



节点启动环路，存在 CPU 异常：操作代码无效异常（#UD）

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

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适用场景

- AFF
- FAS
- ONTAP 9

问题描述

- 节点启动循环出现错误 CPU Exception:Invalid Opcode Exception (#UD)
- 尝试启动时、会显示以下消息

CPU Context (X64):

```
RIP - 0000000079C8A6FE, CS - 0000000000000038, RFLAGS - 000000000010807
RAX - FFFD70008FF90000, RCX - 000000000000005F, RDX - 00000000FFFD7000
RBX - 0000000000000002, RSP - 000000007AAFCF18, RBP - 0000000000000002
```

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RSI - 000000000005E296, RDI - 000000000005E266
R8 - FFFD70008FF90000, R9 - 0000000000000000, R10 - 0000000000000000
R11 - 0000000000000000, R12 - 0000000000000000, R13 - 0000000000000000
R14 - 0000000000000000, R15 - 0000000000000000
DS - 0000000000000030, ES - 0000000000000030, FS - 0000000000000018
GS - 0000000000000018, SS - 0000000000000030
GDTR - 000000007BFA5000 0000000000000047, LDTR - 0000000000000000
IDTR - 000000007BFA5048 00000000000000FF, TR - 0000000000000000
CR0 - 0000000080000011, CR2 - 0000000000000000, CR3 - 000000006B78E000
CR4 - 0000000000000228, CR8 - 0000000000000000
DR0 - 0000000000000000, DR1 - 0000000000000000, DR2 - 0000000000000000
DR3 - 0000000000000000, DR6 - 00000000FFFF0FF0, DR7 - 0000000000000400

System Reset Requested.

- 节点永远不会到达 LOADER