Como atualizar o NAM para a versão 3.x

Contents

Introduction

Este documento fornece um procedimento passo a passo sobre como atualizar o software Network Analysis Module (NAM) para a versão 3.x.

Prerequisites

Requirements

Certifique-se de atender a estes requisitos antes de tentar esta configuração:

- Familiaridade com o FTP
- Familiaridade com a administração do switch Catalyst na linha de comando

Componentes Utilizados

As informações neste documento são baseadas nestas versões de software e hardware:

- WS-X6380 (NAM original)
- Software NAM versão 3.0
- Dispositivos de hardware NAM-1 e NAM-2
- Catalyst 6505 que executa CatOS 7.3.1

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Atualize o software NAM para a versão 3.x

Tarefa

Esta seção apresenta as informações para atualizar o software NAM para a versão 3.x.

Step-by-Step Instructions

Conclua estes passos para atualizar seu software:

1. Faça o download do arquivo:NAM original—Consulte [Download-NAM de Software para Cat 6500 (Prod. Código: WS-X6380-NAM)](#) (somente clientes [registrados](#)) e obtenha o arquivo **c6nam.3-1-1.bin.gz**.NAM1/NAM2—Consulte [Software Download-NAM para Cat 6500 (Prod. Código: WS-SVC-NAMx)](#) (somente clientes [registrados](#)) e obter o arquivo **c6svc-nam.3-1-1.bin.gz**.

2. Coloque o arquivo no diretório raiz da conta no servidor FTP que você pretende usar.**Observação:** esta ilustração usa WS-X6380-NAM, mas se aplica a WS-SVC-NAM-1 e WS-SVC-NAM-2.Este exemplo usa estas informações:O servidor FTP é:Nome: **rtp-sycamore.cisco.com**Endereço: 172.18.123.68A ID da conta é cse.A senha da conta é csec.O diretório raiz do cse é : ~ rtp-sycamore cse %4> **pwd /local/home/cse**.O arquivo está listado ali, portanto: **/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 other 75671244 maio 28 11:17 c6nam.3-1-1.bin.gz

3. Para verificar se o servidor FTP funciona, teste para ver se este servidor FTP está acessível de OUTRA estação de trabalho:**Observação:** o `rtp-cse-205` é usado como exemplo aqui.

   ```
   rtp-cse-205_oansari-> ftp rtp-sycamore
   Connected to rtp-sycamore.cisco.com.
   220 rtp-sycamore FTP server (SunOS 5.7) ready.
   Name (rtp-sycamore:oansari): cse
   331 Password required for cse.
   Password: csecse
   230 User cse logged in.
   Remote system type is UNIX.
   Using binary mode to transfer files.
   ```

4. Ao acessar o servidor FTP, verifique se o arquivo está disponível:

   ```
   ftp> ls c6nam.3-1-1.bin.gz
   227 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.gz
   226 ASCII Transfer complete.
   ```

   Ao verificar se o arquivo está presente e disponível, você aumenta a confiança de que a transferência do arquivo para o NAM será bem-sucedida. Isso confirma que o serviço FTP é executado e que o arquivo necessário está disponível para download para um cliente FTP.

5. Inicie as etapas para atualizar o NAM. Este é um exemplo:Verifique o módulo:

   ```
   nms-6506a> (enable) sh mod
   ...

   Mod Slot Ports Module-Type            Model           Sub Status
   ```

```
--- ---- ----- ------------------------ ------------------ --- --------
1   1    2     1000BaseX Supervisor     WS-X6K-SUP1A-2GE   yes ok
15  1    1     Multilayer Switch Feature WS-F6K-MSFC       no  ok
2   2    0     FlexWAN Module           WS-X6182-2PA       no  power-down

4   4    2     Network Analysis Module  WS-X6380-NAM       no  ok
5   5    8     1000BaseX Ethernet       WS-X6408-GBIC      no  ok
6   6    48    10/100BaseTX Ethernet    WS-X6348-RJ-45     yes ok
```

A saída mostra que o NAM de interesse está localizado no slot 4 e o status está correto.Verifique a versão do switch CatOS:

```
nms-6506a> (enable) sh ver
WS-C6506 Software, Version NmpSW: 7.3(1)
```

Nota: a versão deve ser 7.3(1) ou posterior. Se seu switch não estiver nessa versão, NÃO CONTINUE PARA ATUALIZAR O NAM. PRIMEIRO ATUALIZE O SOFTWARE DO SWITCH.Se a versão indicada for 7.3(1) ou posterior, redefina o NAM:

```
nms-6506a> (enable) reset 4 hdd:2
This command will reset module 4.
Unsaved configuration on module 4 will be lost
Do you want to continue (y/n) [n]? y
Module 4 shut down in progress, do not remove module until shutdown completed.
nms-6506a> (enable)
```

Observação: para NAM1/NAM2, você deve usar estes comandos: **reset <module> cf:1**.Você vê esta saída no terminal:

```
2003 May 28 11:28:36 %SNMP-5-ENTITYMODTRAP:Module 4 status
changed to "unknown(1)"
2003 May 28 11:28:36 %SNMP-5-MODULETRAP:Module 4 [Down] Trap
2003 May 28 11:28:36 %SNMP-5-ENTITYMODTRAP:Module 4 status
changed to "failed(7)"

003 May 28 11:28:50 %SNMP-5-FRUREMOVEDTRAP:module 4 removed
2003 May 28 11:28:50 %SNMP-5-ENTITYTRAP:Entity Mib last change time
483090709 ticks
2003 May 28 11:28:50 %SNMP-5-ENTITYMODTRAP:Module 4 status
changed to "unknown(1)"
2003 May 28 11:29:07 %SNMP-5-ENTITYTRAP:Entity Mib last change time
483092362 ticks
2003 May 28 11:29:07 %SNMP-5-FRUINSERTEDTRAP:module 4 inserted

2003 May 28 11:30:26 %SNMP-5-ENTITYMODTRAP:Module 4 status
changed to "ok(2)"
2003 May 28 11:30:26 %SNMP-5-MODULETRAP:Module 4 [Up] Trap
2003 May 28 11:30:27 %SNMP-5-FRUREMOVEDTRAP:module 4 removed
2003 May 28 11:30:27 %SNMP-5-ENTITYTRAP:Entity Mib last change time
483100353 ticks
2003 May 28 11:30:27 %SNMP-5-FRUINSERTEDTRAP:module 4 inserted
2003 May 28 11:30:27 %SYS-3-MOD_PORTINTFINSYNC:Port Interface in sync
for Module 4
```

Verifique se o NAM reinicializa com êxito:

```
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
!--- Yes, it is up again.
```

Faça uma sessão no NAM e emita o comando **upgrade**:

```
nms-6506a> (enable) sess 4
Trying 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: **root**
```
Password:
```
!--- Enter the password (the default password here is 'cisco'). Network Analysis Module
(WS-X6380-NAM) Console, 1.2(1a)m Copyright (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.gz is downloaded. Upgrading
will wipe out the contents of the application partition on the hard disk. Do you want to
proceed installing it [y|N]: y

Proceeding 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#
```
Volte e reinicie o switch:
```
root@nms-6506a-nam.123.cisco.com#exit

nms-6506a> (enable) reset 4
This command will reset module 4.
Unsaved configuration on module 4 will be lost
Do you want to continue (y/n) [n]? y
Module 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] Trap
2003 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 removed
2003 May 28 12:48:00 %SNMP-5-ENTITYTRAP:Entity Mib last change time
483565551 ticks
2003 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 ticks
2003 May 28 12:48:16 %SNMP-5-FRUINSERTEDTRAP:module 4 inserted

2003 May 28 12:48:00 %SNMP-5-FRUREMOVEDTRAP:module 4 removed
2003 May 28 12:48:00 %SNMP-5-ENTITYTRAP:Entity Mib last change time
483565551 ticks
2003 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 ticks
2003 May 28 12:48:16 %SNMP-5-FRUINSERTEDTRAP:module 4 inserted
```

```
2003 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] Trap
2003 May 28 12:50:22 %SNMP-5-FRUREMOVEDTRAP:module 4 removed
2003 May 28 12:50:22 %SNMP-5-ENTITYTRAP:Entity Mib last change time
483579792 ticks
2003 May 28 12:50:22 %SNMP-5-FRUINSERTEDTRAP:module 4 inserted
2003 May 28 12:50:23 %SYS-3-MOD_PORTINTFINSYNC:Port Interface in sync
for Module 4
```

Finalmente, faça login no NAM novamente:

```
nms-6506a> (enable) sess 4
Trying 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: root
Password:
Terminal type: vt100

Cisco 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. Aguarde até que o NAM seja reinicializado

```
!--- Note: NAM 3.1 takes a little longer to reboot (7-10 minutes). Look for these logs:
2003 May 28 12:55:08 %SNMP-5-ENTITYMODTRAP:Module 4 status changed to "unknown(1)" 2003 May
28 12:55:08 %SNMP-5-MODULETRAP:Module 4 [Down] Trap 2003 May 28 12:55:08 %SNMP-5-
ENTITYMODTRAP:Module 4 status changed to "failed(7)" 2003 May 28 12:55:23 %SNMP-5-
FRUREMOVEDTRAP:module 4 removed 2003 May 28 12:55:23 %SNMP-5-ENTITYTRAP:Entity Mib last
change time 483609821 ticks 2003 May 28 12:55:23 %SNMP-5-ENTITYMODTRAP:Module 4 status
changed to "unknown(1)" 2003 May 28 12:55:39 %SNMP-5-ENTITYTRAP:Entity Mib last change time
483611474 ticks 2003 May 28 12:55:39 %SNMP-5-FRUINSERTEDTRAP:module 4 inserted
```

e finalmente:

```
2003 May 28 12:57:17 %SNMP-5-ENTITYMODTRAP:Module 4 status changed to "ok(2)"
2003 May 28 12:57:17 %SNMP-5-MODULETRAP:Module 4 [Up] Trap
2003 May 28 12:57:18 %SNMP-5-FRUREMOVEDTRAP:module 4 removed
2003 May 28 12:57:18 %SNMP-5-ENTITYTRAP:Entity Mib last change time 483621409 ticks
2003 May 28 12:57:18 %SNMP-5-FRUINSERTEDTRAP:module 4 inserted
2003 May 28 12:57:18 %SYS-3-MOD_PORTINTFINSYNC:Port Interface in sync for Module 4
```

Verificar

Use esta seção para confirmar se a sua configuração funciona corretamente.

A [Output Interpreter Tool (somente clientes registrados) (OIT) oferece suporte a determinados comandos show.](#) Use a OIT para exibir uma análise da saída do comando show.

- 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 4
Trying NAM-4...
Connected to NAM-4.
Escape character is '^]'.

Cisco Network Analysis Module (WS-X6380-NAM)

login: root
Password:
Terminal type: vt100

Cisco 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#
```

Troubleshoot

Atualmente, não existem informações disponíveis específicas sobre Troubleshooting para esta configuração.

Informações Relacionadas

- Guia do usuário do Cisco Network Analysis Module Traffic Analyzer, 3.6
- Suporte Técnico e Documentação - Cisco Systems