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## 简介

本文提供一个逐步程序关于怎样升级网络分析模块(NAM)软件到版本3.x。

## 先决条件

### 要求

尝试进行此配置之前，请确保满足以下要求：

- 与文件传输协议(FTP)的熟悉
- 与Catalyst交换机管理的熟悉从line命令

### 使用的组件

本文档中的信息基于以下软件和硬件版本：

- WS-X6380 (原始NAM)
- NAM版本3.0软件
- NAM-1和NAM-2硬件设备
- 运行CatOS 7.3.1的Catalyst 6505

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您使用的是真实网络，请确保您已经了解所有命令的潜在影响。

### 规则

有关文档规则的详细信息，请参阅 [Cisco 技术提示规则](#)。

## 升级NAM软件对版本3.x

## 任务

此部分引见信息升级NAM软件到版本3.x。

## 逐步指导

完成这些步骤为了升级您的软件：

1. 下载文件：原始NAM？[Cat6500的\(产品参考的软件下载NAM。代码：WS-X6380-NAM\)](#) (仅限注册用户)和得到c6nam.3-1-1.bin.gz文件。对[软件下载NAM的NAM1/NAM2?Refer Cat6500的\(产品。代码：WS-SVC-NAMx\)](#) (仅限注册用户)和得到c6svc-nam.3-1-1.bin.gz文件。
2. 安置文件在帐户的根目录在您打算使用的FTP服务器。注意：此图示使用WS-X6380-NAM，但是适用于WS-SVC-NAM-1和WS-SVC-NAM-2。此示例使用此信息：FTP服务器是：名称：rtp-sycamore.cisco.com地址：172.18.123.68帐户ID是cse。帐户密码是csecse。cse的根目录是：| rtp-sycamore cse %4> pwd /local/home/cse。列出得文件那里，因而是：/local/home/cse/c6nam.3-1-1.bin.gz。| rtp-sycamore cse %4>ls -Al c6nam.3-1-1.bin.gz -rw-r--r--1 cse其他11:17 5月75671244 28日c6nam.3-1-1.bin.gz
3. 为了验证FTP服务器作用，测试发现此FTP服务器是否从另一个工作站是可访问：注意：使用得rtp-cse-205为例此处。rtp-cse-205\_oansari-> ftp rtp-sycamoreConnected to rtp-sycamore.cisco.com.220 rtp-sycamore FTP server (SunOS 5.7) ready.Name (rtp-sycamore:oansari): cse331 Password required for cse.Password: csecse230 User cse logged in.Remote system type is UNIX.Using binary mode to transfer files.
4. 当您访问FTP服务器时，请确保文件是可用的：ftp> ls c6nam.3-1-1.bin.gz227 Entering Passive Mode (172,18,123,68,222,205)150 ASCII data connection for /bin/ls (64.102.51.64,35372) (0 bytes).-rw-r--r-- 1 cse other 75671244 May 28 11:17 c6nam.3-1-1.bin.gz226 ASCII Transfer complete.当您验证时文件是存在和可用的，您增加信心对NAM的文件传输将是成功的。这确认FTP服务运行，并且必要的文件可以下载对FTP客户端。
5. 开始步骤升级NAM。示例如下：检查模块：nms-6506a> (enable) sh mod...Mod Slot Ports  
Module-Type Model Sub Status---  
-----1 1 2 1000BaseX Supervisor WS-X6K-SUP1A-2GE yes ok15 1 1 Multilayer Switch Feature WS-F6K-MSFC no ok2 2  
0 FlexWAN Module WS-X6182-2PA no power-down4 4 2 Network  
Analysis Module WS-X6380-NAM no ok5 5 8 1000BaseX Ethernet WS-X6408-GBIC no ok6 6 48 10/100BaseTX Ethernet WS-X6348-RJ-45 yes  
ok输出显示NAM利益在插槽4查找，并且状态是。检查CatOS交换机的版本：nms-6506a> (enable) sh verWS-C6506 Software, Version NmpSW: 7.3(1)注意：版本一定7.3(1)或以后。如果您的交换机不是对此版本，请勿继续升级NAM。首先请升级交换机软件。如果指示的版本7.3(1)或以后，然后重置NAM：nms-6506a> (enable) reset 4 hdd:2This command will reset module 4.Unsaved configuration on module 4 will be lostDo you want to continue (y/n) [n]? yModule 4 shut down in progress, do not remove module until shutdown completed.nms-6506a> (enable)注意：对于NAM1/NAM2您必须使用这些命令：重置<module> cf:1。您看到在终端的此输出：nms-6506a> (enable) reset 4 hdd:2This command will reset module 4.Unsaved configuration on module 4 will be lostDo you want to continue (y/n) [n]? yModule 4 shut down in progress, do not remove module until shutdown completed.nms-6506a> (enable)顺利地确保NAM重新启动：nms-6506a> (enable) sh mod 4Mod Slot Ports Module-Type Model Sub Status---  
-----4 4 2  
Network Analysis Module WS-X6380-NAM no ok !--- Yes, it is up again.会话到NAM里和发出upgrade命令：nms-6506a> (enable) sess 4Trying NAM-4...Connected to NAM-4.Escape character is '^'.Cisco Network Analysis Module (WS-X6380-NAM)Maintenance Partition !--- Notice how this states Maint Partition now.login: rootPassword: !--- Enter the password (the default password here is 'cisco').Network Analysis Module (WS-X6380-NAM) Console, 1.2(1a)mCopyright (c) 1999, 2000, 2001 by cisco Systems, Inc.root@nms-6506a-nam.123.cisco.com#upgrade ftp://cse:csecse@172.18.123.68/local/home/cse/c6nam.3-1-1.bin.gz!--- Notice that the

complete path was specified after the IP address, !--- the same path that was retrieved from the "pwd" command on the server. !--- For this reason, it is encouraged to use your UNIX server as your !--- FTP server. If necessary, get your sysadmin to enable FTP on it !--- temporarily to upgrade this NAM. !--- This step takes the longest time to

```
upgrade.root@nms-6506a-nam.123.cisco.com#upgrade
```

```
ftp://cse:csecse@172.18.123.68/local/home/cse/c6nam.3-1-1.bin.gz500 'SIZE c6nam.3-1-1.bin.gz': command not understood.ftp://cse:csecse@172.18.123.68/local/home/cse/c6nam.3-1-1.bin.gz (unknown size) - [[] 41362K !--- This goes on for a long time.!--- You have to be patient through this. !--- Then, after a lot of time, (can run for hours):75671250 bytes transferred in 3010.21 sec (24.55k/sec)downloaded image version 3.1(1)Upgrade file ftp://cse:csecse@172.18.123.68/local/home/cse/c6nam.3-1-1.bin.gzis downloaded. Upgrading will wipe out thecontents of the application partition on the hard disk.Do you want to proceed installing it [y|N]: yProceeding with installation. Please do not interrupt.If installation is interrupted or fails, boot this partition again and restart upgrade.!--- After a few minutes, you should see this:Upgrade complete. You can boot the new application
```

```
partition.root@nms-6506a-nam.123.cisco.com#是上一步并且重置交换机 : root@nms-6506a-nam.123.cisco.com#exitnms-6506a> (enable) reset 4This command will reset module 4.Unsaved configuration on module 4 will be lostDo you want to continue (y/n) [n]? yModule 4 shut down in progress, do not remove module until shutdown completed.you might see these log messages as well:2003 May 28 12:47:45 %SNMP-5-ENTITYMODTRAP:Module 4 status changed to "unknown(1)"2003 May 28 12:47:45 %SNMP-5-MODULETRAP:Module 4 [Down] Trap2003 May 28 12:47:45 %SNMP-5-ENTITYMODTRAP:Module 4 status changed to "failed(7)"2003 May 28 12:48:00 %SNMP-5-FRUREMOVEDTRAP:module 4 removed2003 May 28 12:48:00 %SNMP-5-ENTITYTRAP:Entity Mib last change time 483565551 ticks2003 May 28 12:48:00 %SNMP-5-ENTITYMODTRAP:Module 4 status changed to "unknown(1)"2003 May 28 12:48:16 %SNMP-5-ENTITYTRAP:Entity Mib last change time 483567205 ticks2003 May 28 12:48:16 %SNMP-5-FRUINSERTEDTRAP:module 4 inserted2003 May 28 12:48:00 %SNMP-5-FRUREMOVEDTRAP:module 4 removed2003 May 28 12:48:00 %SNMP-5-ENTITYTRAP:Entity Mib last change time 483565551 ticks2003 May 28 12:48:00 %SNMP-5-ENTITYMODTRAP:Module 4 status changed to "unknown(1)"2003 May 28 12:48:16 %SNMP-5-ENTITYTRAP:Entity Mib last change time 483567205 ticks2003 May 28 12:48:16 %SNMP-5-FRUINSERTEDTRAP:module 4 inserted2003 May 28 12:50:22 %SNMP-5-ENTITYMODTRAP:Module 4 status changed to "ok(2)"2003 May 28 12:50:22 %SNMP-5-MODULETRAP:Module 4 [Up] Trap2003 May 28 12:50:22 %SNMP-5-FRUREMOVEDTRAP:module 4 removed2003 May 28 12:50:22 %SNMP-5-ENTITYTRAP:Entity Mib last change time 483579792 ticks2003 May 28 12:50:22 %SNMP-5-FRUINSERTEDTRAP:module 4 inserted2003 May 28 12:50:23 %SYS-3-MOD_PORTINTFINFSYNC:Port
```

```
Interface in sync for Module 4最后 , 对再NAM的登录 : nms-6506a> (enable) sess 4Trying NAM-4...Connected to NAM-4.Escape character is '^'.Cisco Network Analysis Module (WS-X6380-NAM) !--- NOTE #1: The 3.1 application image upgrade requires a special !--- one-time extra reboot for optimal NAM 3.1 operation. !--- Reboot the NAM immediately after logging in. !--- NOTE #2: Although it is NOT recommended, if for some reason you either !--- want to downgrade the application image later on this NAM or reinstall !--- the maintenance image, it is necessary to first install the NAM !--- downgrade patch.login: rootPassword: Terminal type: vt100Cisco Network Analysis Module (WS-X6380-NAM) Console, 3.1(1)Copyright (c) 1999-2003 by cisco Systems, Inc.root@nms-6506a-nam.123.cisco.com# root@nms-6506a-nam.123.cisco.com# reboot !--- Reboot the NAM one last time.Reboot the NAM? (Y/N) [N]: y
```

6. 请等待 , 直到NAM重新启动nms-6506a> (enable) sess 4Trying NAM-4...Connected to NAM-4.Escape character is '^'.Cisco Network Analysis Module (WS-X6380-NAM) !--- NOTE #1: The 3.1 application image upgrade requires a special !--- one-time extra reboot for optimal NAM 3.1 operation. !--- Reboot the NAM immediately after logging in. !--- NOTE #2: Although it is NOT recommended, if for some reason you either !--- want to downgrade the application image later on this NAM or reinstall !--- the maintenance image, it is necessary to first install the NAM !--- downgrade patch.login: rootPassword: Terminal type: vt100Cisco Network Analysis Module (WS-X6380-NAM) Console, 3.1(1)Copyright (c) 1999-2003 by cisco Systems, Inc.root@nms-6506a-nam.123.cisco.com# root@nms-6506a-nam.123.cisco.com# reboot !--- Reboot the NAM one last time.Reboot the NAM? (Y/N) [N]: y并且终于 : nms-6506a> (enable) sess 4Trying NAM-4...Connected to NAM-4.Escape character is '^'.Cisco Network Analysis Module (WS-X6380-NAM) !--- NOTE #1: The 3.1 application image upgrade requires a special !--- one-time extra reboot for optimal NAM 3.1 operation. !--- Reboot the NAM immediately after logging in. !--- NOTE #2: Although it is NOT recommended, if for some reason you either !--- want to downgrade the application image later on this NAM or reinstall !--- the maintenance image, it is necessary to first install the NAM !--- downgrade patch.login: rootPassword: Terminal type: vt100Cisco Network Analysis Module (WS-X6380-NAM) Console,

```
3.1(1)Copyright (c) 1999-2003 by cisco Systems, Inc.root@nms-6506a-nam.123.cisco.com#
root@nms-6506a-nam.123.cisco.com# reboot !--- Reboot the NAM one last time.Reboot the NAM?
(Y/N) [N]: y
```

## 验证

使用本部分可确认配置能否正常运行。

[命令输出解释程序 \(仅限注册用户\)](#) (OIT) 支持某些 **show** 命令。使用 OIT 可查看对 **show** 命令输出的分析。

- **show mod**

```
nms-6506a> (enable) sh mod 4 Mod Slot Ports Module-Type Model Sub Status--- ---- -
-----
-----4 4 2 Network Analysis Module
WS-X6380-NAM no ok(i) login again to see the version:nms-6506a> (enable) sess 4Trying NAM-
4...Connected to NAM-4.Escape character is '^]'.Cisco Network Analysis Module (WS-X6380-
NAM)login: rootPassword: Terminal type: vt100Cisco Network Analysis Module (WS-X6380-NAM)
Console, 3.1(1)Copyright (c) 1999-2003 by cisco Systems, Inc.root@nms-6506a-
nam.123.cisco.com#
```

## 故障排除

目前没有针对此配置的故障排除信息。

## 相关信息

- [Cisco网络分析模块流量分析程序的用户指南, 3.6](#)
- [技术支持和文档 - Cisco Systems](#)