

從UCS Central升級UCS韌體

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簡介

本文檔介紹從UCS Central升級單個域的步驟。

以前，使用者為每個域組安排基礎設施韌體更新。Cisco UCS Central 1.5及以上版本已改變了此功能。現在，您可以使用維護組和標籤安排特定域或分配給域組的域的基礎設施韌體更新。

採用元件

UCS Central 2.0(1a)

UCS管理器3.1(3a)

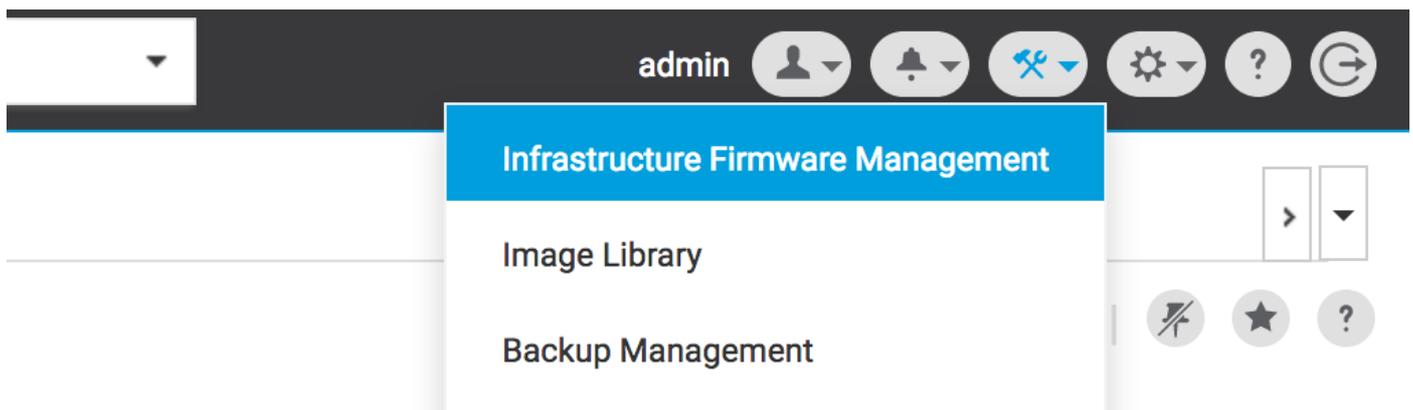
使用的所有裝置都是實驗室裝置

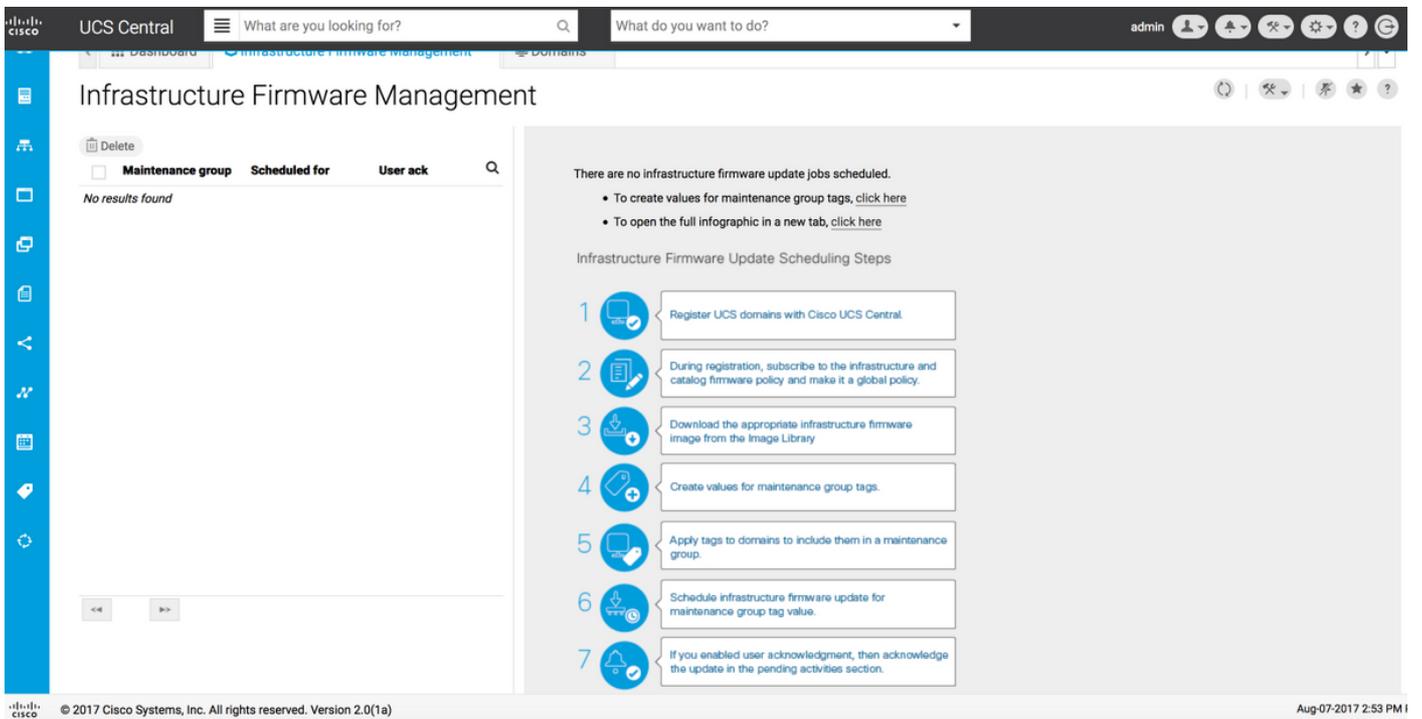
設定

您可以根據產品系列觸發一個域、多個域或屬於某個域組的域上的基礎架構韌體更新。例如，您可以更新所有Cisco UCS Mini系統上的基礎設施韌體，而不更新任何刀鋒伺服器。另一個示例是，您可以更新西海岸的所有維護組，但東海岸不更新。以下是所需初步步驟的概述。

程式

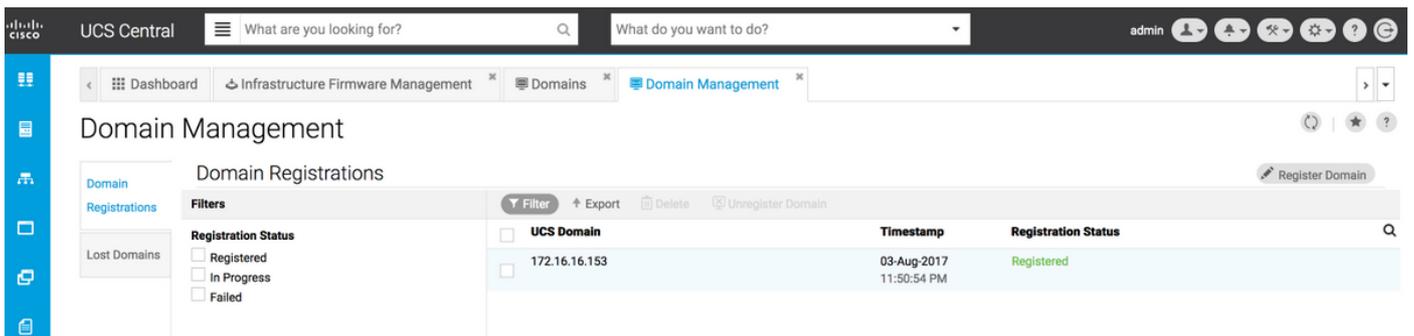
按一下UCS Central中的「工具」圖示以啟動Infrastructure Firmware Management。列出了韌體升級的步驟。





步驟1 確保UCS域已向UCS Central註冊。

有關詳細資訊，請參閱 *Cisco UCS Central* 入門指南。



第2步 在註冊期間，確保Infrastructure & Catalog Firmware的策略解決方案設定為全域性。

來自UCS Central的策略解決方案

Domain to UCS Central Register



Basic

Policy
Resolution
Control

Policy Resolution

Infrastructure & Catalog Firmware	Local	Global
Time Zone Management	Local	Global
Communication Services	Local	Global
Global Fault Policy	Local	Global
User Management	Local	Global
DNS Management	Local	Global
Backup & Export Policies	Local	Global
Monitoring	Local	Global
SEL Policy	Local	Global
Power Allocation Policy	Local	Global
Power Policy	Local	Global
Equipment Policy	Local	Global

Infrastructure & Catalog Firmware

Determines whether the Capability Catalog and infrastructure firmware policy are defined in UCS Manager or in UCS Central

Cancel

Register

來自UCS Manager的策略解決方案

UCS Central

Providers

FSM

Faults

Actions

Register With UCS Central
Unregister From UCS Central

Status

Repair State : **Done**
Registration Status : **Registered**
Cleanup Mode : Localize Global Deep Remove Global
Suspend State :
Acknowledge State :

Properties

Hostname/IP Address : **172.16.16.190**

Policy Resolution Control

Infrastructure & Catalog Firmware : Local Global Determines whether the Capability Catalog and infrastructure firmware policy are defined locally or come from Cisco UCS Central.

Time Zone Management : Local Global Determines whether the time zone and NTP server settings are defined locally or comes from Cisco UCS Central.

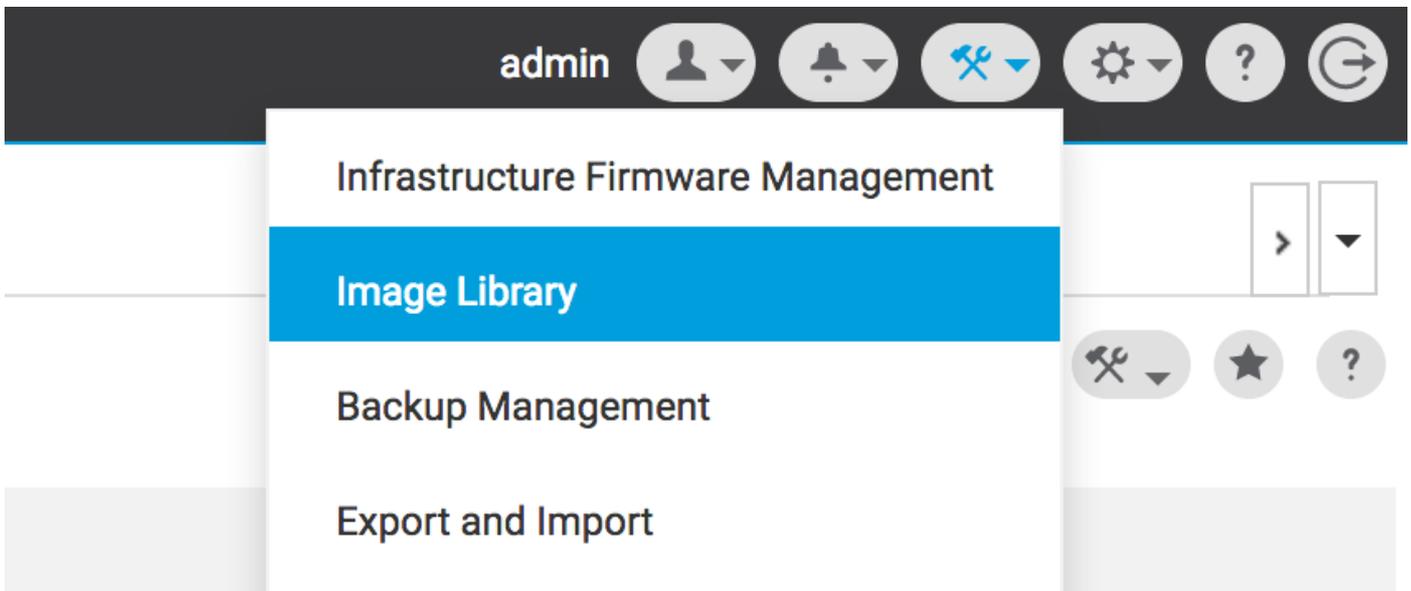
Communication Services : Local Global Determines whether HTTP, CIM XML, Telnet, SNMP, web session limits, and Management Interfaces Monitoring Policy settings are defined locally or in Cisco UCS Central.

Global Fault Policy : Local Global Determines whether the Global Fault Policy is defined locally or in Cisco UCS Central.

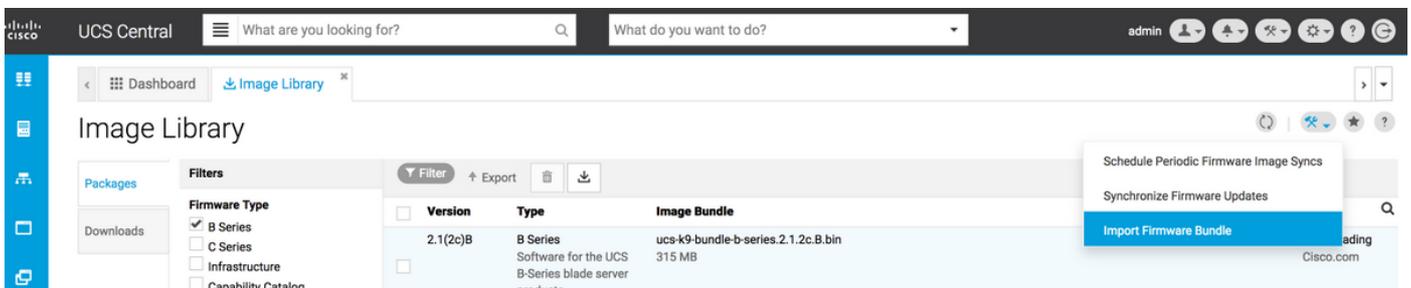
User Management : Local Global Determines whether authentication and native domains, LDAP, RADIUS, TACACS+, trusted points, locales, and user roles are defined locally or in Cisco UCS Central.

DNS Management : Local Global Determines whether DNS servers are defined locally or in Cisco UCS Central.

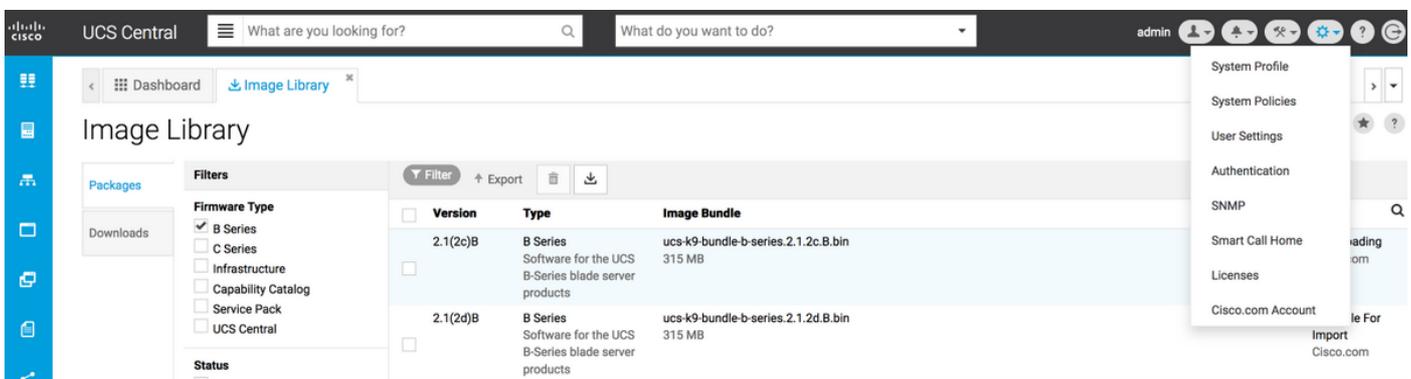
步驟3 從映像庫下載相應的基礎架構固件映像。



可使用Import firmware bundle選項手動下載



如果使用者憑證在Cisco.com帳戶中設定，可以直接從Cisco.com下載映像。



步驟4 創建維護組標籤。

可以針對每個域組應用維護組標籤

Maintenance Group Tag Create



Domains must be tagged with a Maintenance Group tag to schedule an infrastructure firmware update. When you create a Maintenance Group tag in this dialog, all selected domains are tagged with it.

Maintenance Group Tag Value *

Tag

Select how to apply tags to Domains

By Domain Group

Manually

The Maintenance Group tag applies to all existing domains within the Domain Group. It will not be applicable to any new domains that get added further to the domain group. If you select to include sub-domain groups, the Maintenance Group tag also applies to all sub-domain groups.

Domain Group

NA-6200

Include all Sub-Domain Groups

Cancel

Create

維護組標籤可以應用於每個域。我們將單獨應用到該域。



Maintenance Group Tag Create

Domains must be tagged with a Maintenance Group tag to schedule an infrastructure firmware update. When you create a Maintenance Group tag in this dialog, all selected domains are tagged with it.

Maintenance Group Tag Value *

Tag

Select how to apply tags to Domains

By Domain Group

Manually



Filters

Domain Group

Ungrouped

root

Platform

UCS 6100/6200 Series FI

UCS Mini 6300 Series FI

UCS 6300 Series FI

Domain

Hardware

Configuration

Status

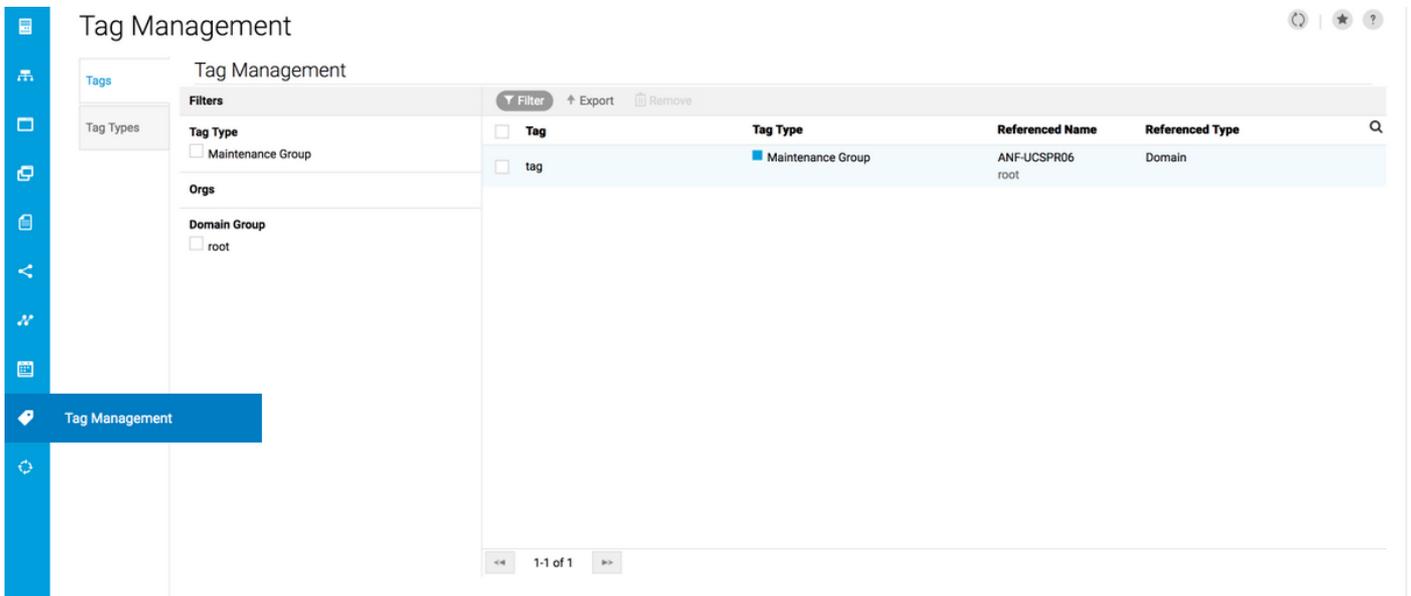


<input type="checkbox"/>	ANF-UCSPR06 root	UCS-FI-6248UP Fabric A, B (HA)	UCS 6100/6200 Series FI 3.1(3a)A	OK Fault Level: Major
<input checked="" type="checkbox"/>	172.16.16.153	1 Chassis 0 FEX 3 Blades 0 Rack Mounts	3.1(3)SP0(Default) FW Set Startup	

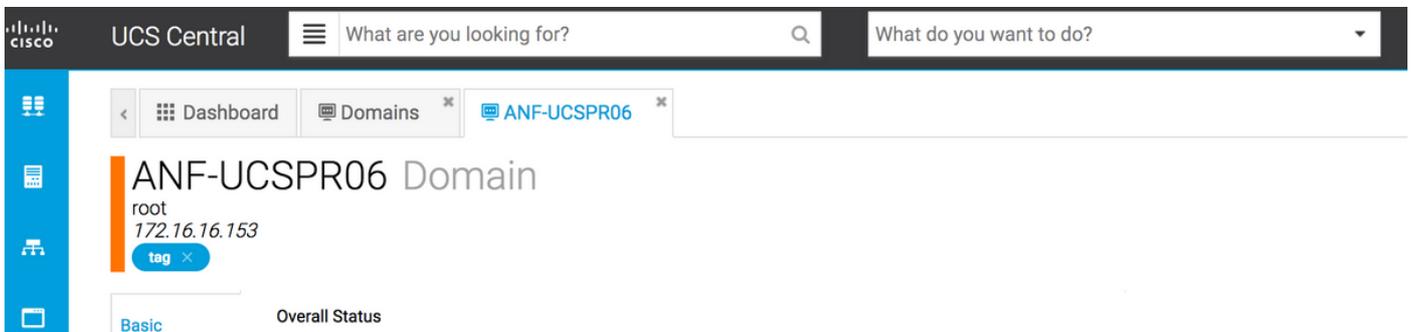
Cancel

Create

您可以驗證建立的標籤是否在標籤管理下將標籤型別作為維護組。

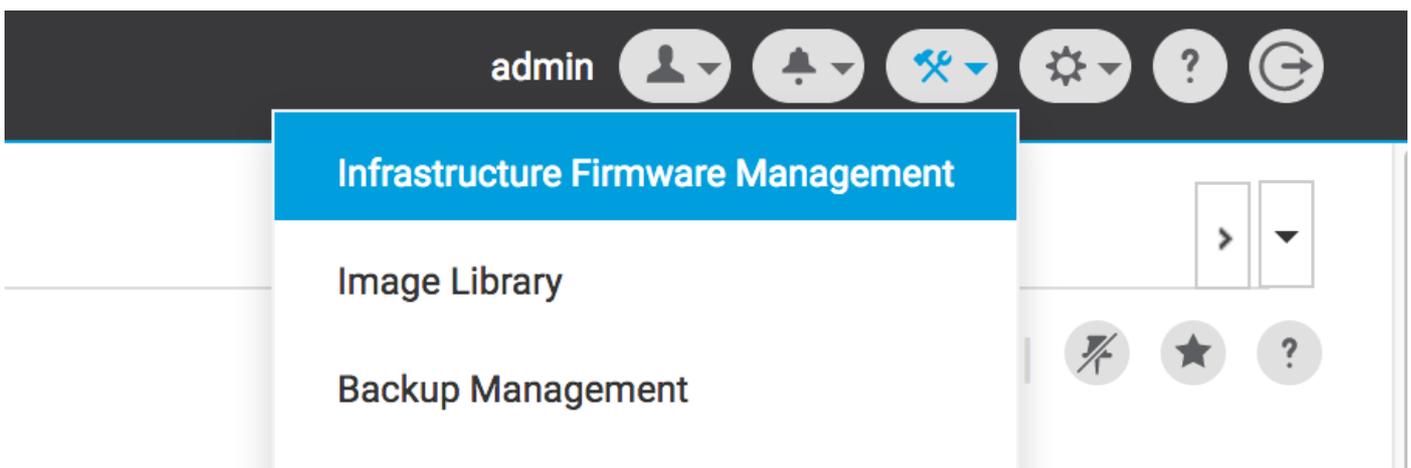


步驟5域將具有新建立的標籤



第6步從工具圖示啟動基礎設施韌體管理。

基礎架構韌體管理



選擇Maintenance組的標籤、Infrastructure韌體版本和目錄版本。

基礎架構韌體更新

Infrastructure Firmware Update Schedule



Maintenance group *
tag

Infrastructure firmware version
UCS 6100/6200 Series Fabric Interconnect
2.2(8g)A
 UCS 6100/6200 Series Service Pack

UCS Mini 6300 Series Fabric Interconnect
None
 UCS Mini 6300 Series Service Pack

UCS 6300 Series Fabric Interconnect
None
 UCS 6300 Series Service Pack

Catalog version
None

Force Deploy
Enabled **Disabled**

Evacuation
Enabled **Disabled**

Settings	Value
Catalog Version	
Force Deploy	Disabled
Evacuation	Disabled

Impacted domains

Firmware status

- 1 Ready
- 0 Scheduled
- 0 In Progress
- 0 Failed
- 0 Pending Acknowledgement /Permission

Impacted Domains

Domain	Current Version	Firmware Status	Domain Status
ANF-UCSPR06	3.1(3a)A	Ready	OK
UCS 6100/6200 Series FI	3.1(3)SP0(Default)		

Cancel **Schedule**

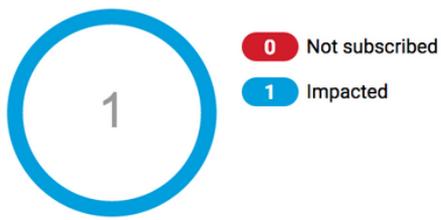
在User acknowledgement required to install欄位中，選擇更新是否需要使用者確認。如果已啟用，則必須在更新域之前手動確認更新請求。在此案例中，我們已將其設定為啟用。

User acknowledgement required to install

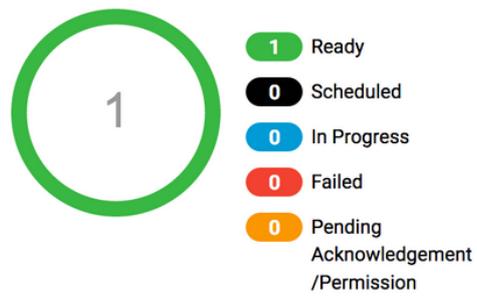
Enabled Disabled

監控受影響的域，並等待掛起確認設定為1。

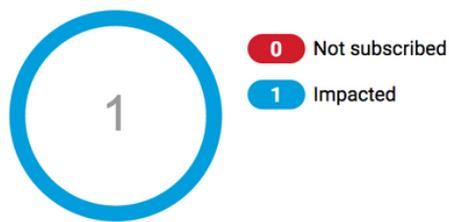
Impacted domains



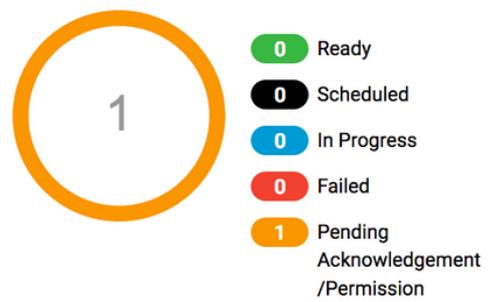
Firmware status



Impacted domains



Firmware status



Impacted Domains

步驟7 在 **Pending Activities** 下，您可以確認 **Pending Acknowledgement** 狀態以開始升級。

