CSPC收集平台軟體安裝及設定指南

<u>簡介</u> <u>CSPC採集平台軟體簡介</u> <u>安裝和配置</u> <u>OVA安裝</u> <u>ESXi修補程式安裝</u> <u>CSR1000V NAT OVA安裝</u> <u>CSR1000v升級</u> <u>CIMC補丁安裝</u> <u>NOS設定器</u>

簡介

本指南介紹如何使用安裝和配置CSPC伺服器。請參閱CSPC使用手冊以使用應用程式。

有關程式更新和重要說明,請參閱CSPC發行說明和自述檔案。

CSPC採集平台軟體簡介

Cisco Common Service Platform Collector(CSPC)是一個基於SNMP的工具,可發現並收集網路中 安裝的思科裝置的資訊。CSPC軟體提供廣泛的收集機制,以收集客戶裝置資料的各個方面。收集 器收集的資訊由多種思科服務產品使用,例如智慧網路支援服務、合作夥伴支援服務和關鍵業務服 務。這些資料用於提供硬體和作業系統(OS)軟體的資產報告、產品警報、配置最佳實踐、技術服務 覆蓋、生命週期資訊以及許多其他詳細報告和分析。

本指南的使用者

本指南面向網路和安全管理員以及思科網路工程師,也面向新使用者。

使用者應在電腦上具有管理許可權以安裝CSPC。

安裝和配置

CSPC伺服器映像附帶一個預載入的應用程式,該應用程式套件含伺服器軟體、資料庫和所有必需 的工具。

OVA安裝

本節介紹不同安裝階段的詳細安裝過程

前提條件

要不間斷地部署、安裝和配置CSPC軟體,請準備好以下內容:

• 從下載中心獲取xxx.ova檔案

• 使用CSPC靜態IP地址、預設網關IP地址和子網掩碼。僅在不啟用DHCP的情況下建議這樣做。

部署CSPC OVA

本節介紹使用VMWare vSphere客戶端部署CSPC OVA的步驟:

- 1. 將xxx.ova檔案獲取到Web伺服器或本地檔案系統(其中vSphere客戶端可用)
- 2. 啟動vSphere客戶端,並使用具有部署OVA檔案許可權的憑據登入
- 3. 使用vSphere客戶端並選擇管理CSPC虛擬機器的ESXi主機或IP地址
- 4. 使用vSphere客戶端並選擇「檔案」選單,然後選擇「檔案」選單中所顯示的「**部署OVF模板** …」選單項。
- 5. 選擇要部署的OVF檔案有兩種方式:
 - 使用Web瀏覽器選擇本地或遠端Web伺服器上的OVF檔案。如果使用此選項,請鍵入檔案 *xxx.ova*的URL,然後按一下**下一步**。
 - 使用檔案資源管理器選擇本地駐留的OVF檔案。如果使用此選項,請按一下**瀏覽……**並導 航檔案資源管理器以找到檔案xxx.ova,然後按一下**下一步**。

附註:下面的所有螢幕只是插圖而不是實際螢幕。

New	•	entory D TI Inventory	
Deploy OVF Temp	olate		
Export	,		
Report	,	ocaldomain VMware ESXi, 5.1.0, 799733	
Browse VA Marke	tplace	arted Summary Virtual Machines Resource Allocation Performan	ce Configuration
Print Maps	•		
Exit		a Host?	
	as ES) CPU a give vi conne You ca	Cor ESXI, to run virtual machines. Hosts provide the nd memory resources that virtual machines use and rtual machines access to storage and network ctivity.	
	The ea virtual machir installe system	by deploying a virtual appliance. asiest way to add a virtual machine is to deploy a appliance. A virtual appliance is a pre-built virtual ne with an operating system and software already ed. A new virtual machine will need an operating a installed on it, such as Windows or Linux.	
	Basic	Tasks anage this host from vCenter Server	vSphere Clier

6. 瀏覽以選擇URL,然後按一下Next以繼續。

0	Deploy OVF Template	×
Source Select the source location.		
Source OVF Template Details Name and Location Disk Format Ready to Complete	Deploy from a file or URL <u>released cooks23/14/164.bt/vm/ove/kolestor22/164.b52.ots</u> <u>Briese</u> Enter a URL to download and install the OVF package from the Internet, or specify a local hard drive, a network share, or a CD/DVD drive.	
	< Back Next > Cancel	

7. 按一下**下一步**繼續。



8. 按一下Accept確認終端使用者協定。

	Deploy OVF Template	3
Deploy OVF Template Ind User License Agreement Accept the end user locense agreements. Source OVF: Template Details End User License Agreement Source OVF: Template Details End User License Agreement Cisco Systems TBRMS OF USE Legal Agreement TBRMS OF USE Legal Agreement Thank you for using the Cisco Systems Product CSP Collector (the "Product"). These Terms of Use apply to all users of the Product (Users), and constitute a binding, legal agreement ("Agreement") between User and Cisco Systems, Inc. ("Cisco Systems"). License This License sets forth User's rights to use the software provided through the Applance (the "Software"), related content: (the "Content"), and all associated documentation (the "Software"), related content: (the "Content"), and all associated documentation (the "Software"), related content: (the "Content"), and all associated documentation (the "Software"), related content: (the "Content"), and all associated documentation (the "Software"), related content: (the "Content"), and all associated documentation (the "Software"), related content: (the "Content"), and all associated documentation (the "Software"), related content: (the "Content"), and all associated documentation (the "Software"), related content: (the "Content"), and all associated documentation (the "Software"), related content: (the "Content"), and all associated documentation (the "Software"), related content: (the "Content"), and all associated documentation (the "Software"), related content: (the "Content"), and all associated bound the order to in this Agreement as the "Loensed Product." Upon recept of the applicable license fee, Cisco Systems grants to User the non-exclusive, non-transferable right to use the Licensed Product. See Systems does and the adverted and the Licensed Product. The Software source code and related proprietary Rights Cisco Systems and its suppletes own all propri		
Source OVF Template Details End User License Agreems Name and Location Deployment Configuration Disk Format Network Mapping Ready to Complete	Clisco Systems TERMS OF USE Legal Agreement Thank you for using the Clisco Systems Product CSP Collector (the "Product"). These Terms of Use apply to all users of the Product ("Users"), and constitute a binding, legal agreement ("Agreement") between User and Clisco Systems, Inc. ("Clisco Systems"). License This License sets forth User's rights to use the software provided through the Appliance (the "Software"), related content (the "Content"), and all associated documentation (the "Documentation"), all of which are the proprietary and copyrighted material of Clasco Systems. Collectively, the Software, Content, and Documentation are referred to in this Agreement as the "Ucensed Product." Upon receipt of the applicable license fee, Clisco Systems grants to User the non-exclusive, non-transferable right to use the Licensed Product solely for Users benefit. Proprietary Rights Clisco Systems and its suppliers own all proprietary rights, including all patents, copyrights, and trademarks, in and to the Site and the Licensed Product. The Software source code and related proprietary information and trade secrets are not licensed to User, and any modification, addition or deletion is strictly pachibited. User agrees to take all reasonable steps to prevent unauthorized disdosure, use or copying of the Licensed Product. The Software source code and related proprietary information and trade secrets are not licensed to User, and any modification, addition or deletion is strictly pachibited. User agrees to take all reasonable steps to prevent unauthorized disdosure, use or copying of the Licensed Product. The trademarks Clisco Systems are the trademarks of Clisco Systems, Inc. Other trademarks used in the product are the property of their respective owners. General User Obligations	6 10

9. 選擇要儲存虛擬機器的相應儲存,然後按一下**下一步**繼續。



10. 選擇所需的配置,然後按一下**下一步**。

0	Deploy OVF Template	D X
Deployment Configuration Select a deployment config	juration.	
Source OVF Template Details End User License Agreement Name and Location Disk Format Network Mapping Ready to Complete	Configuration: Medium UtraSmall Small Medium Large BGB Memory 500GB Storage Please check your service types (BCS, SNTC, PSS) and network size in order to choose the configuration.	
×	< Back Next >	Cancel

11. 按一下**下一步**繼續。

8	Deple	oy OVF Template		×
Disk Format In which format do you wa	nt to store the virtual disks?			
Source OVF Temolate Details End User License Agreement Name and Location Decloyment Configuration Disk Format Network Mapping Ready to Complete	Datastore: Available space (GB): (* Thick Provision Lazy Ze (* Thick Provision Eager Z (* Thin Provision	datastore 1 5593.5 roed eroed		
			< Back Ne	ext > Cancel

12. 對映網路使用情況,然後按一下**Next**。

Network Mapping What networks should the o	Deploy OVF 1	emplate	- 0 ×
Source OVF Template Details End User License Agreement Name and Location Deployment Configuration Disk Format Network Mapping Ready to Complete	Map the networks used in this OVF te Source Networks VM Network	mplate to networks in your inventory Destination Networks VM Network	
	Description: The VM Network network		×
		< Back Next	>Cancel

13. 選擇Poweron after deployment,然後按一下Finish。

0	Deploy OV	F Template
Ready to Complete	want to use?	
Are these the options you	wars to user	
Source OVF Template Details End User License Agreement Name and Location Deployment Configuration Disk Format Network Macoing Ready to Complete	When you dick Finish, the deploym Deployment settings: OVF file: Download size: Size on disk: Name: Deployment Configuration: Host/Cluster: Datastore: Disk provisioning: Network Mapping:	http://10.127.102.210/release/cspc273/full/64bit/vm/ova 3.9 GB 11.7 GB CSP Collector_2.7.3_medium Medium localhost. datastore1 Thin Provision "VM Network" to "VM Network"
	Power on after deployment	< Back Finish Cancel
『署進度螢幕將會顯示	、等待部署完成。	
🖉 5% Deplo	ying CSP Collec	tor Appliance 🗕 🗖 🗙
Deploying CSP Deploying disk	Collector Appliance	
4 minutes and	15 seconds remaining	

成功安裝CSPC OVA後,您必須配置IP地址。

1. 按一下新安裝的CSPC OVA。



系統將提示您輸入密碼。首先輸入密碼並確認密碼。

附註:下面的所有螢幕只是插圖而不是實際螢幕。

輸入密碼後,您便可以從選單或命令shell提示符中配置IP。

無論使用哪種方法配置IP地址,請確保連線到管理外殼以初始化收集器登入使用者和根使用者。





配置IPv4地址

- 1. 選擇1以配置IPv4地址。
- 2. 選擇顯示的選項之一:
 - 選擇1以自動獲取IP地址。



File View VM	
Intializing Please wait	
Please select from the below options:	
1. Get IPv4 Address automatically (Use DHCP) 2. Enter IPv4 Address manually (Static IP Address) 3. Main Menu	
Enter your choice : 2	
Enter IP Address : Lotter Logarito	
Enter Net Mask :	
Enter Default Gateway : 49-109-109-1	
To release cursor, press CTRL + ALT	

•選擇3返回主選單。

配置IPv6地址

- 1. 選擇2以配置IPv6地址。
- 2. 選擇顯示的選項之一:
 - 選擇1以自動獲取IP地址。



• 選擇3返回主選單。

在Shell上直接配置IP地址

o

1. 選擇3可檢視命令列(Shell)。

附註:只有管理員使用者可以配置IP。配置IP之前,請以管理員使用者身份切換。

2. 輸入命令Conf ip -v4 eth0或Conf ip -v6 eth0,然後輸入IP地址、子網掩碼和網關,如圖所示

3. 確認IP地址設定:

show ip

啟用預設帳戶

要初始設定或重置密碼,請使用以下命令:

1. 啟用Linux使用者登入「collectorlogin:」

pwdreset collectorlogin 90

這會生成使用者名稱「collectorlogin」的密碼。

2. 啟用Linux根目錄登入:

pwdreset root 90

這將為使用者名稱「 root 」生成密碼。

3. 要連線到根目錄,請首先連線到收集器登入提示符,然後使用命令su root:

\$ su root

附註:確保將收集器登入密碼和根密碼都儲存在安全、可訪問的位置!

不允許您直接連線到root,如果嘗試直接連線到使用者root,將會鎖定該帳戶!

Cisco Network Appliance Administration To see the list of all the commands press '?' admin# pwdreset collectorlogin 90 Password for 'collectorlogin' reset to - Bqsxyfg4+ successfully Password expires in 90 days Shell is enabled passwd: all authentication tokens updated successfully *** Please memorize the new password *** Lost passwords cannot be recovered. The only alternative to recover is to reinstall the server. admin# pwdreset root 90 Password for 'root' reset to - Cdptfsu3+ successfully Password expires in 90 days Shell is enabled passwd: all authentication tokens updated successfully *** Please memorize the new password *** Lost passwords cannot be recovered. The only alternative to recover is to reinstall the server. admin#

附註:現在可以使用SSH或通過位於地址的瀏覽器連線到伺服器

https://<收集器的IP地址>:8001

管理shell上有其他命令。要顯示它們,只需執行以下操作: # ?

ESXi修補程式安裝

必要條件

- •繼續升級之前,請確保所有虛擬機器都已關閉。
- 從ESXi 5.x升級到ESXi 6.x後,將刪除舊的5.x許可證金鑰,您需要為ESXi中的VM新增6.x許可 證金鑰才能正常工作。

升級ESXi 6.0

- 1. 以管理員身份登入收集器裝置。
- 2. 要檢查ESXI的更新,請執行以下命令: #check update esxi
- 3. 要下載ESXI修補程式,請執行以下命令: #download jeos-100.0.6-0-lnx64
- 4. 要檢查下載狀態,請執行以下命令:

```
#show download
```

5. 將修補程式下載到/opt/LCM/tmp後,解壓該修補程式,並按照 Read_me_ESXI_6.0U3_and_6.0_patch_build_9313334.docx中的說明操作

CSR1000V NAT OVA安裝

必要條件

開始部署CSRV之前,您需要下面註明的所有這些資訊:

- ESXI登入IP和憑證。
- •現有NAT路由器/Pfsense VM登入IP和憑證。
- •需要替換的舊NAT路由器VM上的NAT規則和其他自定義配置的副本。
- 連線到ESXI的VSphere客戶端。
- CSR1000V CSPC NAT OVA可在本地或網路上部署。OVA的預設憑證。

本節介紹使用VMWare vSphere客戶端部署CSR1000V CSPC NAT OVA的步驟:

- 1. 將xxx.ova檔案獲取到Web伺服器或本地檔案系統(其中vSphere客戶端可用)
- 2. 啟動vSphere客戶端,並使用具有部署OVA檔案許可權的憑據登入
- 3. 使用vSphere客戶端並選擇管理NAT虛擬機器的ESXi主機或IP地址
- 4. 使用vSphere客戶端並選擇「檔案」選單,然後選擇「檔案」選單中所顯示的「**部署OVF模板** …」選單項。
- 5. 使用檔案資源管理器選擇本地駐留的OVA檔案。如果使用此選項,請按一下**瀏覽……**並導航檔 案資源管理器以找到檔案*xxx*.ova,然後按一下**下一步**。

New	•	entory D Inventory
Deploy O	VF Template	
Export	•	
Report	•	ocaldomain VMware ESXi, 5.1.0, 799733
Browse V	A Marketplace	arted Summary Virtual Machines Resource Allocation Performance Configuration
Print Map	s 🕨	
Exit		a Host?
	as ESX CPU ar give vir connec You ca one or	or ESXi, to run virtual machines. Hosts provide the nd memory resources that virtual machines use and tual machines access to storage and network tivity. n add a virtual machine to a host by creating a new by deploying a virtual appliance.
	The ea virtual machin installe system	siest way to add a virtual machine is to deploy a appliance. A virtual appliance is a pre-built virtual e with an operating system and software already d. A new virtual machine will need an operating installed on it, such as Windows or Linux.
	Basic	Tasks
	3 M	anage this host from vCenter Server

6. 瀏覽以選擇URL,然後按一下**Next**以繼續

Deploy OVF Template	
Source Select the source location.	
Source OVF Template Details Name and Location Disk Format Ready to Complete	Deploy from a file or URL C:\Users\Administrator\Downloads\CSR 1000V-16.06.04-CSP Browse Enter a URL to download and install the OVF package from the Internet, or specify a location accessible from your computer, such as a local hard drive, a network share, or a CD/DVD drive.
	< Back Next > Cancel

7. 按一下**下一步**繼續

Ø		Deploy OVF Template			
OVF Template Details Verify OVF template deta	ils.				
Source OVF Template Details Name and Location	Product:	CSR 1000V-16.06.04-CSPC-NAT-	-Router-Final		
Disk Format Network Mapping	Version:				
Ready to Complete	Vendor:				
	Publisher:	No certificate present			
	Download size:	1.3 GB			
	Size on disk:	1.4 GB (thin provisioned) 8.0 GB (thick provisioned)			
	Description:				
			< Back	Next >	Cancel
擇更健友虛擬機哭的	和應儲存,然後	<u> 後按一下下一步繼續</u>			
了手女哺行迴尿饭帽口					
Name and Location Specify a name and locat	ion for the deployed temp Name:	Deploy OVF Template			
Name and Location Specify a name and locat Source OVF Template Details Name and Location Disk Format Network Mapping Ready to Complete	ion for the deployed temp Name: CSR 1000V-16.06.04 The name can contain	Deploy OVF Template plate -CSPC-NAT-Router-Final n up to 80 characters and it must be	e unique within the ir	nventory folde	er.
Name and Location Specify a name and locat Source OVF Template Details Name and Location Disk Format Network Mapping Ready to Complete	ion for the deployed tem Name: CSR1000V=16:06:04 The name can contain	Deploy OVF Template plate CSPC-NAT-Router-Final n up to 80 characters and it must be	e unique within the ir	nventory folde Next >	er.
Name and Location Specify a name and locat Specify a name and locat Source OVF Template Details Name and Location Disk Format Network Mapping Ready to Complete C 一下下一步繼續	ion for the deployed tem Name: CSR1000V-16.06.04 The name can contain	Deploy OVF Template plate -CSPC-NAT-Router-Final n up to 80 characters and it must be	e unique within the ir	nventory folde Next >	er. Cancel
Name and Location Specify a name and locat Specify a name and locat Source OVF Template Details Name and Location Disk Format Network Mapping Ready to Complete	tion for the deployed tem Name: CSR 1000V-16.06.04 The name can contain	Deploy OVF Template plate CSPC-NAT-Router-Final n up to 80 characters and it must be Deploy OVF Template	e unique within the ir	nventory folde Next >	er. Cancel
Ame and Location Specify a name and locat Specify a name and locat Source OVF Template Details Name and Location Disk Format Network Mapping Ready to Complete	ion for the deployed tem Name: CSR1000V=16:06.04 The name can contain want to store the virtual of	Deploy OVF Template plate CSPC-NAT-Router-Final n up to 80 characters and it must be Deploy OVF Template disks?	e unique within the ir	nventory folde	er. Cancel
Name and Location Specify a name and locat Source OVF Template Details Name and Location Disk Format Network Mapping Ready to Complete Disk Format In which format do you w	tion for the deployed tem Name: CSR1000V-16.06.04 The name can contain want to store the virtual of Datastore:	Deploy OVF Template plate FCSPC-NAT-Router-Final n up to 80 characters and it must be Deploy OVF Template disks? [datastore 1 (4)	e unique within the ir	nventory folde	er. Cancel
Name and Location Specify a name and locat Specify a name and locat Specify a name and locat OVF Template Details Name and Location Disk Format Network Mapping Ready to Complete Disk Format In which format do you w Source OVF Template Details Name and Location Disk Format In which format do you w	ion for the deployed tem Name: CSR 1000V=16.06.04 The name can contain The name can contain Datastore: Available space (GB	Deploy OVF Template plate CSPC-NAT-Router-Fina n up to 80 characters and it must be disks? datastore 1 (4) 1): 2644.6	e unique within the ir	nventory folde Next >	er.
Name and Location Specify a name and locat Source OVF Template Details Name and Location Disk Format Network Mapping Ready to Complete Disk Format In which format do you were Source OVF Template Details Name and Location Disk Format In which format do you were	ion for the deployed tem Name: CSR1000V=16:06.04 The name can contain The name can contain Obtastore: Available space (GB (Thick Provision	Deploy OVF Template plate CSPC-NAT-Router-Final n up to 80 characters and it must be disks? Deploy OVF Template disks? Lazy Zeroed	e unique within the ir	nventory folde	er.
Name and Location Specify a name and locat Source OVF Template Details Name and Location Disk Format Network Mapping Ready to Complete Cー下下一步繼續 Oisk Format Disk Format In which format do you w Source Oisk Format In which format do you w Source Disk Format In which format do you w	ion for the deployed tem Name: CSR 1000V-16.06.04 The name can contain Want to store the virtual of Datastore: Available space (GB C Thick Provision C Thick Provision C Thick Provision	Deploy OVF Template plate CSPC-NAT-Router-Fina n up to 80 characters and it must be disks? Deploy OVF Template disks? Lazy Zeroed Eager Zeroed	e unique within the ir	nventory folde Next >	er.

10. 對映網路使用情況,然後按一下**Next**。

Network Manning	Deploy OVF Te	mplate L	
What networks should t	he deployed template use?		
Source			
OVF Template Details	Map the networks used in this OVF temp	late to networks in your inventory	
Disk Format	Source Networks	Destination Networks	
Network Mapping	VM Corporate Network	VM Corporate Network	
Ready to Complete	VM PrivateNetwork	VM Private Network	
	Description:		
	The VM Corporate Network network		
	,		

11. 選擇Poweron after deployment, 然後按一下Finish

Source OVF Template Details	When you click Finish, the deployment task will be started.					
Name and Location Disk Format Network Mapping Ready to Complete	Deployment settings: OVF file: Download size: Size on disk: Name: Host/Cluster: Datastore: Disk provisioning: Network Mapping: Network Mapping:	http:// 8080/workspace/CSR1000V-NAT/16.06.04/CSR1000V-16.06.04-CSPC-NAT-Router-Final 1.3 GB 8.0 GB CSR1000V-16.06.04-CSPC-NAT-Router-Final localhost. detastore1 Thick Provision Lazy Zeroed "VM Corporate Network" to "VM Corporate Network" "VM Private Network" to "VM Private Network"				
	< Power on after deployment					

2	C	Deplo	oyme	nt Com	pleteo	d Succes	ssfully	-		x
D	epl	oying	CSR 10	0V-16.0	6.04-CSF	C-NAT-Ro	outer-Fina	il i		
C	om	pleted	Succes	sfully						
									Close	2

成功安裝OVA後,您必須配置CSR1000V CSPC NAT OVA。

要配置CSR1000V CSPC NAT OVA,請執行以下操作:

1. 拍攝舊Pfsense的快照並關閉舊Pfsense VM。



 按一下右鍵新的CSR1000V VM,然後選擇Open Console。路由器啟動並運行後,按Enter鍵 。導航至路由器的控制檯模式。

File View VM
Copyright (c) 1986-2018 by Cisco Systems, Inc.
Compiled Sun 08-Jul-18 04:30 by mcpre
*Aug 2 11:20:52.561: %SSH-5-ENABLED: SSH 1.99 has been enabled
*Aug 2 11:20:52.571: %CRYPTO-6-ISAKMP_ON_OFF: ISAKMP_is OFF
*Aug 2 11:20:52.571: %CRYPTO-6-GDOI_ON_OFF: GDOI is OFF
⊯Aug 2 11:20:54.075: %LINX-5-CHANGED: Interface GigabitEthernet3, changed state
to administratively down
#Aug_2 11:20:55.212: %UMAN-5-PACKAGE_SIGNING_LEVEL_ON_INSTALL: F0: vman: Pack
age 'iosxe-remote-mgmt.16.06.04.ova' for service container 'csr_mgmt' is 'Cisco
signed', matches signing level cached on original install, signing level allowed
is 'Cisco signed'
*Aug 2 11:20:55.281: #VIRT_SERVICE-5-INSTALL_STATE: Successfully installed virt
ual service csr_mgmt
MAUG 2 11:20:55.290: #ONEP_BASE-6-SS_ENABLED: ONEP: Service set Base was enable
d by Default
#Aug 2 11:20:58.413: #PNP-6-PNP_DISCOVERY_STOPPED: PnP Discovery stopped (Start
up Config Present)
#Aug 2 11:21:01.096: #LINR-3-UPDOWN: Interface GigabitEthernet1, changed state
to up
*Hug 2 11:21:01.167: *LINK-3-UPDUWN: Interface GigabitEthernet2, changed state
Hug 2 11:21:02.097: %LINEPROID-5-OPDOWN: Line protocol on Interface GigabitEth
erneti, changed state to up
Hug 2 11:21:02.160: #LINEPROID-5-UPDUAN: Line protocol on Interface Gigabiteth
ernetz, changed state to up

 在路由器控制檯模式下,輸入en,然後按Enter鍵,並提供預設密碼XXxxXX(如需預設密碼 ,請與CSPC支援部門聯絡)。

H > Co Co Control of the control of th

4. 輸入conf t,它會導航到路由器的配置終端模式。

5. 進入int gi1, 導航到wan介面配置模式。(提供IP地址和網路掩碼)

```
ip address <ipaddress> <netmask>
no shutdown
exit
```

6. 在配置模式下提供預設網關和預設路由,然後退出並儲存配置。

```
ip default-gateway <gateway IP>
ip route 0.0.0.0 0.0.0.0 <IP>
exit
```

wr mem
CSR1000V#
CSR1000V#conf t
Enter configuration commands, one per line. End with CNTL/Z.
CSR1000V(config)#int gi1
CSR1000V(config-if)#ip address
CSR1000V(config-if)#no shutdown
CSR1000V(config-if)#exit
CSR1000V(config)#ip default-gateway
CSR1000V(config)#ip route 0.0.0.0 0.0.0.0
CSR1000V(config)#exit
CSR1000V#wr mem
Building configuration
[OK]
CSR1000V#_

- 7. 要驗證配置,請使用命令sh run
- 8. CSR1000V路由器配置了IP,並可從WEB UI訪問。通過URL http://<IP Address>和使用者名 稱*root*和密碼XXxxXX登入WEB UI(有關密碼,請與CSPC支援部門聯絡,CLI和UI將具有相 同的密碼)。



附註:此CSRV Nat路由器OVA只能從ESXI控制檯或CLI使用telnet從專用網路VM訪問。 (您需要使用CLI登入到CSPC或該主機上的其他VM,並遠端登入到CSR1000V IP或 192.168.1.1)

sh collectorlogin@......... CSP Collector Please use below url to access CSP Collector appliance GUI IPv4 URL : https://ll ************ Password: Warning: your password will expire in 87 days Last login: Thu Aug 2 17:31:24 2018 from 10 107 155 166 ****** [collectorlogin@msda172 ~]\$ telnet _____ Connected to Trving Escape character is '^]'. User Access Verification Username: root Password: CSR1000V# CSR1000V# 在CSRV1000V路由器上完成配置後,您將能夠從CLI和UI訪問CSPC和其他VM。

CSR1000v升級

要升級CSR1000V,請執行以下步驟:

- 1. 在bootflash下將新的CSR1000v系統映像(xxx.bin)獲取到CSR1000V VM:目錄。
- 2. 執行dir bootflash:命令檢視bootflash中所有檔案和目錄的清單。 範例:Router# dir bootflash:
- 3. 運行configure terminal命令以進入全域性配置模式。
 - 範例:

Router#configure terminal

Router(config)#

4. 運行no boot system命令以刪除可引導映像清單中的所有條目。指定下次系統重新載入或電源 重啟時,路由器嘗試載入系統映像的順序。

範例:Router(config)# no boot system

5. 在下一次系統重新載入或電源重啟後,運行boot system bootflash:<system-image-filename> .bin 命令載入新的系統映像。例如:

範例: Router(config)# boot system

bootflash:<system-image-filename>.bin

6. 運行exit命令退出全域性配置模式

範例:

Router(config)# exit

Router#

- 7. 運行write或write memory命令以更新bootflash磁碟上可用映像的GRUB選單清單。 範例:Router#
- 8. 運行show version命令以顯示配置暫存器設定。

範例:

Router# show version

```
Cisco IOS XE16.06.04
```

```
• • •
```

Cisco Internetwork

• • •

• • •

0x2102

Router#

- 如果步驟8中上述輸出的最後一位數字在配置暫存器為0或1,則繼續下一個步驟10。如果配置 暫存器中的最後一位數字在2和F之間,則繼續步驟<u>13</u>。
- 10. 運行configure terminal命令以進入全域性配置模式。

```
範例:
```

```
Router#configure terminal
```

```
Router(config)#
```

11. 運行config-register 0x2102命令以設定配置暫存器,以便在下次系統重新載入或重新啟動後 ,路由器從啟動配置檔案中的boot system命令載入系統映像。

範例:Router(config)# config-register 0x2102

12. 運行exit命令退出全域性配置模式

範例:

```
Router(config)# exit
```

Router#

13. 運行copy running-config startup-config命令將運行配置複製到啟動配置。

範例:Router# copy running-config startup-config

- 14. 運行write memory命令以更新bootflash磁碟上可用映像的GRUB選單清單。 範例:Router#
- 15. 運行reload命令以重新載入作業系統。 範例:Router#
- 16. 當系統提示儲存系統配置時,輸入no 範例:

[/]:

17. 當系統提示確認重新載入時,輸入y

範例:

[] y

18. 運行show version命令以驗證路由器載入了正確的系統映像:

範例:

```
Router# show version
Cisco IOS XE16.09.02
Cisco IOS[Fuji],.....
ROM
bootflash:csr1000v-xxx
```

```
•••••
```

CIMC補丁安裝

- 1. 以管理員身份登入收集器裝置
- 2. 要檢查CIMC的更新,請執行以下命令:

#checkcimc

3. 要下載CIMC補丁程式,請在以下命令(M3伺服器)下執行: #download jeos-101.0.3-0-1nx64 4. 要下載CIMC補丁程式,請執行以下命令(M4伺服器):

#download jeos-101.0.4-0-lnx64

- 5. 要檢查下載狀態,請執行以下命令: #show download
- 6. 將修補程式下載到/opt/LCM/tmp後,解壓該修補程式,並按照Read_me_CIMC_3.0(4i)。docx中 的說明操作

NOS設定器

nos_configuration的安裝順序

附註:這僅適用於NOS。

本節介紹如何在CSPC 2.8上安裝nos_configure_2.8,以及如何針對NOS特定功能配置CSPC。

附註:NOS配置器、RI附加應該手動安裝,它們位於\$CSPCHOME/installer/manual資料夾中。

在CSPC 2.8中,沒有對nos配置器的更新。因此,您可以遵循以下相同步驟。

附註:這僅適用於新的nos安裝。

它執行以下任務:

- 1. 安排作業以執行NOS功能
 - 計畫以下作業:
 - 每週清單作業
 - •每日上傳作業
 - •每日DAV作業
 - 每日運行狀況上載作業
- 2. 新增依賴關係規則以維護資料一致性

按照以下步驟在CSPC 2.8上安裝nos_configure_2.8:

- 1. 終端登入到CSPC裝置
- 2. 導覽至path^{\$CSPCHOME/installs/manual}
- 3. 解壓縮檔案nos_configurer_2.8.zip
- 4. 在解壓縮時,會建立一個名為nos_configurer_2.8的資料夾
- 5. 輸入以下命令:
 - 1.cd nos_configuration_2.8

附註:您可以安裝安裝程式,無需提供以上三個可選引數。這將安裝預設值為1、23和 23的支援安裝程式。 在上面的示例中:

1..7 =星期日至星期六

1...23 = 一天中的小時。

- 6. 觸發上述命令時,將提示使用者確認。相應提供它們。
 - 1. 是否要取消安裝並使用其他引數重新運行?輸入Y或N:(y/n)?否
 - 2. 是否要取消安裝並使用不同的計畫日期和時間重新運行?輸入Y或N:(y/n)?否
 - 3. 是否要立即安排運行狀況作業輸入Y或N:(y/n)?Y
 - 4. 是否要立即計劃清單/DAV/上傳作業輸入Y或N:(y/n)?Y
 - 5. 重新啟動伺服器以確保清單未運行。是否要繼續? 輸入Y或N:(y/n)?否

附註:您可以選擇立即或稍後安排作業。

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)。