

將Firepower機箱管理器註冊配置為本地智慧軟體管理器

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簡介

本檔案介紹將Firepower 4100/9300平台上的Firepower機箱管理器(FCM)註冊為本地智慧軟體管理器(SSM)的逐步說明。

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必要條件

需求

思科建議您瞭解以下主題：

- Firepower機箱管理器 於Firepower 4100/9300系列
- 內部智慧軟體管理器
- 適用於Firepower產品的智慧許可模式

採用元件

本檔案中的資訊是根據以下軟體/硬體版本：

- Firepower機箱管理器2.7(1.92)
- 內部智慧軟體管理器 7

本文中的資訊是根據特定實驗室環境內的裝置所建立。全部的 本文檔中使用的裝置 開始於 已清除 (預設) 的配置。如果您的網路運作中，請確保您瞭解任何步驟可能造成的影響。

背景資訊

Cisco Smart Software Manager On-Prem (以前稱為Cisco Smart Software Manager衛星) 是思科智慧許可的一個元件，可與思科智慧軟體管理器配合使用。它為您購買和使用的思科許可證提供近

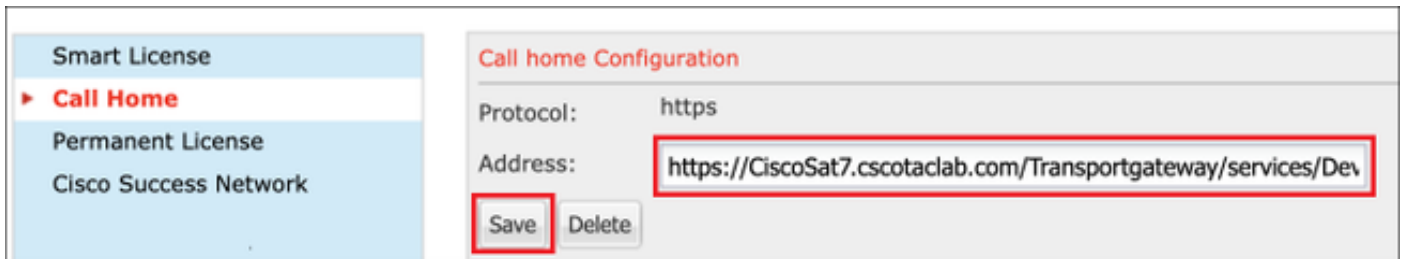
乎即時的可視性和報告中，同時，讓對安全性敏感的組織能夠訪問思科SSM功能的子集，而無需直接使用網際網路連線以管理他們的客戶群。

程式

將智慧軟體管理器本地註冊到智慧帳戶後,思按照以下步驟在FCM上註冊它。

步驟1。 在FCM上，導覽至System > Licensing > Call Home，然後使用位址編輯和儲存呼叫總部設定：

`https://[本地伺服器的FQDN]/Transportgateway/services/DeviceRequestHandler`



Smart License

- Call Home
- Permanent License
- Cisco Success Network

Call home Configuration

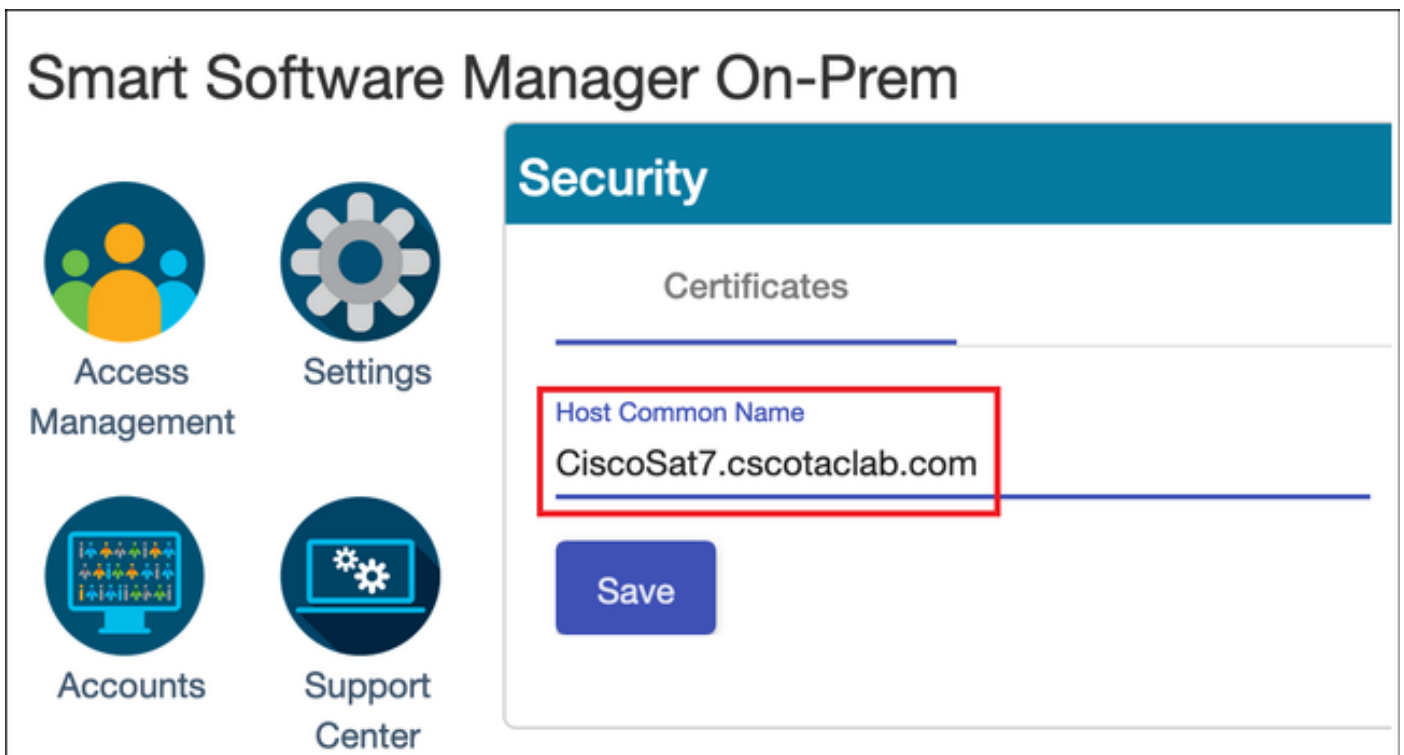
Protocol: https

Address: `https://CiscoSat7.cscotaclab.com/Transportgateway/services/Dev`

Save Delete

本地伺服器的FQDN必須與Host 在SSM上配置的公用名。

要檢查SSM On-Prem 7上配置的主機公用名，請登入到SSM管理工作區，然後導航到安全頁籤。



Smart Software Manager On-Prem

Access Management

Settings

Accounts

Support Center

Security

Certificates

Host Common Name

`CiscoSat7.cscotaclab.com`

Save

提示： 也可使用OpenSSL工具命令`openssl s_client -connect [OnPrem server IP]:443`驗證SSM主機公用名稱

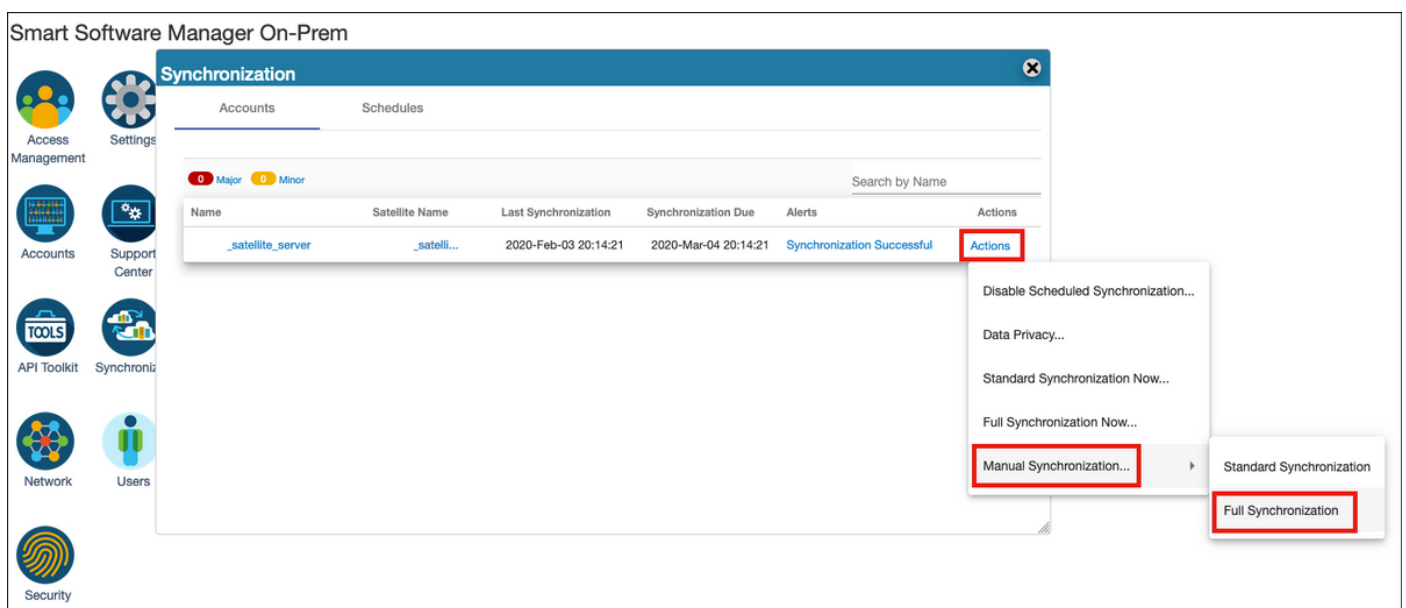
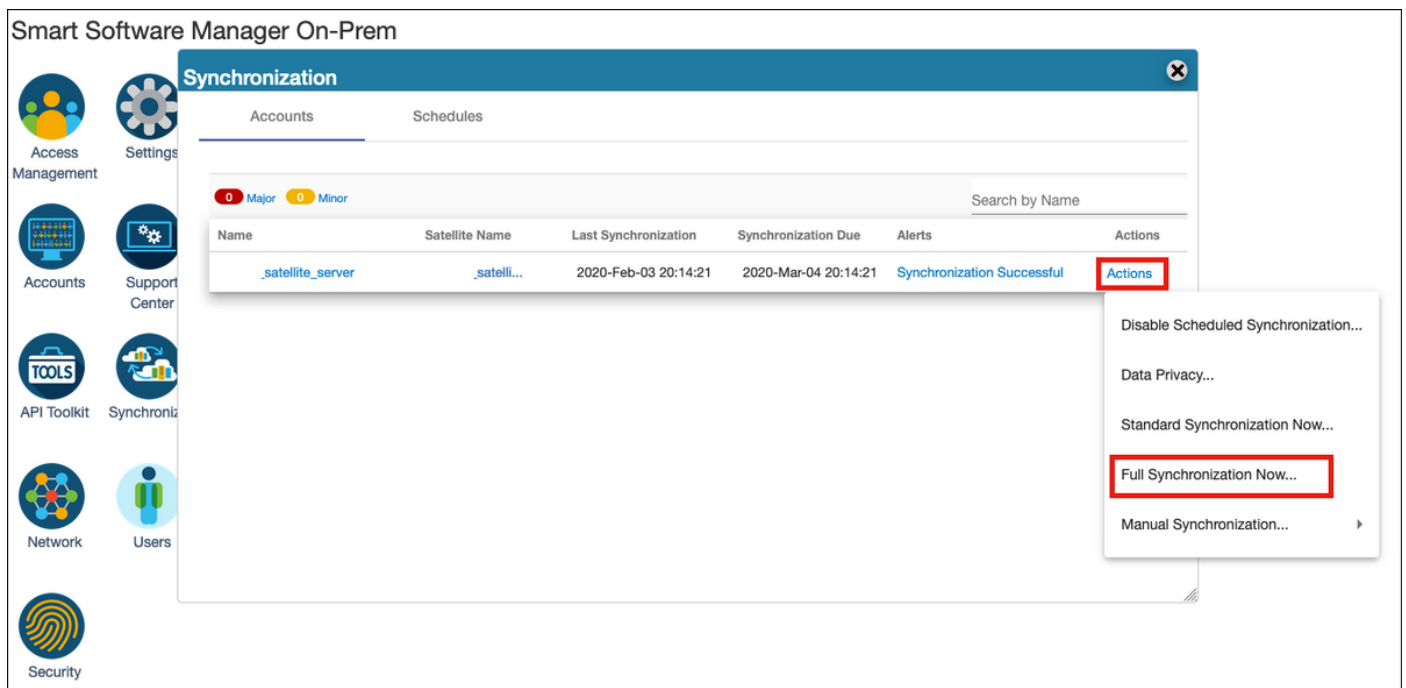
```
MCPRT:~ user$ openssl s_client -connect 10.48.23.171:443
CONNECTED(00000003)
depth=2 O = Cisco, CN = Cisco Licensing Root CA
verify error:num=19:self signed certificate in certificate chain
```

```

verify return:0
---
Certificate chain
 0 s:/CN=CiscoSat7.cscotac1ab.com/OU=TC/C=US/O=Cisco
  i:/C=US/O=Cisco/CN=TG SSL CA
 1 s:/C=US/O=Cisco/CN=TG SSL CA
  i:/O=Cisco/CN=Cisco Licensing Root CA
 2 s:/O=Cisco/CN=Cisco Licensing Root CA
  i:/O=Cisco/CN=Cisco Licensing Root CA
---
[...]
```

附註：如果通過SSM GUI更改主機公用名，請使用以下兩個同步選項之一，將SSM與思科許可頁面上的OnPrem帳戶同步：

- 1.線上點播：假設存在Internet連線並通過Full Synchronization Now(立即完全同步)完成。
- 2.《隨選手冊》：通過手動同步>完全同步



確保FQDN由解析 其在FCM上配置的DNS伺服器。

提示：可以在FCM CLI上從本地管理級別檢查SSM可重寫性

```
FPR4110# connect local-mgmt
FPR4110(local-mgmt)# ping CiscoSat7.cscotaclab.com
PING CiscoSat7.cscotaclab.com (10.48.23.171) from 10.62.148.38 eth0: 56(84) bytes of data.
64 bytes from 10.48.23.171: icmp_seq=1 ttl=53 time=47.9 ms
64 bytes from 10.48.23.171: icmp_seq=2 ttl=53 time=47.9 ms
```

步驟2.登錄SSM On-Prem 7 Licensing工作區，並導航到Smart Licensing > Inventory > General。

Smart Software Manager On-Prem > Smart Licensing

Smart Licensing

Alerts | **Inventory** | Convert to Smart Licensing | Reports | Preferences | Satellites | Activity

Virtual Account: **Default**

General | Licenses | Product Instances | Event Log

Local Virtual Account

Description	This is the default virtual account created during company account creation.
Default Local Virtual Account:	Yes

Product Instance Registration Tokens

The registration tokens below can be used to register new product instances to this Local Virtual Account. For products which support Smart Transport you must configure the destination address http on the product to use the [Smart Call Home Registration URL](#). The recommended method is S

步驟3. 選擇 新令牌 生成令牌。

Product Instance Registration Tokens

The registration tokens below can be used to register new product instances to this Local Virtual Account. For products which support Smart Transport you must configure the destination address http on the product to use the [Smart Call Home Registration URL](#). The recommended method is S

步驟4.輸入令牌的說明、到期時間，然後選擇建立令牌。

Create Registration Token ✕

This dialog will generate the token required to register your product instances with your Account.

Virtual Account	Default
Description	<input type="text" value="token1"/>
Expire After	<input type="text" value="30"/> Days <small>Enter the value between 1 and 365, but Cisco recommends a maximum of 30 days</small>
Max. Number of Uses	<input type="text"/> <small>The token will be expired when either the expiration or the maximum uses is reached</small>

Allow export-controlled functionality on the products registered with this token ?

Create Token
Cancel

步驟 5. 將權杖複製到剪貼簿。

步驟 6. 導覽至 FCM System > Licensing > Smart License 貼上令牌並選擇 Register。

▶ **Smart License**

- Call Home
- Permanent License
- Cisco Success Network

Welcome to Smart Licenses

Smart License is not set up in this product. To use smart license, first register this product with Cisco Smart Software Manager

Smart License Product Registration

Enter Product Instance Registration Token:

1234ODU5Mzgt1234567890ExLWlWYtctYfYzA00TJIZGI1LTE2MDQzMDc2%0AMjkyNTJ8Q25rU21234IEcfG0ZTNON2czZW01VDREQJJPV1dyMGdzWit2MUdn%0AdjV1234567890

If you don't have your product instance registration token, you may copy it from your Cisco Smart Software Manager under the assigned virtual account.

Cisco Success Network

Cisco Success Network enablement provides usage information and statistics to Cisco which are essential for Cisco to provide technical support. This information also allows Cisco to improve the product and to make you aware of unused available features so that you can maximize the value of the product in your network. [Click here](#) to check out the sample data that will be sent to Cisco.

You can disable the Cisco Success Network anytime by visiting the Cisco Success Network preferences pane.

Disconnection of Cisco Success network will not impact the receipt of Updates or operations of the Smart Licensing; such functions will continue to operate normally.

Enable Cisco Success Network

Register

驗證

導航到 System (系統) 時可以確認許可證狀態 > 許可證輸入 > 智慧許可證，或在 FCM CLI 上運行 `show license techsupport` 命令：

<p>► Smart License</p> <p>Call Home</p> <p>Permanent License</p> <p>Cisco Success Network</p>	<p>Smart License Status</p> <div style="border: 2px solid red; padding: 5px;"> <p>Registration:</p> <p>Status: REGISTERED</p> <p>Smart Account: _satellite_server</p> <p>Virtual Account: Default</p> <p>Export-Controlled Functionality: ALLOWED</p> <p>Initial Registration: SUCCEEDED on Feb 03 2020 20:50:39 CET</p> <p>Last Renewal Attempt: None</p> <p>Next Renewal Attempt: Aug 01 2020 21:50:39 CEST</p> <p>Registration Expires: Nov 02 2020 09:37:25 CET</p> </div> <p>License Authorization:</p> <p>Status: AUTHORIZED on Feb 03 2020 20:50:44 CET</p> <p>Last Communication Attempt: SUCCEEDED on Feb 03 2020 20:50:44 CET</p> <p>Next Communication Attempt: Mar 04 2020 20:50:44 CET</p> <p>Communication Deadline: May 03 2020 21:47:43 CEST</p> <p>Unregister</p>
--	---

FPR4110# show license techsupport

Smart Licensing Tech Support info

Smart Licensing Status

=====

Smart Licensing is ENABLED

Registration:

Status: REGISTERED

Smart Account: _satellite_server

Virtual Account: Default

Export-Controlled Functionality: ALLOWED

Initial Registration: SUCCEEDED on Feb 03 2020 20:50:39 CET

Last Renewal Attempt: None

Next Renewal Attempt: Aug 01 2020 21:50:39 CEST

Registration Expires: Nov 02 2020 09:37:25 CET

License Authorization:

Status: AUTHORIZED on Feb 03 2020 20:50:44 CET

Last Communication Attempt: SUCCEEDED on Feb 03 2020 20:50:44 CET

Next Communication Attempt: Mar 04 2020 20:50:44 CET

Communication Deadline: May 03 2020 21:47:43 CEST

[...]

相關資訊

- [智慧許可概述](#)
- [Firepower 4100/9300 FXOS Firepower 機箱管理器配置指南](#)
- [智慧軟體管理器本地使用手冊](#)