



BIOS升级错误：无法将主映像保存到备份闪存设备

https://kb-cn.netapp.com/on-prem/ontap/OHW/OHW-KBs/BIOS_upgrade_error_Failed_to_save_Primar...

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适用场景

- AFF A300
- AFF A320
- AFF A200
- AFF A220
- AFF A700s
- FAS 8200
- BIOS更新
 - 手动
 - andu

问题描述

- 从ONTAP 手动/andu更新BIOS固件失败

- 从 [控制台](#) 日志：

```
New BIOS version: 11.15
New LOADER version: 6.0.14
Enabling write access to the flash ME region...
ME region - write access enabled.
Saving Primary Image to Backup flash device
fail unlocking memory
Failed. -4 bytes written: I/O error
Failed to save Primary Image to Backup flash device. Programming of
Primary aborted
Automatic firmware update skipped (update_flash command failed).

Warning: The boot media contains a newer firmware image (11.15).
Please run 'update_flash' at the Loader prompt to update your
system firmware (11.11).
```

- 从Loader提示符升级会导致类似错误：

```
New BIOS version: 11.15
New LOADER version: 6.0.14
Enabling write access to the flash ME region...
ME region - write access enabled.
Saving Primary Image to Backup flash device
-----
-----+*** Flash verify failed. ****
Failed. -4 bytes written: I/O error
Failed to save Primary Image to Backup flash device. Programming of
Primary aborted
*** command status = I/O error(-4)
```

- 如果执行自动无中断升级(Automated Non-Disrupting Upgrade、ANDU)、则升级会 因配对节点而暂停 is not in a "waiting for giveback

```
::> cluster image show-update-progress

               Estimated      Elapsed
Update Phase   Status          Duration    Duration
```

```

-----
Pre-update checks    completed          00:10:00      00:00:35
Data ONTAP updates  paused-on-error    01:23:00      00:37:18

```

Details:

```

Node name      Status      Status Description
-----
node-01        waiting
node-02        failed      Error: Node "node-02" is not in
               "waiting for giveback" state.
               Action: Use the "storage failover
               show" to verify that node
               "node-02" is in one of the
               following states: "waiting for
               giveback" or "connected".

```

- 从SP执行system power cycle 不会解析问题描述。