NetApp Knowledge Base

False bypass alert after drive replacement

https://kb-stage.netapp.com/on-prem/ontap/OHW/OHW-KBs/False_bypass_alert_after_drive_replacem…

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Applies to

- FS4483NSM16E
- Internal disk shelf

Issue

- Drive in the internal shelf (bay 14, [0n.14]) reported as missing and bypassed.
- The drive was replaced, and both controllers recognized the new disk as healthy.
- However, the system continued to report the replacement drive as “Bypassed” from controller A in the storage fault output, despite no other issues being detected.

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Relevant log output:

From Storage-fault:

```
Enclosure Status: non-critical
Channel: 0s
Shelf: 0
Shelf Type: FS4483NSM16E
Module Type: NSM16E

14 [Bay 14]: NONCRITICAL       03,0E,20,08   ENCLOSURE BYPASSED A,
BYPASSED A
```

From Storage-shelf data shows, no issues:

```
Shelf name:    Partner.shelf0
Shelf id:      0
Channel:       Partner
Module:        A
Shelf UID:     xx:xx:xx:xx:xx:xx:xx:xx
Shelf S/N:     xxxxxxxxxxx
Term switch:   N/A
Shelf state:   ONLINE
Module state:  OK

                 Device       Port         Negotiated    Medium
Device       Port          Negotiated   Received
Disk   Port      Max Link     Max Link     Link          Max Link     Max
Lane     Max Lane      Lane         Error        Bad TLP      Bad
DLLP     Uncorrectable  Correctable
Id     State     Speed        Speed        Speed         Speed
Width        width         width        Count        Count
Count        Errors         Errors
                 (GT/s)       (GT/s)       (GT/s)        (GT/s)
-------------------------------------------------------------------------
-------------------------------------------------------------------------
--------------------------
13 ]  OK        16.0         8.0          16.0          8.0
2            2            2            0            0
0            0              0
[14 ]  OK       16.0         8.0          16.0          8.0
2            2            2            0            0
0            0              0

Shelf name:    0s.shelf0
Shelf id:      0
```

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```
Channel:       0s
Module:        B
Shelf UID:     xx:xx:xx:xx:xx:xx:xx:xx
Shelf S/N:     xxxxxxxxxxxx
Term switch:   N/A
Shelf state:   ONLINE
Module state:  OK

                 Device       Port          Negotiated    Medium
Device       Port          Negotiated   Received
Disk   Port      Max Link     Max Link     Link          Max Link     Max
Lane     Max Lane      Lane         Error        Bad TLP      Bad
DLLP     Uncorrectable  Correctable
Id     State     Speed        Speed        Speed         Speed
Width        width         width        Count        Count
Count        Errors         Errors
                 (GT/s)       (GT/s)       (GT/s)        (GT/s)
-------------------------------------------------------------------------
-------------------------------------------------------------------------
--------------------------
13 ]  OK        16.0         8.0          16.0          8.0
2            2            2            0            0
0            0              0
[14 ]  OK       16.0         8.0          16.0          8.0
2            2            2            0            0
0            0              0
```

From Sysconfig-r log also shows, no issues:

```
stnpa1-02-st101
--------- ------ ------------ ---- ---- ---- ----- --------------    ----
----------
Spare disks for block checksum
spare    0n.14P3 0n    0   14  NV:B   0 SSD-NVM   N/A 23956/6132864
23964/6134912 (fast zeroed)
spare    0n.14P2 0n    0   14  NV:B   0 SSD-NVM   N/A 7313519/1872260992
7313527/1872263040 (fast zeroed)

stnpa1-01-st101
spare    0n.14P1 0n    0   14  NV:A   0 SSD-NVM   N/A 7313519/1872260992
7313527/1872263040 (fast zeroed)
```

- sysconfig -a, -r, shelf all showed the disk as present and healthy.
- Only the storage fault output continued to indicate “Bypassed” for bay 14.

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