



panic : 缺少系统ID或系统ID无效

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

Updated: Wed, 22 Apr 2026 08:49:18 GMT

适用场景

- AFF A700
- FAS9000

问题描述

- 发生以下崩溃

```
WARNING: Unable to get sysid!
```

```
PANIC : Missing/invalid System ID: bootarg.frurom.fileid=<0>.
```

```
version: 9.7P5: Tue Jun 23 00:04:35 EDT 2020
```

```
conf : x86_64.optimize
```

```
cpuid = 14
```

```
Uptime: 16s
```

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```
ahcich0: AHCI reset done: devices=00000001
coredump: primary dumper is not yet registered this early during system
initialization. A coredump will not be available at this time.
coredump: secondary dumper is not yet registered this early during system
initialization. A coredump will not be available at this time.
System halting...
BIOS Version: 10.7
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.
.
.
Initializing System Memory ...
Loading Device Drivers ...
IPMI PCI Slot Configuration failed.
Configuring Devices ...
Device(s) in slot missing, attempting to recover it.
System is resetting.
BIOS Version: 10.7
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Initializing System Memory ...
Loading Device Drivers ...
IPMI PCI Slot Configuration failed.
Configuring Devices ...

CPU = 2 Processor(s) Detected.
  Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz (CPU 0)
  CPUID: 0x000406F1. Cores per Processor = 18
  Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz (CPU 1)
  CPUID: 0x000406F1. Cores per Processor = 18
524288 MB System RAM Installed.
SATA (AHCI) Device: SV9MST6D120GLM41NP

Boot Loader version 6.0.8
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BIOS POST Failure(s) detected: PCIe device missing error detected. Abort
AUTOBOOT
```

- partner-sysid printenv输出中没有

LOADER-B> printenv

```
Variable Name      Value
-----
ARCH               X86_64
AUTOBOOT           true
AUTOBOOT_FROM      PRIMARY
AUTO_FW_UPDATE     true
BACKUP_BIOS_VERSION 10.5
BIOS_DATE           Tue 10/22/2019
BIOS_INTERFACE     40000000000400C7
BIOS_VERSION       10.7
BOARDNAME          SB_XXI
bootarg.frurom.fileid 0
bootarg.init.flash_optimized true
BOOTED_FROM        OTHER
boot_backup         setenv BOOTED_FROM BACKUP; boot -elf64 $GX_BACKUP_KERNEL_URL
BOOT_CONSOLE       eficons0a
boot_diags          boot -sld -elf64 $GX_DIAG_URL
BOOT_FLASH         flash0a
boot_ontap         autoboot
boot_primary        setenv BOOTED_FROM PRIMARY; boot -elf64
$GX_PRIMARY_KERNEL_URL
BT_BIOS_VERSION    10.7
BT_LOADER_VERSION  6.0.8
CPU_NUM_CORES      36
CPU_SPEED           2300
CPU_TYPE           Intel(R) Xeon(R) CPU E5-2697 v4 @ 2.30GHz
ENABLE_SMI         false
ENV_VERSION        1
FIRMWARE_URL       fat://boot0/X86_64/firmware/SB_XXI/firmware.img
GX_BACKUP_KERNEL_URL fat://boot0/X86_64/freebsd/image2/kernel
GX_DIAG_URL        fat://boot0/X86_64/freebsd/image1/kernel
GX_PRIMARY_KERNEL_URL fat://boot0/X86_64/freebsd/image1/kernel
ldkern             load -elf64 $GX_PRIMARY_KERNEL_URL
LOADER_VERSION     6.0.8
MOBO_MODEL         FAS9000
MOBO_REV           F0
MOBO_SERIAL_NUM    031939000543
MOBO_VENDOR        NetApp, Inc.
```

```

netboot          setenv BOOTED_FROM NETWORK; boot -elf64
ntap.init.kernelname X86_64/freebsd/imagel/kernel
OEM_TYPE_2/0/29/0/0x8086/0x8D26 0/u/b
OEM_TYPE_2/0/31/2/0x8086/0x8D02 0/u/a
OEM_TYPE_2/173/0/0/0x11F8/0x8072 9/#/#
OEM_TYPE_2/207/0/0/0x10B5/0x8732 10/#/#
OEM_TYPE_2/208/8/0/0x10B5/0x8732 10/#/#
OEM_TYPE_2/208/9/0/0x10B5/0x8732 10/#/#
OEM_TYPE_2/209/0/0/0x8086/0x1584 10/#/#
OEM_TYPE_2/210/0/0/0x8086/0x1584 10/#/#
OEM_TYPE_2/57/0/0/0x10B5/0x8732 4/#/#
OEM_TYPE_2/58/8/0/0x10B5/0x8732 4/#/#
OEM_TYPE_2/58/9/0/0x10B5/0x8732 4/#/#
OEM_TYPE_2/59/0/0/0x8086/0x1584 4/#/#
OEM_TYPE_2/59/0/1/0x8086/0x1584 4/#/#
OEM_TYPE_2/59/0/2/0x8086/0x1584 4/#/#
OEM_TYPE_2/59/0/3/0x8086/0x1584 4/#/#
OEM_TYPE_2/60/0/0/0x8086/0x1584 4/#/#
OEM_TYPE_2/60/0/1/0x8086/0x1584 4/#/#
OEM_TYPE_2/60/0/2/0x8086/0x1584 4/#/#
OEM_TYPE_2/60/0/3/0x8086/0x1584 4/#/#
OEM_TYPE_2/96/0/0/0x8086/0x1533 0/e/M
OEM_TYPE_3      0/0/31/2/u0a.0/SV9MST6D120GLM41NP;
OEM_TYPE_4      32768/0/4096/0xC7FE8000
PRIMARY_BIOS_VERSION 10.7
savenv          saveenv
sysvar.init.boot.varfs.restore.success true
SYS_MODEL       FAS9000
SYS_REV         A1
SYS_SERIAL_NUM  xxxxxxxxxxxxxxxx
update_flash    flash -backup $FIRMWARE_URL flash0a
USE_SECONDARY   false
vm.pci.mmio.64.addr 0xc000000000
vm.pci.mmio.64.size 0x3ffc000000

```

- Slot 6 missing 将显示在**Events All**输出中

```
Record 2444: Mon May 16 02:53:06.837889 2022 [SP.notice]: PCIE Config Info
received from BIOS
```

```
Record 2445: Mon May 16 02:53:06.894052 2022 [SP.notice]: ScratchPad Config
Info received from BIOS
```

Record 2446: Mon May 16 02:53:10.215127 2022 [IPMI.notice]: (PUA) Enable power to all PCIe slots

Record 2447: Mon May 16 02:53:10.224249 2022 [IPMI.notice]: (PUA) Enable power to all PCIe on board device

Record 2448: Mon May 16 02:53:10.000000 2022 [SysFW.notice]: BIOS Version: 10.7

Record 2449: Mon May 16 02:53:10.274365 2022 [IPMI.notice]: (PUA) P_stat :slots=0x0,onboard_devs=0x0,final

Record 2450: Mon May 16 02:53:10.274422 2022 [IPMI.notice]: (PUA) Power status of all PCIe slots unchanged

Record 2451: Mon May 16 02:53:16.564218 2022 [IPMI.notice]: 7502 | 02 | EVT: 01500f14 | Bat_Rem_Cap | Assertion Event, "Lower Non-critical going low " | Reading: 0.375 | Threshold: 0.500

Record 2452: Mon May 16 02:53:19.000000 2022 [SysFW.critical]: IPMI PCI Slot Configuration failed.

Record 2453: Mon May 16 02:53:19.432640 2022 [Trap Event.critical]: hwassist post_error (26)

Record 2454: Mon May 16 02:53:24.000000 2022 [SysFW.notice]: Device 94/0/0 (SLOT-6-CPU0) missing

Record 2455: Mon May 16 02:53:25.456187 2022 [IPMI.notice]: 7602 | 02 | EVT: 6f02ffff | PCM_Status | Assertion Event, "Fault"

Record 2456: Mon May 16 02:53:27.000000 2022 [SysFW.notice]: Device(s) in slot missing, attempting to recover it.