建立和還原思科安全管理器備份

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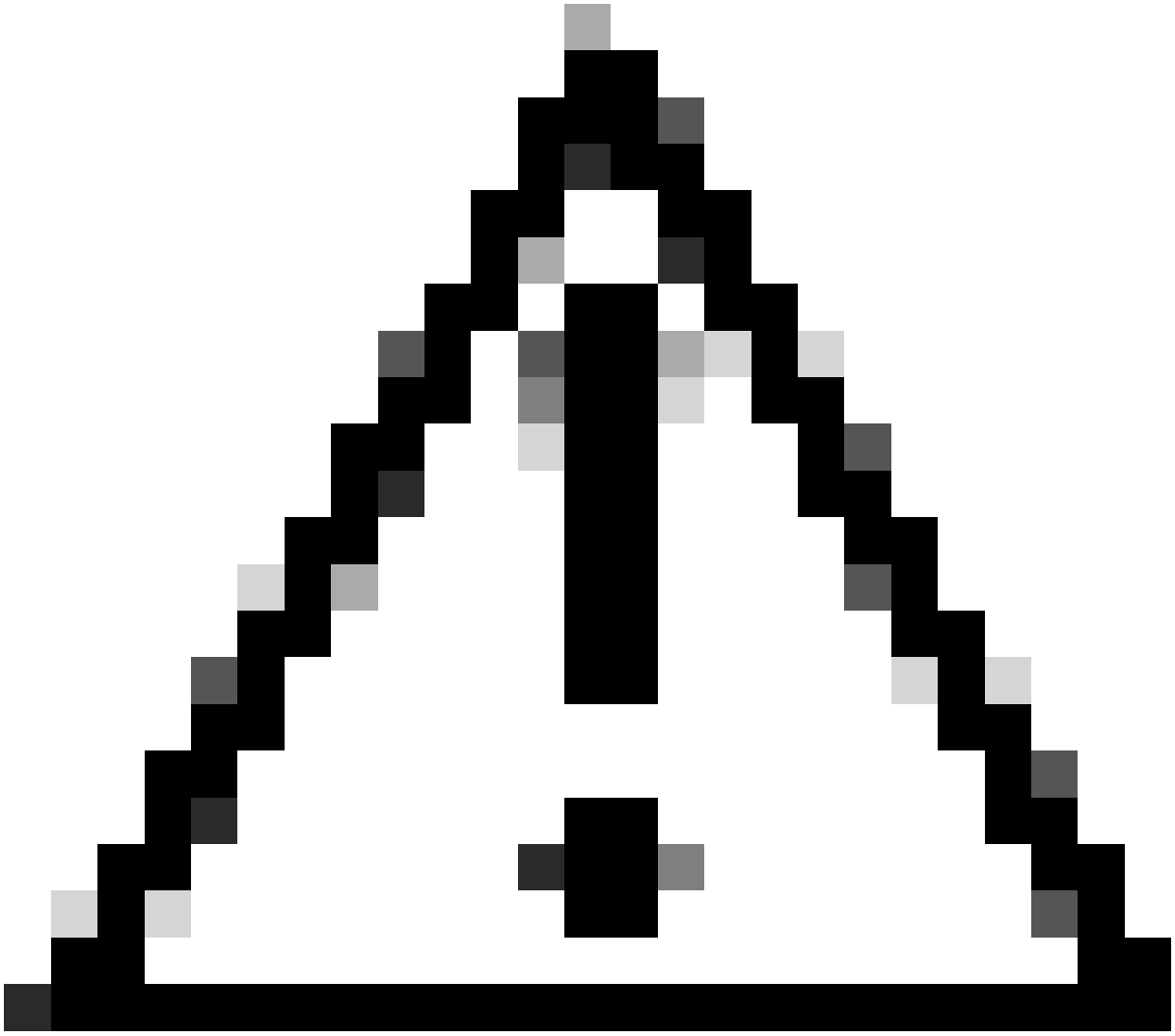
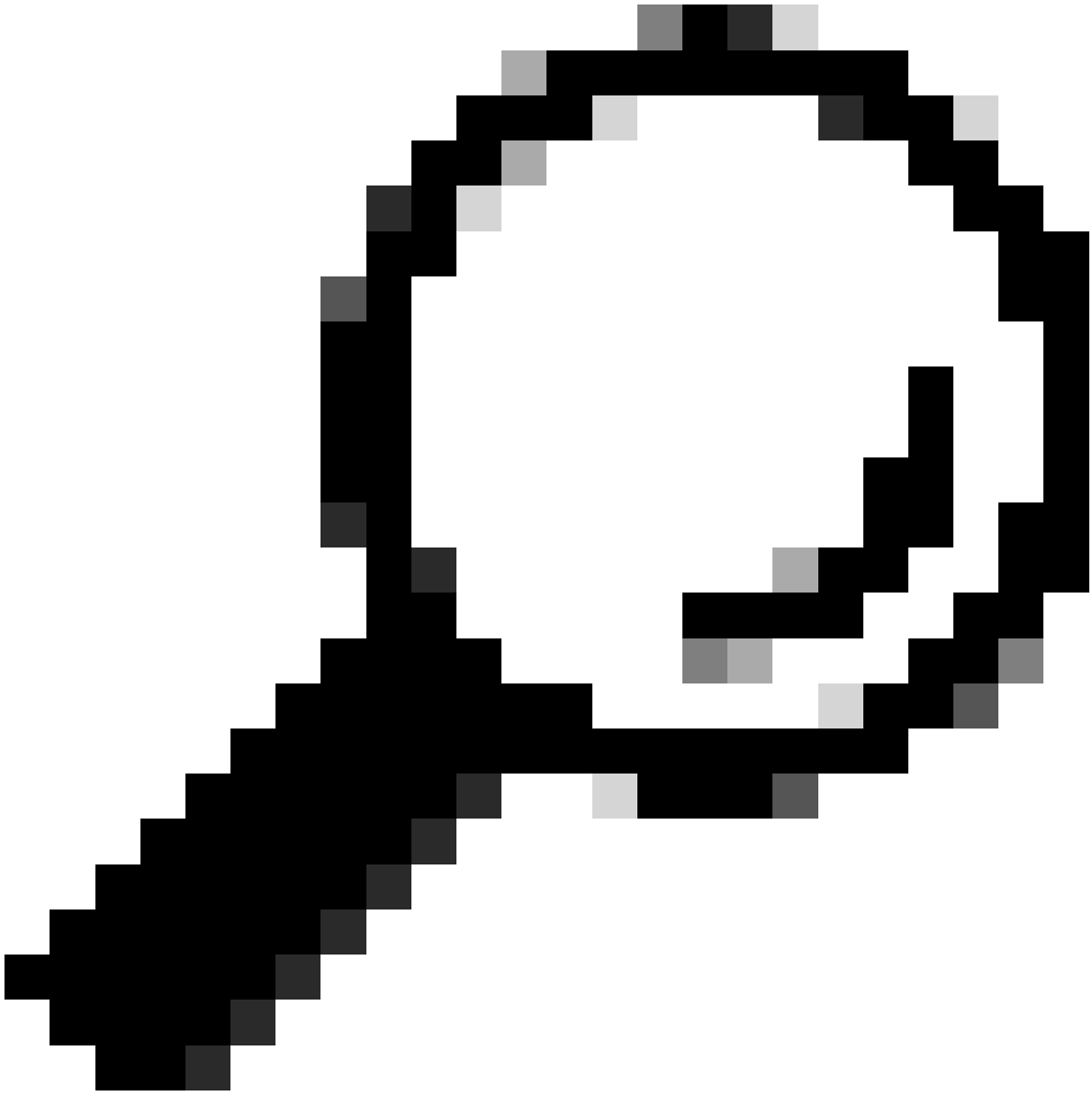
簡介

本檔案介紹建立Cisco Security Manager (CSM)備份檔案的程式，以及如何在CSM伺服器上還原該檔案。

必要條件



注意：執行CSM資料庫備份時，事件管理器服務使用的事件資料不包括在內。



提示：如果需要從完整的備份檔案中排除報告資料庫，則必須將名為SKIP_RPT_DB_BACKUP的屬性下的backup.properties檔案更改為YES。

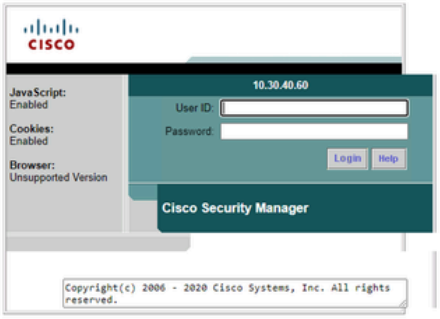
執行備份或還原活動時，會關閉並重新啟動Common Services和Security Manager程式。

在GUI上的CSM伺服器上建立備份

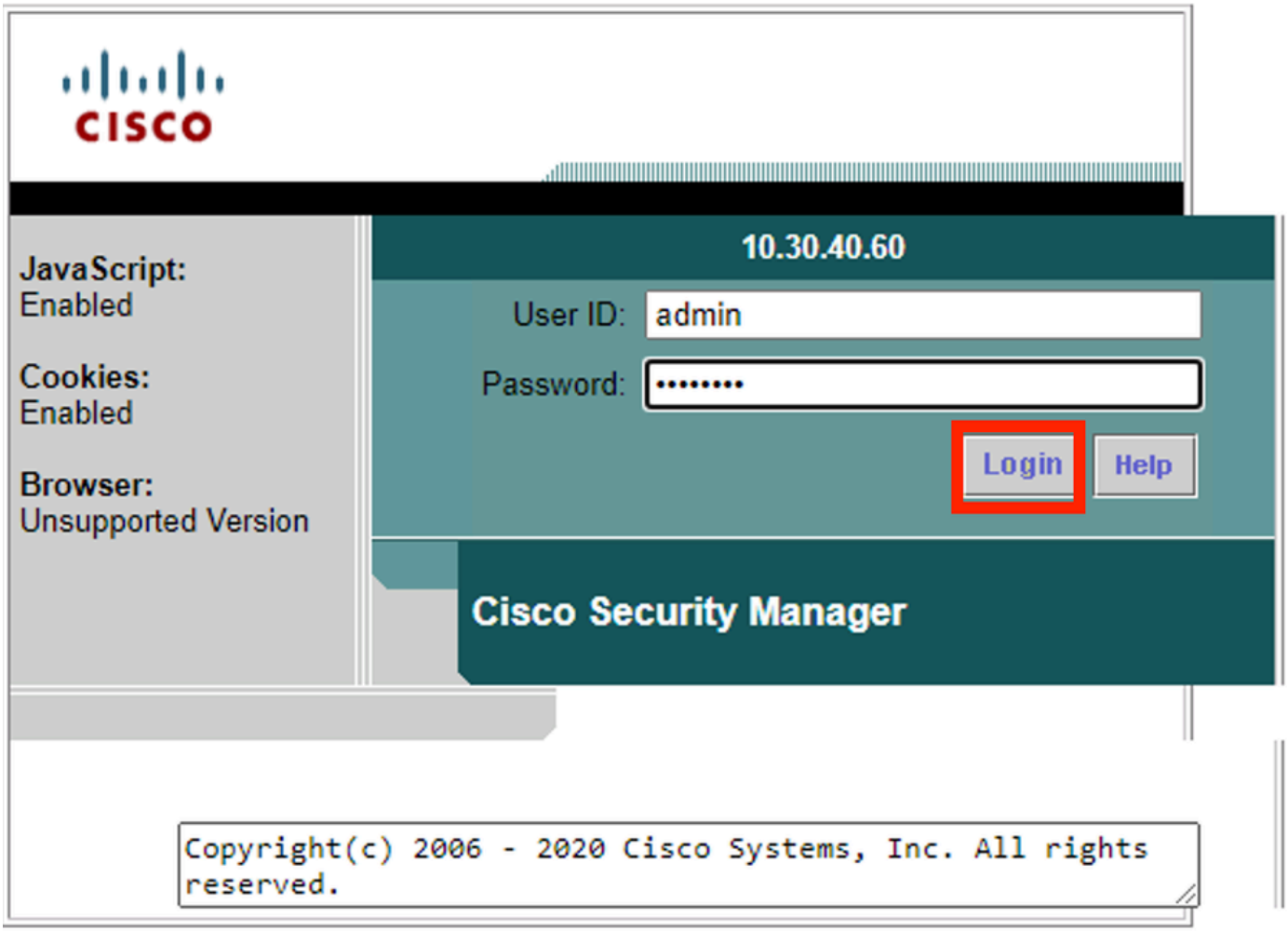
以下步驟說明如何透過圖形使用者介面為CSM伺服器建立備份：

步驟1.打開Web瀏覽器並輸入CSM伺服器的IP地址：

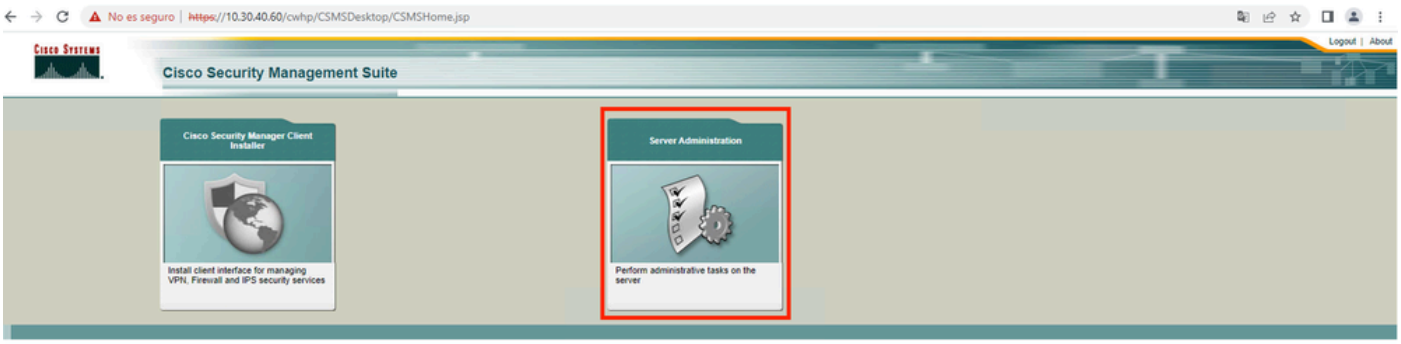
```
https://IP_Address_of_CSM_Server_Here
```

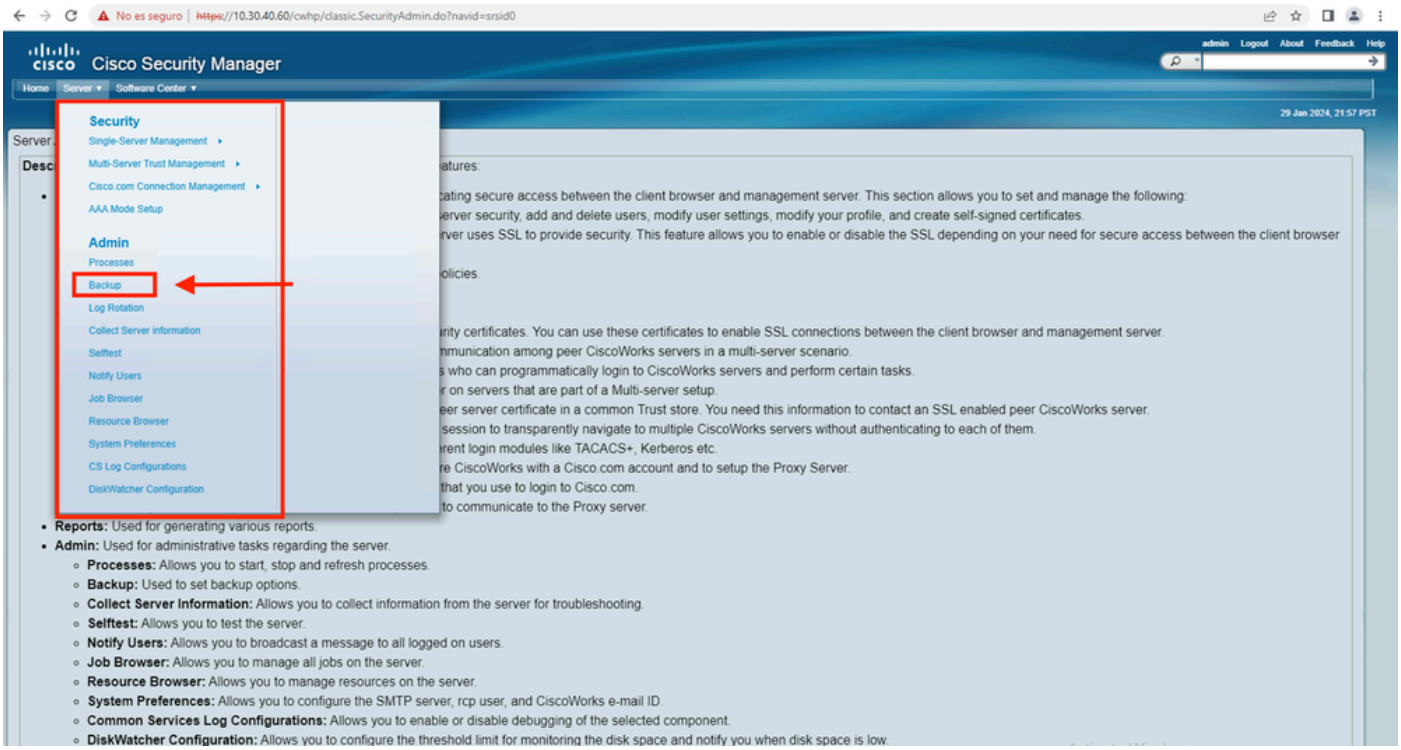


第2步：輸入用於訪問CSM Administration的憑證，然後按一下login按鈕。

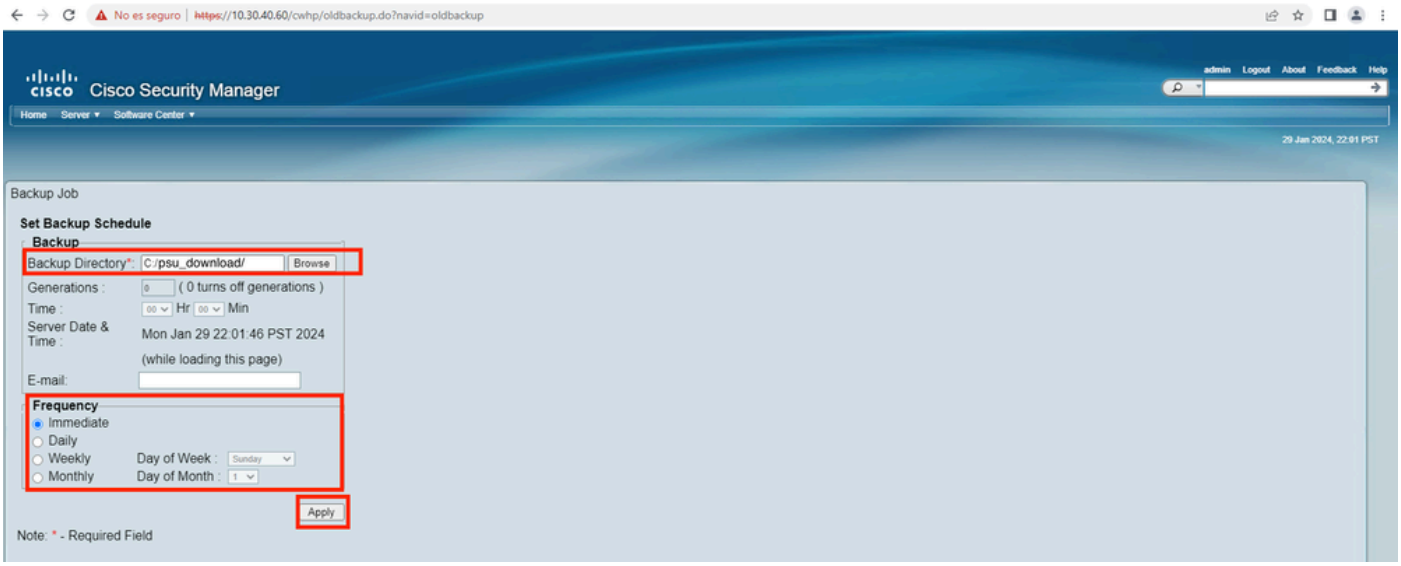


第3步：導航到伺服器管理>伺服器>備份。

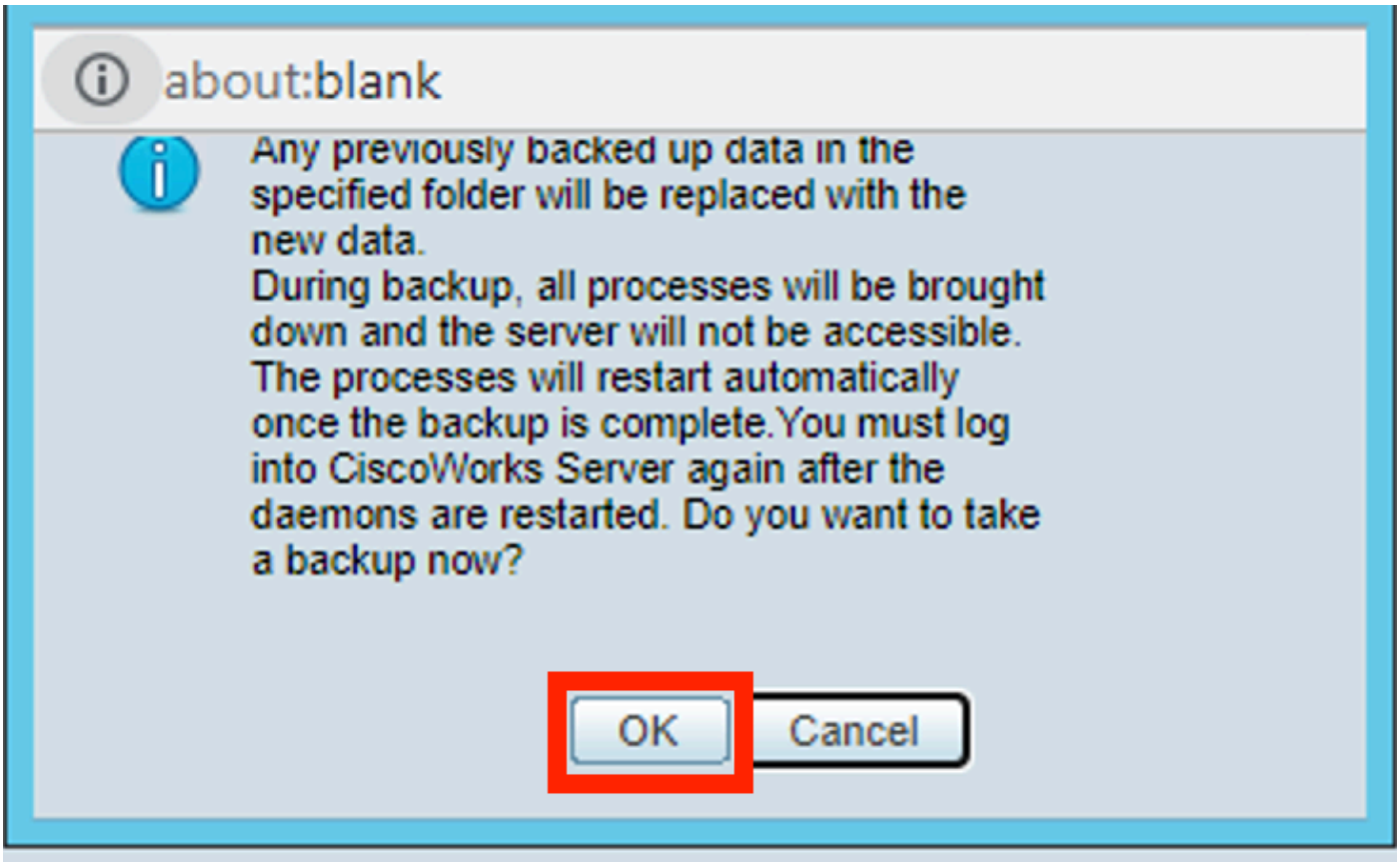




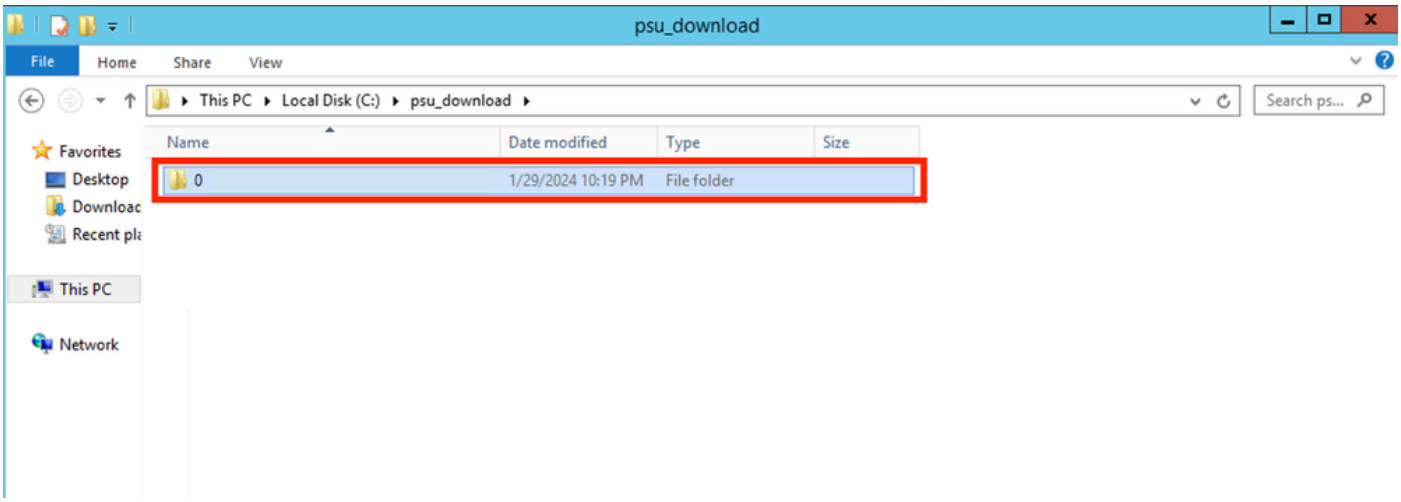
步驟4.選擇要儲存的備份的目錄，然後選擇備份的頻率，最後按一下Apply。

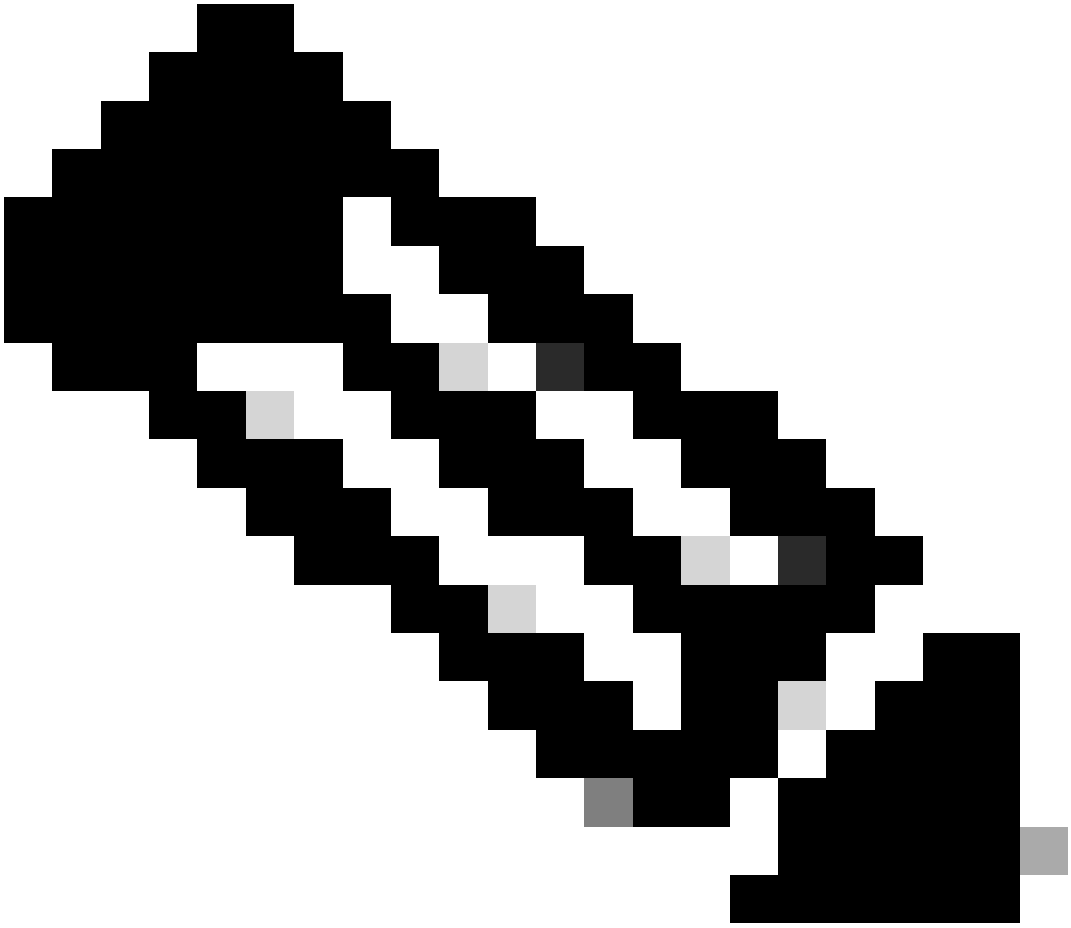


步驟5.系統將顯示一個彈出窗口，詢問您是否要立即進行備份。按一下「OK」（確定）。



步驟6.完成備份後，轉至您在步驟4中定義的資料夾，並驗證備份檔案是否在該資料夾中。建立的備份資料夾的預設名稱為0。





附註：在資料夾0內，有三個子資料夾：

-CMF

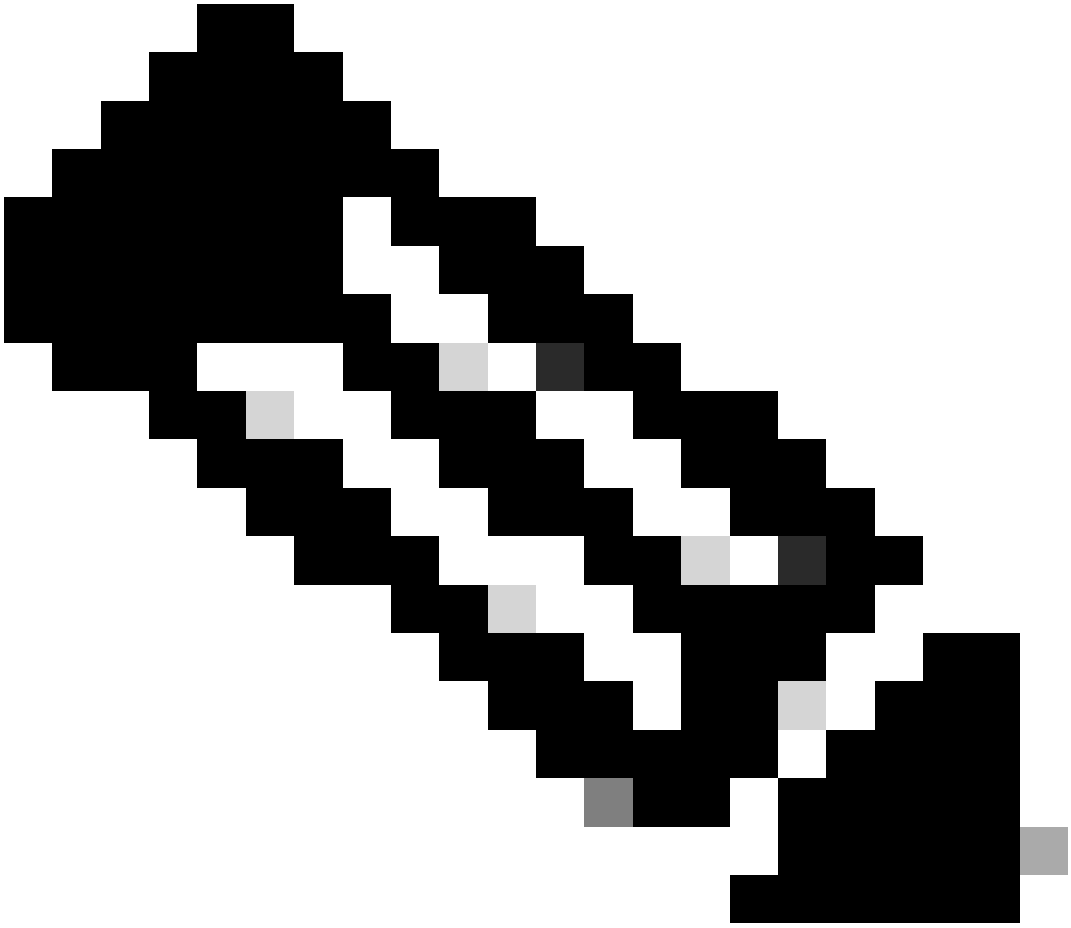
-RPT

-VMS（此資料夾包含CSM資料庫資訊）

備份的總大小取決於CSM所管理的配置和裝置數量。

在CLI上的CSM伺服器上建立備份

以下步驟說明如何透過命令列介面(CLI)備份CSM伺服器：



注意：後續步驟假設預設安裝資料夾為：

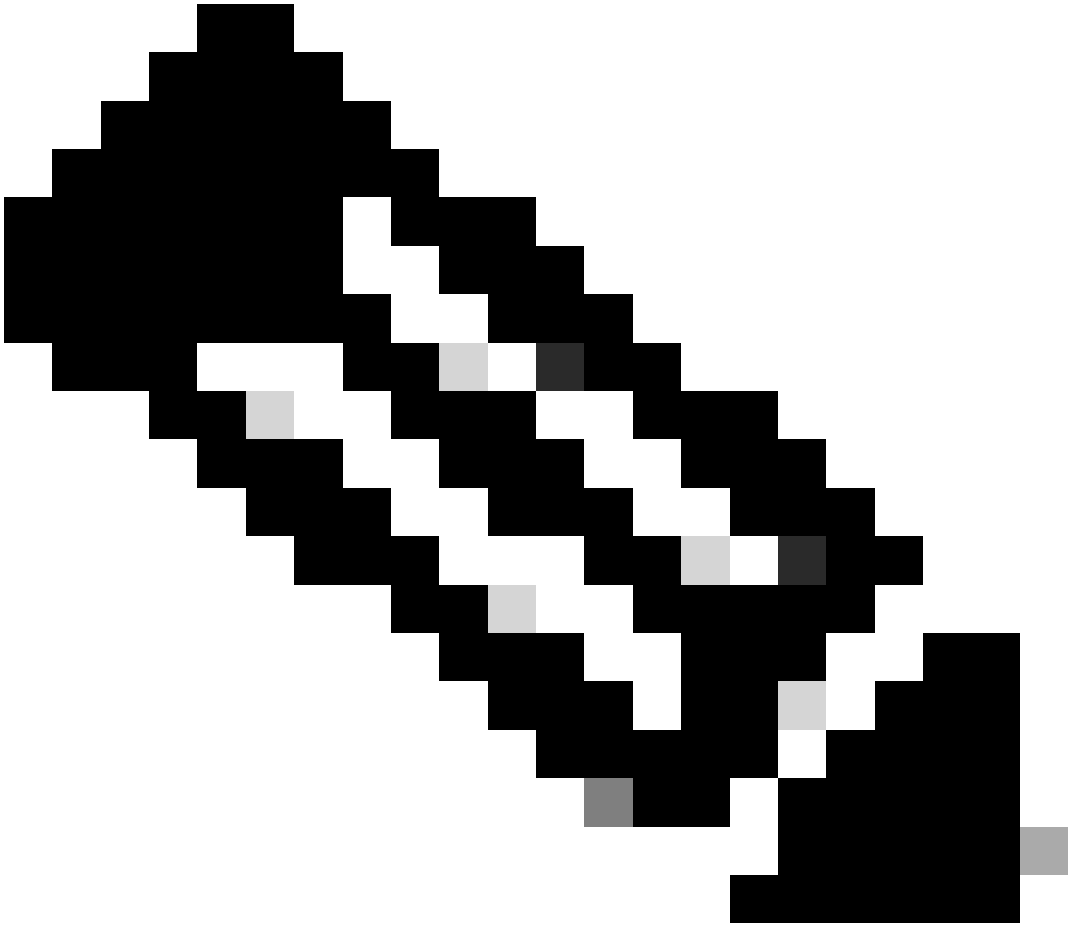
C:\Program檔案(x86)\CSCOpx\

步驟1.在Windows上打開命令列，然後輸入以下命令開始備份CSM任務：

<#root>

C:\PROGRA~2\CSCOpx\bin\perl C:\PROGRA~2\CSCOpx\bin\backup.pl C:\psu_download 0 compress

```
PS C:\Program Files (x86)\CSCOpx\bin> C:\PROGRA~2\CSCOpx\bin\perl C:\PROGRA~2\CSCOpx\bin\backup.pl C:\psu_download 0 compress
**********Executing log clean process----------
PURGE_DBBACKUP_LOG days----------20
The file or directory you are searching does exist : true
Purge Db Backup log Success
```



附註：

該命令上的compress引數是可選的，有助於壓縮備份檔案。

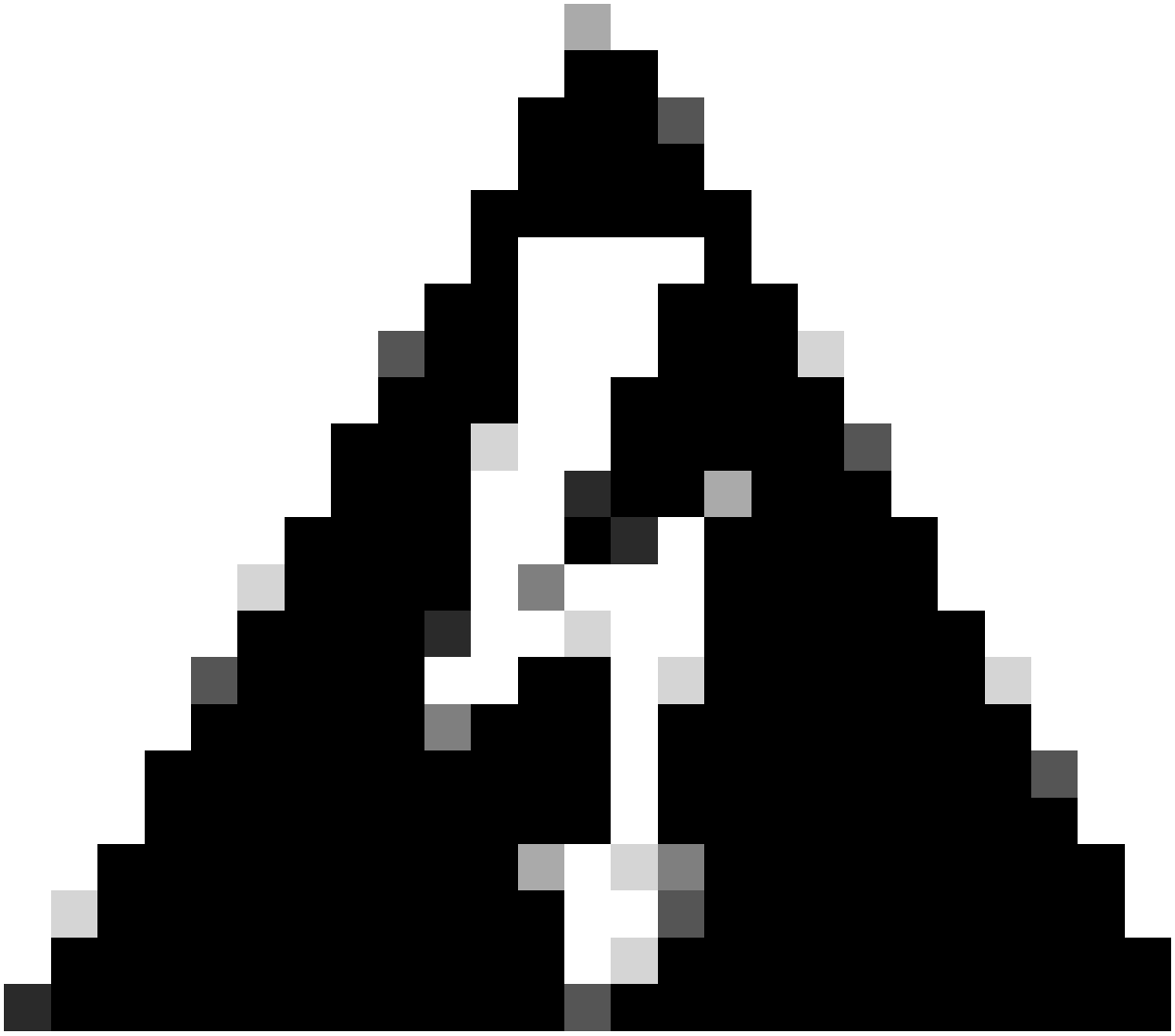
此外，還有兩個其他可選引數：

email =email_address。- 如果要接收通知，請指定電子郵件地址。但是請記住，您必須在CiscoWorks公共服務中配置SMTP設定才能接收這些通知。

log_filename。-如果您要驗證備份期間生成的日誌消息以進行故障排除，這非常重要。

備份命令上這些引數的順序為：

```
[path ]perl [path ]backup.pl backup_directory [log_filename [email=email_address [number_of_gener
```



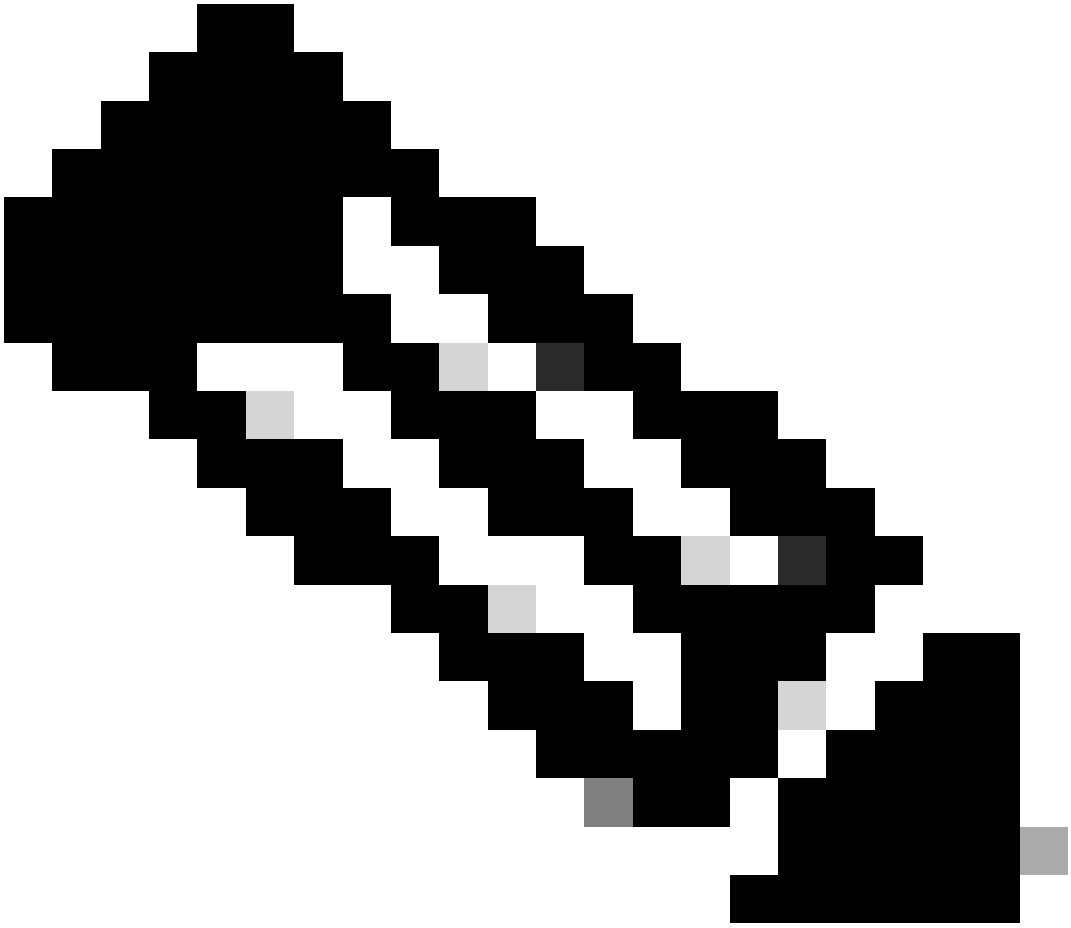
警告：

如果備份包含任何暫掛資料（即尚未提交到資料庫的資料），則無法從早期版本的Security Manager恢復備份。在升級到新版本的思科安全管理器之前，建議您提交或放棄所有未提交的更改，然後建立資料庫的備份。

步驟2.確認檔案是在先前設定的目的地資料夾中產生的。

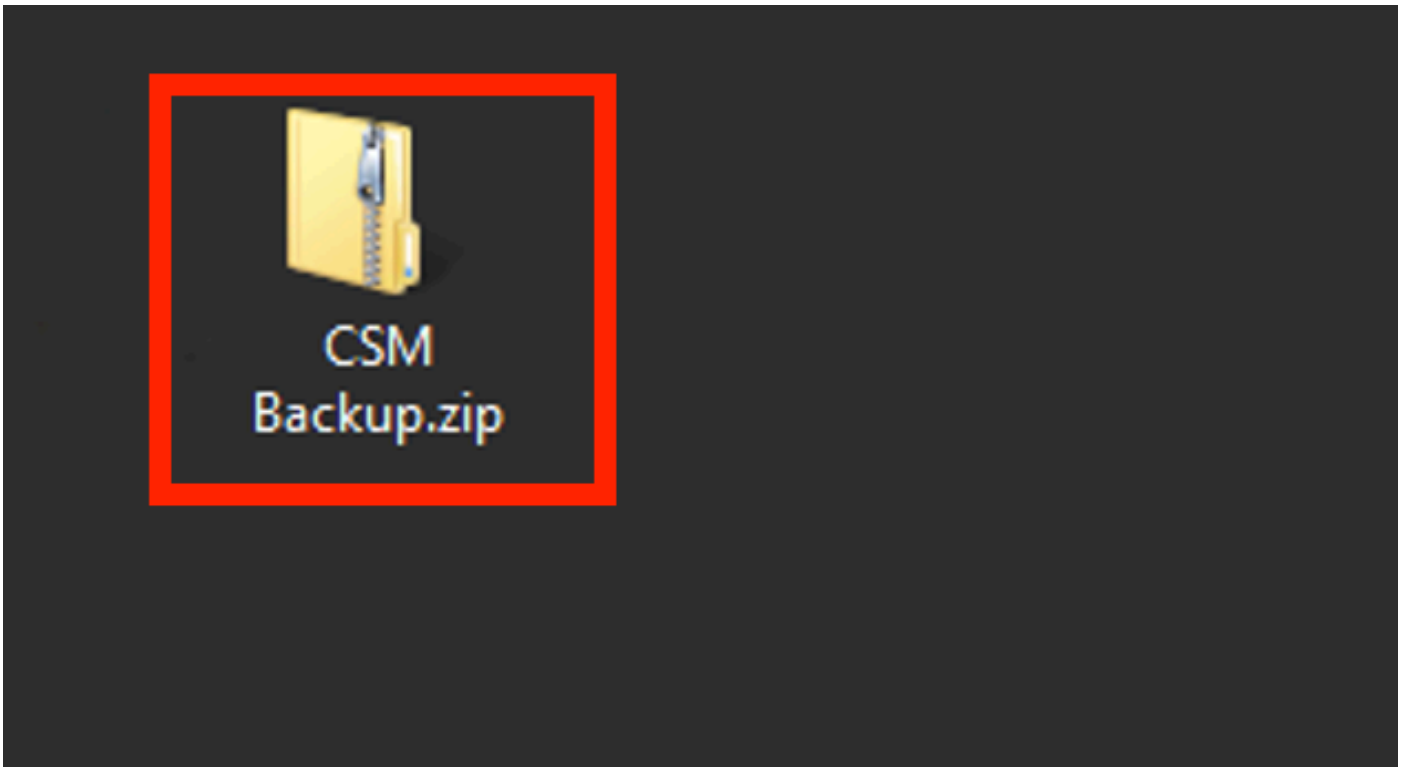
在CSM伺服器上恢復備份

以下步驟說明如何透過CLI恢復CSM備份：



注意：有一個指令碼可幫助從CLI恢復CSM資料庫備份。以下步驟說明了如何使用它。

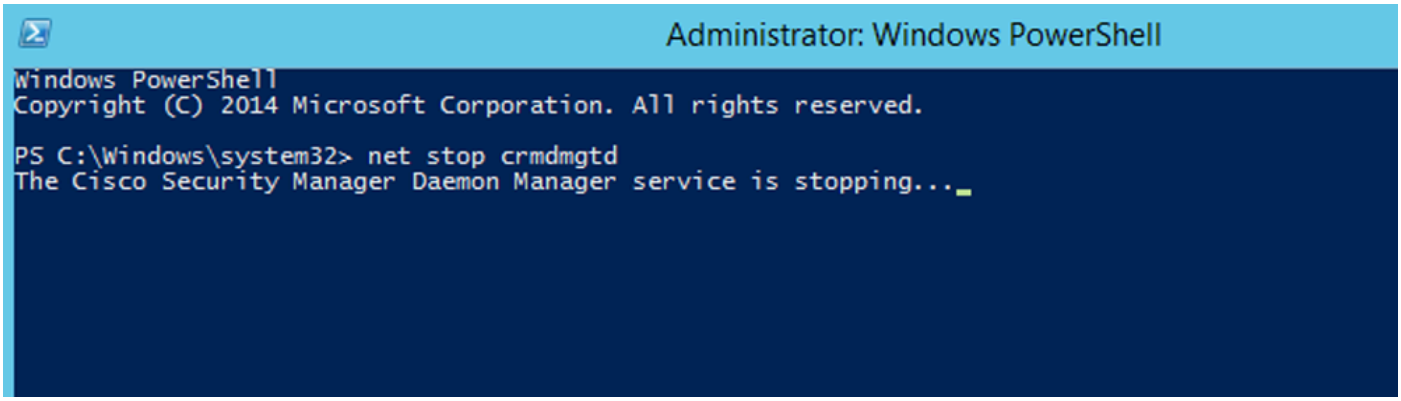
步驟1.在開始恢復之前，確保CSM伺服器上已存在正確的備份檔案。



步驟2.在Windows Server上打開命令列，然後輸入以下命令停止CSM進程：

<#root>

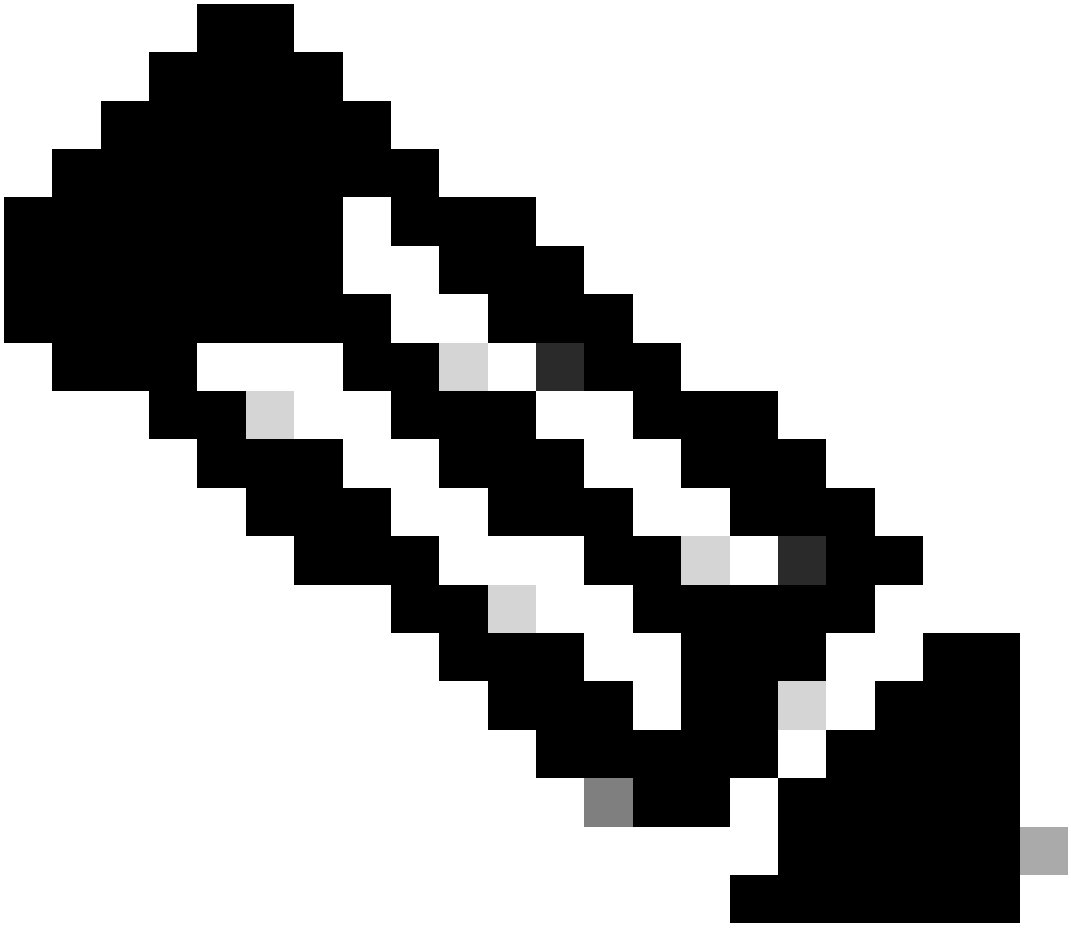
net stop crmdmgtd



步驟3.在CLI上使用以下命令還原以前的備份檔案：

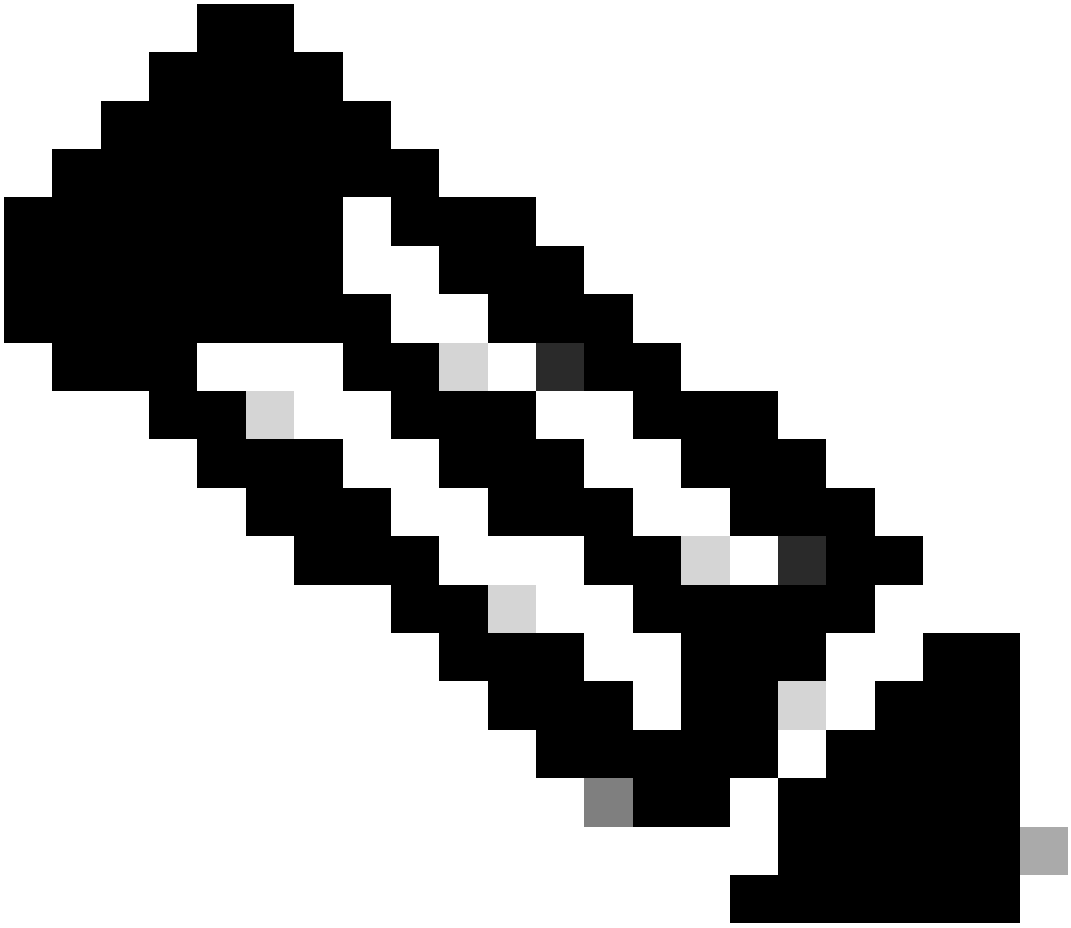
<#root>

C:\PROGRA~2\CSCOpx\bin\perl C:\PROGRA~2\CSCOpx\bin\restorebackup.pl -d C:\8



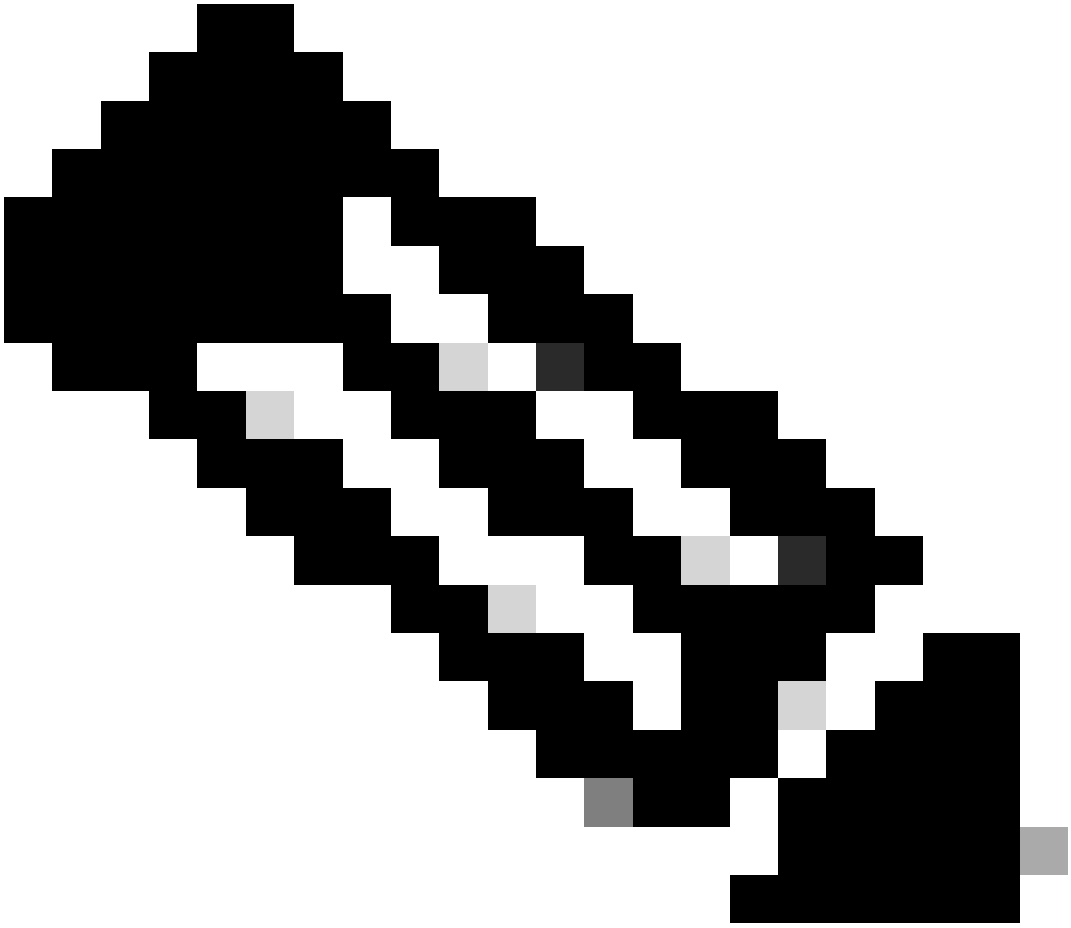
注意：此命令包含perl.exe和restorebackup.pl檔案的路徑，並且示例中要儲存備份的目錄也為C:\8。

```
PS C:\Program Files (x86)\CSCOpx\bin> C:\PROGRA~2\CSCOpx\bin\perl C:\PROGRA~2\CSCOpx\bin\restorebackup.pl -d C:\8
 Email :
********************************************************************************

Restore started at : 2024/01/09 17:13:17
Please see 'C:\PROGRA~2\CSCOpx\log\restorebackup.log' for status.



     USER ID is ..................................... : tac
     OS of the backup archive is..................... : Windows
     Generation to be restored is ................... : .
     Backup taken from............................... : C:\8
     Common Services version in the backup data is... : 4.2.2

     Common Services is installed in................. : C:\PROGRA~2\CSCOpx
     The temp folder for this restore program........ : C:\PROGRA~2\CSCOpx\tempBackupData
     Applications installed on this machine ......... : [Common Services][rpt][vms]
     Applications in the backup archive ............. : [Common Services][aus][rpt][vms]



     WARNING: The list of applications installed on this CiscoWorks server does not match the list of
              applications in the backup archive. If you restore data from this backup archive,it may
              cause problems in the CiscoWorks applications.
              Do you want to continue the restore operation?  (y-continue or n-quit, y/n)?y

     Applications to be restored are................. : [Common Services] [rpt] [vms]
     Size of filebackup.tar.gz ...................... : 2615435872
     Size of filebackup.tar ......................... : 15222323712
     Size of filebackup.tar.gz ...................... : 2615435872
     Size of filebackup.tar ......................... : 15222323712

     Available disk space in NMSROOT................. : 474138132 Kb
     Required disk space in NMSROOT.................. : 49215059 Kb
     (The temp and NMSROOT are on same device, therefore this required disk space includes temp space)

  Copying the backup files to the temporary location [C:\PROGRA~2\CSCOpx\tempBackupData]
  Un-compressing filebackup.tar.gz of vms
  Un-compression sucessful!!
        INFO: The tailored version of vms.info in Backup Dir is 4220.
        INFO: The tailored version of vms.info in current system is 4220.

  preRestore of [Common Services] has started.
  preRestore of [Common Services] has completed.

  preRestore of [rpt] has started.
  preRestore of [rpt] has completed.

  preRestore of [vms] has started.

VMS license check started.


VMS license check completed.

  preRestore of [vms] has completed.

  doRestore of [Common Services] has started.

          License check started.
          License check completed.

          Restoring certificate.

             WARNING: Cannot evaluate the hostname, hence the certificate
                      may be from this host or another host.

                      [  Certificate not overwritten  ]

          Restored Certificate.

          Restoring Common Services database.
          Restored Common Services database.

          Restoring CMIC data.
          Restored CMIC data.

          Restoring CMC data.
          Restored CMC data.
```



注意：如果一切正常，您會在指令碼完成執行時收到Restored Successfully訊息。

```
        Restoring Security Settings.
        Restored Security Settings.

        Restoring DCR data.
        Restored DCR data.


        Restoring Certificate key store.
        Restored Certificate key store.

  Restoring DCNM CrossLaunch data.
        Restored DCNM CrossLaunch function.

        Restoring JAAS configuration.
        Restored JAAS configuration.

        JRM Job Migration started.
        JRM job Migration done.
  doRestore of [Common Services] has completed.

  doRestore of [rpt] has started.
  doRestore of [rpt] has completed.

  doRestore of [vms] has started.
  doRestore of [vms] has completed.

  postRestore of [Common Services] has started.
  postRestore of [Common Services] has completed.

  postRestore of [rpt] has started.
  postRestore of [rpt] has completed.

  postRestore of [vms] has started.
  postRestore of [vms] has completed.
 Changing the registry value If Process Monitor is Enabled

C:\PROGRA~2\CSCOpx>reg Delete "HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Cisco\Resource Manager\CurrentVersion\Daemons\Pro
cessMonitor" /v Auto /f
The operation completed successfully.

C:\PROGRA~2\CSCOpx>reg Add "HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Cisco\Resource Manager\CurrentVersion\Daemons\Proces
sMonitor" /v Auto /t REG_DWORD /d "1"
The operation completed successfully.
0
[SC] ChangeServiceConfig SUCCESS
[SC] ChangeServiceConfig SUCCESS
[SC] ChangeServiceConfig SUCCESS

Restored successfully.

PS C:\Program Files (x86)\CSCOpx\bin>
```



注意：您可以在回覆命令路徑上使用的其他選擇性引數包括：

<#root>

```
CSM_path\bin\perl CSM_path\bin\restorebackup.pl [-t temporary_directory ] [-gen generationNumber
```

-t temporary_directory Restore程式儲存其臨時檔案。預設情況下，此目錄為$NMSROOT \tempBackupData。

-gen generationNumber要恢復的備份層代號。依預設，它是最新世代。如果第1代到第5代存在，則第5代是最新的。

-d backup_directory包含要還原之備份的備份路徑。

-h提供此恢復命令的幫助。

步驟4.使用以下命令再次重新啟動CSM進程：

<#root>

```
net start crmdmgtd
```

```
PS C:\Program Files (x86)\CSCOpx\bin> net start crmdmgtd
The Cisco Security Manager Daemon Manager service is starting.
The Cisco Security Manager Daemon Manager service was started successfully.
```

相關資訊

- CSM安裝和升級指南

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）。