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## 由于NVRAM内容有效、TPM未更新

[https://kb-cn-stage.netapp.com/on-prem/ontap/OHW/OHW-KBs/TPM\\_doesnt\\_update\\_due\\_to\\_valid\\_N...](https://kb-cn-stage.netapp.com/on-prem/ontap/OHW/OHW-KBs/TPM_doesnt_update_due_to_valid_N...)

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### 适用场景

- FAS 2720
- ONTAP 9

### 问题描述

TPM固件无法更新：

```
There appears to be valid data in the NVRAM. You must boot Data ONTAP in order to flush
```

```
the NVRAM to disk, and then cleanly shutdown the filer with the halt command.
```

```
Skipping TPM firmware update due to pending user data at NVMEM region.
```

```
Failed to set BMC LED status: Invalid command.
```