



## 主板更换后板载密钥管理器同步失败

[https://kb-cn.netapp.com/on-prem/ontap/dm/Encryption/Encryption-KBs/Onboard\\_keymanager\\_sync\\_f...](https://kb-cn.netapp.com/on-prem/ontap/dm/Encryption/Encryption-KBs/Onboard_keymanager_sync_f...)

Updated: Fri, 17 Apr 2026 13:26:53 GMT

### 适用于

- 下面列出的 ONTAP 版本没有修复 [错误 ID 1573150](#)
  - 9.8P19 和 9.8P20
  - 9.9.1P16 和 9.9.1P17
  - 9.10.1P13 和 9.10.1P14
  - 9.11.1P8 至 9.11.1P11
  - 9.12.1P2 至 9.12.1P6
  - 9.13.1 和 9.13.1P1

- TPM 5.63
- 板载密钥管理器 (OKM)

## 问题

- 主板 (PCM) 已更换
- 已按照[还原板载密钥管理加密密钥](#)或[如何从 ONTAP 启动菜单还原板载密钥管理器服务器配置](#)中的步骤成功完成操作；但是，会产生以下警告：

WARNING!

```
TPM is not initialized but OKM's key hierarchy is already protected with
TPM
```

- 其他可能的错误包括：

```
Feb 28 14:45:52 [cluster1:crypto.ssal.failed:ALERT]: SSAL operation
failed: SSAL Unseal operation failed
```

```
Feb 28 14:45:52 [cluster1:crypto.okmrecovery.failed:ALERT]: ERROR:
Import of the onboard key hierarchy failed: failed to import key
hierarchy. Additional information: error: ssal unseal failed
```

```
::> event log show -message-name gb.sfo.veto.kmgr.keysmisssing
<date><time> <node-name> ERROR gb.sfo.veto.kmgr.keysmisssing: Giveback
of aggregate <aggr-name> failed due to unavailability of volume
encryption keys for the encrypted volumes of the aggregate on the
partner node <node-name>.
```

- 回馈后，OKM 同步失败，原因如下：

```
::> security key-manager onboard sync
```

```
Error: command failed: The Onboard Key Manager has failed to sync on the
local node "cluster1-02", error: "Internal error". Failed to setup the
Onboard Key Manager on node "cluster1-02"
```

