



CHW-2756：由于 NVS 模块的固件升级时间较长，AFF-A900 到 9.13.1P7 上的 ANDU 可能会暂停

<https://kb-cn-stage.netapp.com/on-prem/ontap/OHW/OHW-Issues/CHW-2756>

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问题描述

- NVS 模块固件升级可能需要很长时间，长达 1.5 小时
- [BMC > 系统日志]
[...]
[无效的 NVRAM FW 配置。NVRAM FW 将更新。]
[正在加载 NVRAM 固件版本 1.1.1 (原版本为 1.1.1)]
[设置成功：id(NVRAM_FPGA)；status(ONGOING)；eta(2)；err_code(0)。]
[正在编程 NVRAM FW...]
[正在为镜像 1 编程元数据]
[镜像 1 有效。]
[设置成功：id(NVRAM_FPGA)；status(COMPLETED)；eta(0)；err_code(0)。]
[FWU 注册 reboot.NVRAM_FPGA_FWUPDATE 成功]
[...]
[bootarg.to.version="9.13.1P7"]
[...]
[FWU 执行系统重启以完成固件更新。]

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[.]
[运行时间：1h24m41s]

- [::> node run -node node1 -command sysconfig -a]
BEFORE
[slot 6: NVRAM (NVRAM 11)]
[(...)]
[运行固件：1.1.1]
[MCU 修订版：1.4]

在
[插槽 6：NVRAM (NVRAM 11)]
[(...)]
[运行固件：1.1.1]
[MCU 修订版本：1.5]