drive Sync Virtual Drive Erase Virtual Drive Drive ID Drive Drive Scope Nor 1 | > FlexFlash / Virtual Drives ★ hysical Drives Virtual Drives S hal Drive Sync Virtual Drive Erase Virtual Drive Drive ID Drive Scope Size Nor 1 Raid 60901 MB | S Ising Sync Virtual Drives S Ising Drive Sync Virtual Drive Erase Virtual Drive Drive ID Drive Scope Size Drive Status Sor 1 Raid 60901 MB Degraded | S S al Drive Sync Virtual Drive Erase Virtual Drive Erase Virtual Drive Drive ID Drive Scope Size Drive Status Host Accessible sor 1 Refresh Host Pow | Second Prives Refresh Host Power Launch KVM Prive Nysical Drives Virtual Drives FlexFlash Logs FlexFlash L |

Gerelateerde informatie

- <u>Cisco FlexFlash: Gebruik en beheer van Cisco Flexibele Flash interne SD-kaart voor Cisco</u>
 <u>UCS C-Series standalone rackservers</u>
- <u>Configuratie- en gebruik Cisco FlexFlash beveiligde digitale kaarten op Cisco UCS-servers -</u> witboek