

# 在硬體型號上重新安裝安全網路分析作業系統

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## 簡介

本檔案介紹在UCS硬體模型上遠端重新安裝Cisco安全網路分析(SNA)軟體的程式。

## 必要條件

### 需求

思科建議您瞭解以下主題：

- Cisco安全網路分析
- 思科整合式管理控制器(CIMC)

### 採用元件

本檔案中的資訊是根據以下元件：

- 思科流量感應器4240 ( M5硬體 )
- CIMC版本4.1(1d)

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除 ( 預設 ) 的組態來啟動。如果您的網路運作中，請確保您瞭解任何指令可能造成的影響。

## 程式

建議的程式是從CIMC通過基於核心的虛擬機器(KVM)控制檯遠端重新安裝SNA作業系統(OS)。要完成此操作，請按照以下步驟操作：

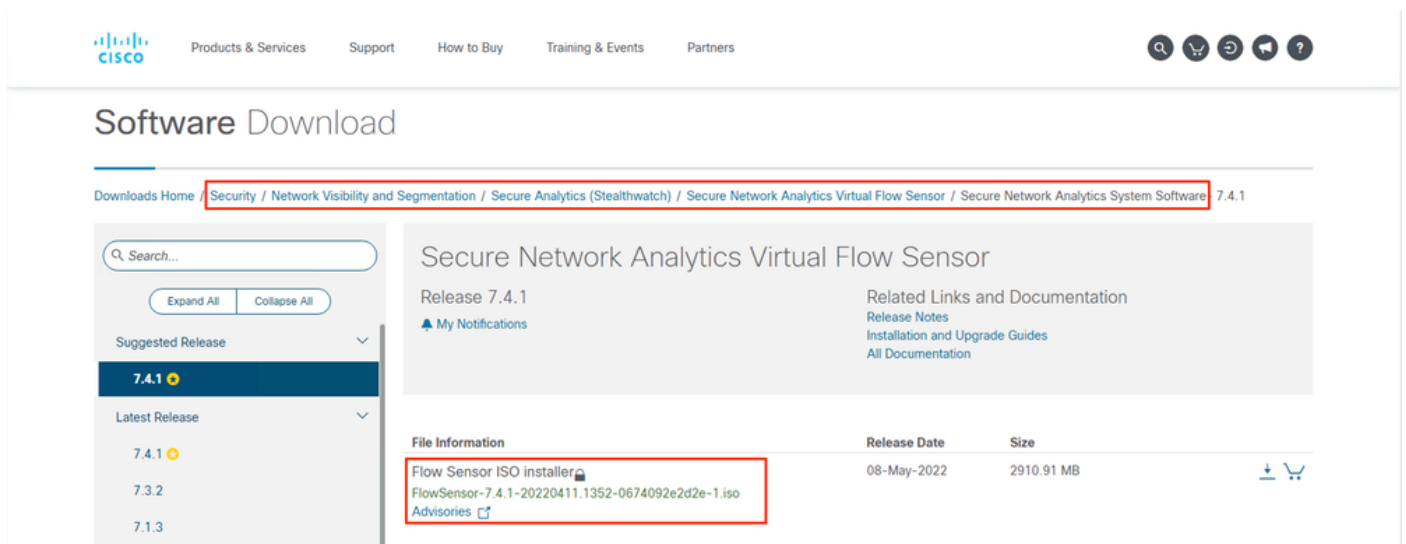
### 步驟1.下載ISO檔案

重新安裝SNA作業系統需要適用裝置型號的ISO檔案。要下載所需的ISO檔案：

1. 訪問思科軟體中心, <https://software.cisco.com>。
2. 在「Download and Upgrade」部分, 選擇「Software Download」。
3. 在「選擇產品」欄位中鍵入Secure Network Analytics。按Enter鍵。
4. 選擇適用的**虛擬裝置型號**。

**附註：**ISO檔案僅位於裝置的**虛擬版本**中。例如, 如果需要重新安裝流量收集器4210裝置的SNA作業系統, 必須選擇**虛擬流量收集器**。

5. 在**選擇軟體型別**下, 選擇Secure Network Analytics System Software, 然後選擇所需的**軟體版本**。
6. 找到**虛擬裝置型號**所需的ISO檔案。



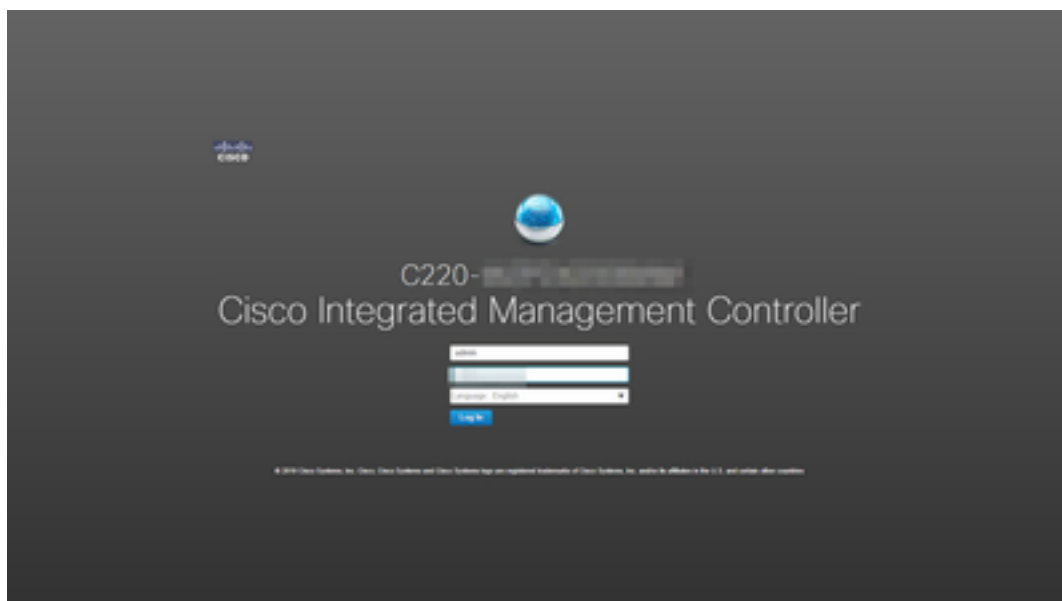
The screenshot shows the Cisco Software Download page for Secure Network Analytics Virtual Flow Sensor 7.4.1. The breadcrumb trail is: Downloads Home / Security / Network Visibility and Segmentation / Secure Analytics (Stealthwatch) / Secure Network Analytics Virtual Flow Sensor / Secure Network Analytics System Software 7.4.1. The page title is 'Secure Network Analytics Virtual Flow Sensor Release 7.4.1'. There are links for 'My Notifications', 'Release Notes', 'Installation and Upgrade Guides', and 'All Documentation'. A table of file information is shown below:

File Information	Release Date	Size
Flow Sensor ISO installer	08-May-2022	2910.91 MB
FlowSensor-7.4.1-20220411.1352-0674092e2d2e-1.iso		
Advisories		

7. 下載檔案。

## 步驟2. 從KVM控制檯安裝映像

1. 登入CIMC。



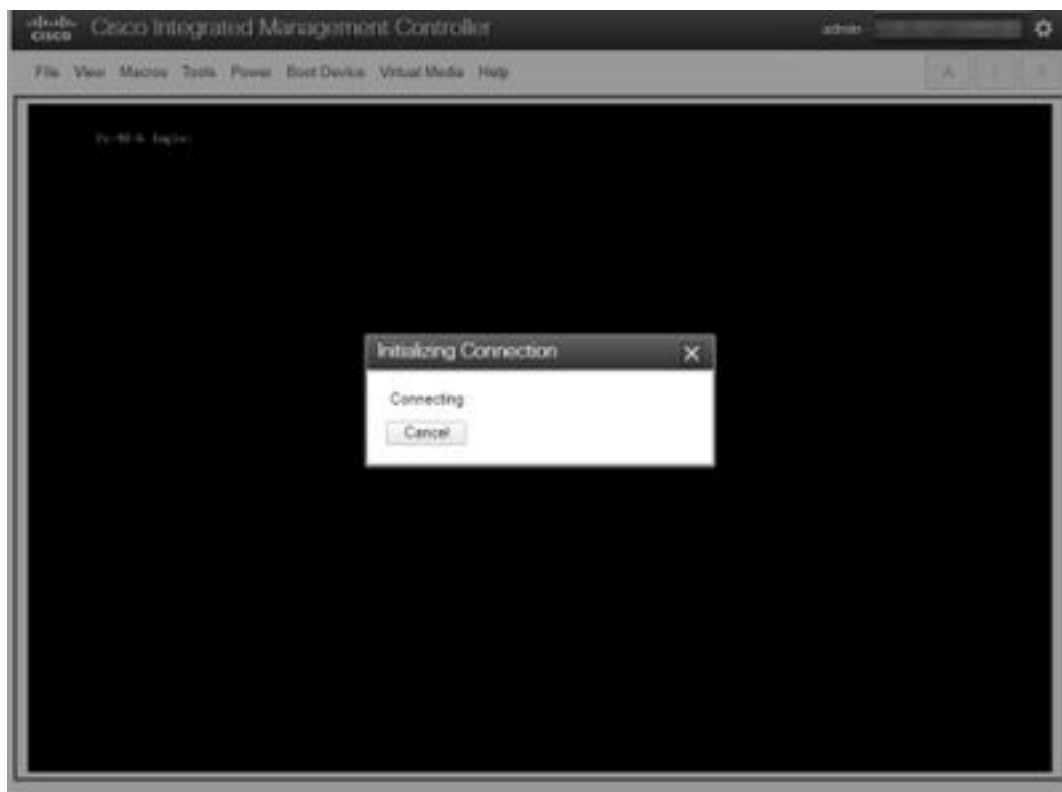
2. 按一下螢幕右上角的**Launch KVM**。



3. KVM控制檯啟動後，選擇Virtual Media > Activate Virtual Devices。



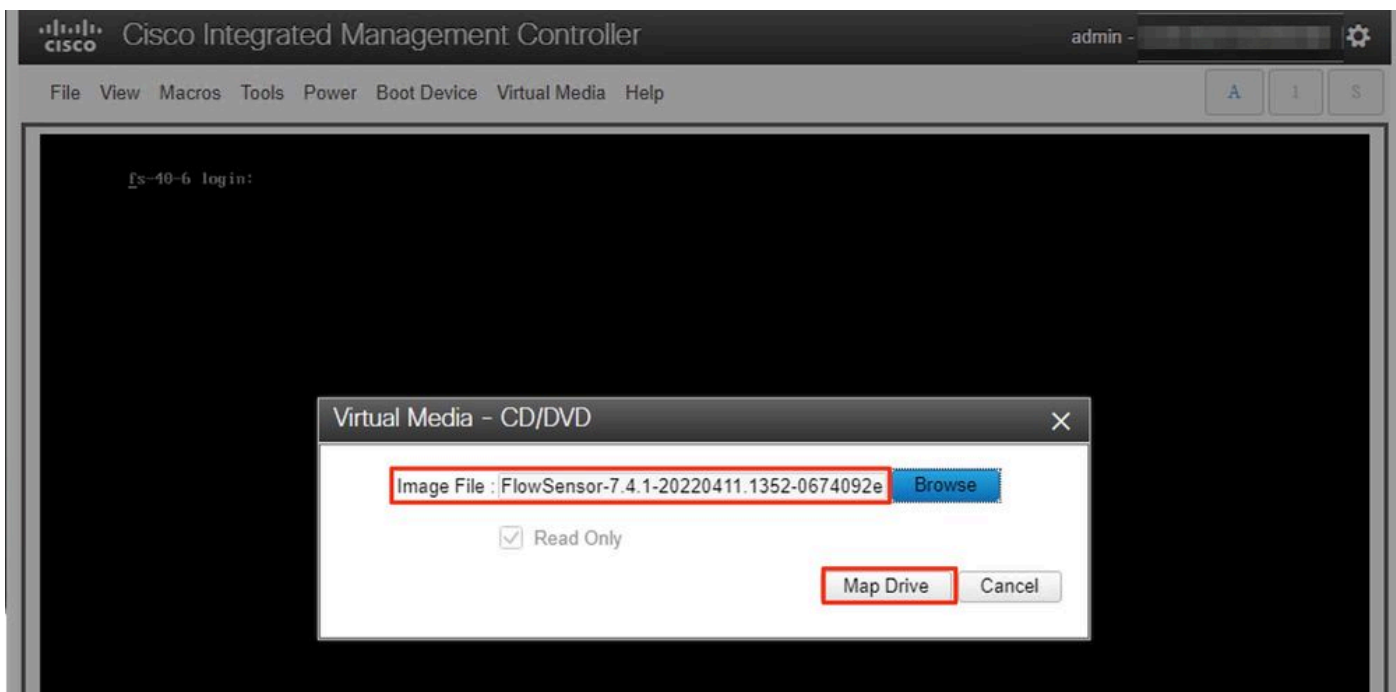
4. 等待建立連線。



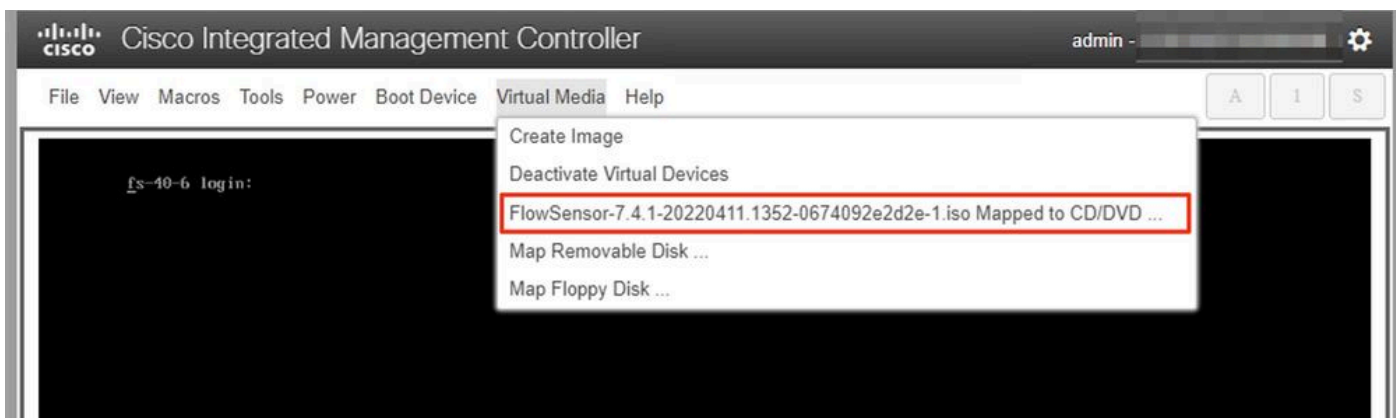
5. 按一下Virtual Media > Map CD/DVD。



6. 瀏覽步驟1中下載的ISO檔案，然後按一下Map Drive。



7. 按一下Virtual Media，確認正確的檔案已對映到CD/DVD驅動器。



8. 選擇Power > Reset System(Warm Boot)以開始重新啟動過程。

9. 系統詢問時，按F6鍵進入「Boot Menu ( 啟動選單 )」。



```
-- Scanning for Cisco StealthWatch Install ISO or CD/DVD/USB --  
-- A Cisco StealthWatch Install ISO or CD/DVD/USB was found in device sr0 --  
Installer for StealthWatch Found, Proceeding  
-- Start - Stage Initialization --  
-- Start - Stage Initialization --  
Installer Version: 1.0.0  
Capabilities: SECUREBOOT,UEFI,BIOS  
-- Installing System -- Stage 0 --  
-- Cleaning the Drive -- Stage 1 --  
  0 logical volume(s) in volume group "vg_lancope" now active  
/dev/sda: 8 bytes were erased at offset 0x00000200 (gpt): 45 46 49 20 50 41 52 54  
/dev/sda: 8 bytes were erased at offset 0x22ddc7ffe00 (gpt): 45 46 49 20 50 41 52 54  
/dev/sda: 2 bytes were erased at offset 0x000001fe (PMBR): 55 aa  
-- Cleaning Grub -- Stage 2 --  
1+0 records in  
1+0 records out  
2048 bytes (2.0KB) copied, 0.000310 seconds, 6.3MB/s  
Creating new GPT entries.  
GPT data structures destroyed! You may now partition the disk using fdisk or  
other utilities.  
The operation has completed successfully.  
-- Partitioning Drives -- Stage 3 --  
The operation has completed successfully.  
-- Formatting EFI Partition --  
mkfs.fat 3.0.28 (2015-05-16)  
  Physical volume "/dev/sda4" successfully created.  
  Volume group "vg_lancope" successfully created  
  0 logical volume(s) in volume group "vg_lancope" now active  
--
```

12. 等待作業系統安裝完成。

```
Cisco Integrated Management Controller admin - [Progress Bar] [Settings]
File View Macros Tools Power Boot Device Virtual Media Help [A] [I] [S]

-- Formatting Secondary Partition --
mke2fs 1.43.1 (00-Jun-2016)
/dev/sda2 contains a ext3 file system labelled 'active'
    last mounted on / on Thu Aug 11 22:28:05 2022
Creating filesystem with 5120000 4k blocks and 1281120 inodes
Filesystem UUID: ed4bf87f-19c1-4498-975e-b4060b0cf578
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632, 2654200,
    4096000

Allocating group tables: done
Writing inode tables: done
Creating journal (32768 blocks): done
Writing superblocks and filesystem accounting information: done

-- Formatting Swap Partition --
mkswap: /dev/sda3: warning: wiping old swap signature.
Setting up swapon version 1, size = 1.5 GiB (1614802944 bytes)
no label, UUID=f07989e7-1e65-46b6-9116-960c81a91178
-- Formatting Data Partition --
mke2fs 1.43.1 (00-Jun-2016)
Creating filesystem with 574206976 4k blocks and 143556608 inodes
Filesystem UUID: e8577c57-f056-4dfe-8eeb-d4bf5cffb54d
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632, 2654200,
    4096000, 7962624, 11239424, 20480000, 23007072, 71663616, 70675960,
    102400000, 214990048, 512000000, 558731776

Allocating group tables: done
Writing inode tables: done
Creating journal (32768 blocks): done
Writing superblocks and filesystem accounting information: done

-- Mounting Partitions - Stage 4 --
  1 logical volume(s) in volume group "vg_lancope" now active
-- Extracting root image onto partitions - Stage 5 --
152MiB 0:02:32 [ 837KiB/s] [=> | 5% ETA 0:41:44
```

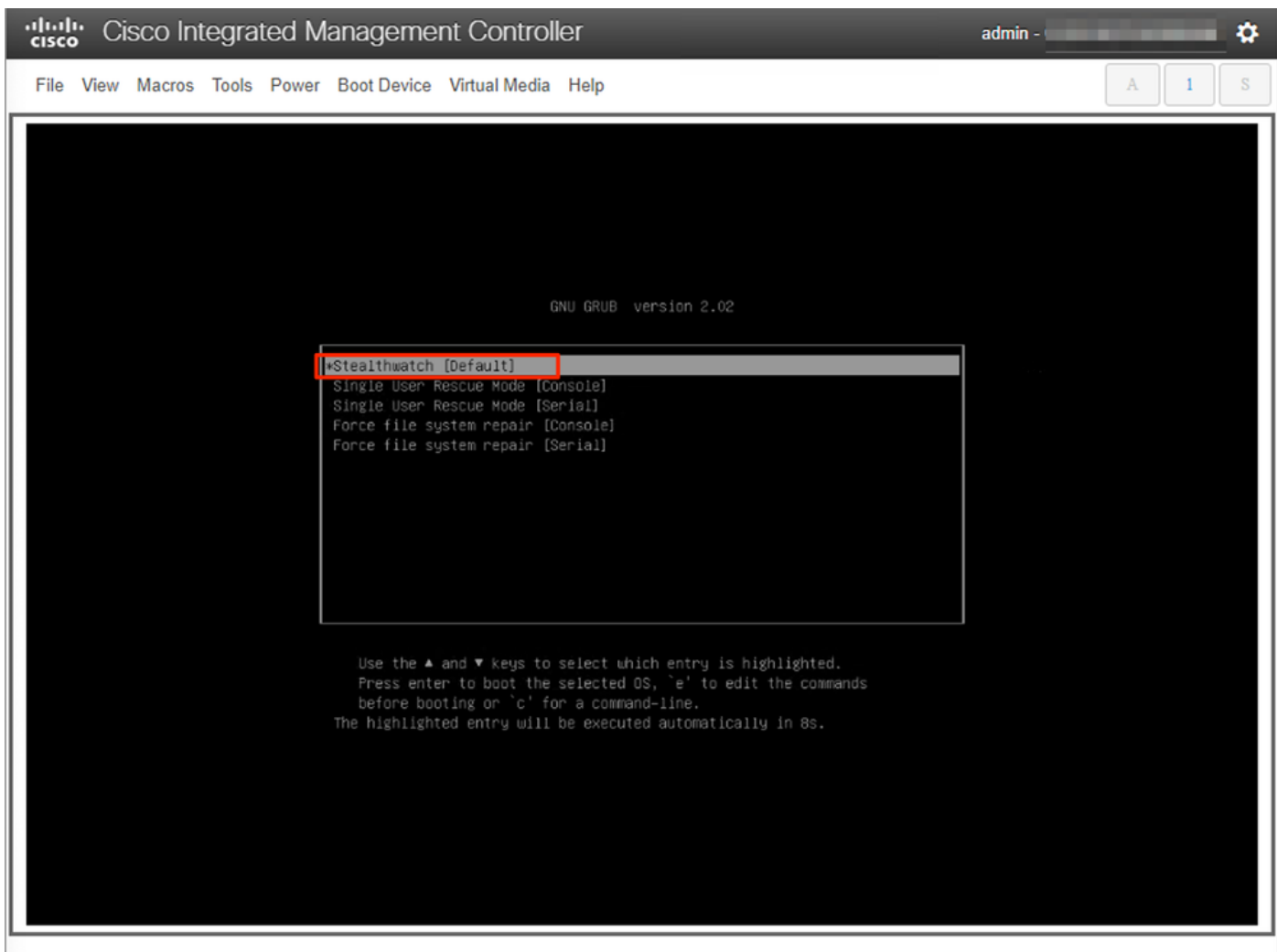
13.成功安裝作業系統後，裝置將重新啟動。

```
Cisco Integrated Management Controller admin - [A] [I] [S]
File View Macros Tools Power Boot Device Virtual Media Help

-- Mounting Partitions - Stage 4 --
  1 logical volume(s) in volume group "vg_lancope" now active
-- Extracting root Image onto partitions - Stage 5 --
2.60GiB 0:44:40 [1015KiB/s] [=====>] 100%
-- Extracting lvar Image onto partitions - Stage 6 --
5.09KiB 0:00:00 [ 705KiB/s] [=====>] 100%
-- PreStaging Directories - Stage 7 --
-- Resetting permissions - Stage 8 --
-- Archive RFD Images - Stage 9 --
-- Configuring Your System - Stage 10 --
Fix for ModelType Not available on initial if Applicable
-- Setting up Grub - Stage 11 --
-- Writing out to grub - Stage 12 --
-- Cleaning EFI boot device 0000 --
-- Adding EFI boot menu for StealthWatch --
BootCurrent: 0000
Timeout: 3 seconds
BootOrder: 0000,0009,000A
Boot0009* UEFI: Built-in EFI Shell
Boot000A* UEFI: Cisco vKVM-Mapped vDVD1.24
Boot0000* StealthWatch
-- Updating Grub with UNIFIED Boot Parameters - Stage 13 --
-- Setting Box to Process RFD on First Boot - Stage 14 --
-- Gathering Installed Details - Stage 14b --
-----
Installed Product Type : FlowSensor
Installed Product Version : 7.4.1
Installed Product Build : 20220411.1352-0674092e2d2e-1
-----
-- Unmounting Partitions - Stage 15 --
-- Rebooting - Stage 16 --
-- Finished - Stage Complete --
The system is going down NOW!
Sent SIGTERM to all processes
Sent SIGKILL to all processes
Requesting system reboot
-
```

14.使用Stealthwatch(SNA)OS開機。





此時，重新安裝過程已完成。

## 驗證

如果重新安裝過程成功，則裝置啟動後，必須提示您輸入登入螢幕。



## 相關資訊

- 如需其他協助，請聯絡技術協助中心(TAC)。需要有效的支援合約：[思科全球支援聯絡人](#)。
- 您還可以在此處訪問思科安全分析[社群](#)。
- [技術支援與文件 - Cisco Systems](#)

## 關於此翻譯

思科已使用電腦和人工技術翻譯本文件，讓全世界的使用者能夠以自己的語言理解支援內容。請注意，即使是最佳機器翻譯，也不如專業譯者翻譯的內容準確。Cisco Systems, Inc. 對這些翻譯的準確度概不負責，並建議一律查看原始英文文件（提供連結）。