CER證書到期和刪除

目錄

<u>簡介</u> <u>必要條件</u> <u>需求</u> <u>採用元件</u> <u>生成新證書</u> 刪除過期的證書

簡介

本文檔描述接收CertExpiryEmergency的Cisco Emergency Responder(CER)的一個問題:CLI中發出Certificate Expiry EMERGENCY_ALARM警報消息並提供該問題的解決方案。

必要條件

需求

思科建議您瞭解CER 2.x至9.x版。

此外,此配置要求您的系統:

- 不包含域名伺服器(DNS)配置
- 已安裝CER伺服器和即將到期的證書

附註:如果在更改主機名或IP地址後輸入**Generate New**或**Regenerate**命令,則系統的IP地址 並不重要。

採用元件

本文檔中的資訊基於CER 9.x版。

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。如果您的網路正在作用,請確保您已瞭解任何指令可能造成的影響。

生成新證書

1. 轉到「作業系統(OS)管理」頁中的GUI,然後選擇安全>證書管理頁。



his product contains cryptographic features and is subject to United States and local country laws poverning import, export, transfer and use. Delivery of Cisco cryptographic products

2. 若要顯示憑證清單,請按一下Find按鈕。

alialia Cisco Unified Operating System Administration			Navigation Cisco Unified OS Administration - Go	
For Cisco Unified Com	nunications Solutions		CERAdministrator S	earch Documentation About Logo
how - Settings - Security - Sotty	vare Upgrades 👻 Services 👻 Help 👻			
ertificate List				
🜏 Generate New 🐴 Upload Certificati	a/Certificate chain 🔋 Generate CSR			
Status				
ararna.				
4 records found				
4 records found				
4 records found Certificate List (1 - 4 of 4)				Rows per Page 50
4 records found Certificate List (1 - 4 of 4) Find Certificate List where File Name	• begins with •	Find	ilear filter 🕀 😑	Rows per Page 50
4 records found Certificate List (1 - 4 of 4) find Certificate List where File Name Cartificate Name	▼ begins with ▼ Certificate Type	Find C	ilear Filter] (\$) [=] .DER File	<i>Rows per Page</i> 50 Description
4 records found Certificate List (1 - 4 of 4) Find Certificate List where File Name Cartificate Name tomcat	begins with Certificate Type certs	Find C .PEM File tomcat.cem	ilear filter 🕀 📼 .DER file tomcat.der	Rows per Page 50 • Description
4 records found Certificate List (1 - 4 of 4) Find Certificate List where File Name Cartificate Name cartificate Name cartificate Name	begins with Certificate Type certs	Find C .PEM File tomost.pem ipssc.pem	ilear Filter] 🗇 😑 .DtR. File tomcat.der ipsec.der	Rows per Page 50 • Description
4 records found Certificate List (1 - 4 of 4) Find Certificate List where File Name Cartificate Name tomcat ipsec tomcat-trust	begins with Certificate Type certs trust-certs	Find C .PEM File tomcat.pem ipsc.pem CER861.pem	lear Filter 🕀 📼 .DER File tomcat.der issec.der CER861.der	Rows per Page 50 • Description Trust Certificate

此熒幕擷取顯示tomcat.pem憑證,並高亮顯示Validity日期。如果證書即將過期,請完成以下 幾個步驟。



3. 導航到上一頁,然後點選Generate New圖標。此螢幕會彈出:

alude Cisco Unified Operating System Administration		nistration	Navigation Cisco Unified OS Administration 👻 Go	
CISCO For Cisco Unified C	ommunications Solutions		CERAdministrator Search Documentation About	Logout
Show - Settings - Security -	Software Upgrades 🔻 Services 👻 Help 🤻	•		
Certificate List				
Generate New 🖓 Upload Cer	tificate/Certificate chain 🧕 Generate CSR			
Status		Generate C	Certificate - Mozilla Firefox	
4 records found		A https://10	0.201.192.236/8443/cmplatform/certificateGenerate.do	
		Generate C	Certificate	
Certificate List (1 - 4 of 4)		General	a New The Close	
Find Certificate List where File Na	me + begins with +	0		
Certificate Name	Certificate Type	_ Status		
torncat	certs	tomcat.pe	Paade	
ipsec	certs	ipsec.pem	si keedy	
tomcat-trust	trust-certs	CER861.p	Cartificate	
ipsec-trust	trust-certs	CER861.p	New 1	
Generate New Upload Certi	ficate/Certificate chain Generate CSA	Certificate	Name* tomcat	
			ipsec	
		- Generati	te New Close	
		(i) • inc	dicates required item.	

4. 若要重新生成證書,請在彈出視窗中按一下Generate New。系統會顯示成功訊息,以通知憑 證已重新生成。

Cisco Unified Operating System Administration For Cisco Unified Communications Solutions		Tation Navigation Cisco Unified OS Administration V Go CERAdministrator Search Documentation About Logout		
Show - Settings - Security - Sot	tware Upgrades + Services + Help +			
Certificate List				
🜏 Generate New 🐴 Upload Certific	ate/Certificate chain 🔋 Generate CSR			
Status		🕘 Generate Certificate - Mozilla Firefox		
		https://10.201.192.236:0443/cmplatform/certificateGenerate.do		
		Generate Certificate		
Certificate List (I - 4 of 4)		Generate New (T) Close		
Find Certificate List where File Name	▼ begins with ▼			
Certificate Name	Certificate Type	Status		
tomcat	certs tor	most os Success: certificate generated. Perform a Disaster Recovery backup so the latest back		
ipsec	certs ips	em U contains the generated certificate.		
tomcat-trust	trust-certs CE	ER861.p		
ipsec-trust	trust-certs CI	Cenerate Certificate		
Generate New Upload Certificate/Certificate chain Generate CSR		Certificate Name* torncat +		
		- Generate New Close		

5. 必須重新啟動Tomcat或Internet協定安全(IPSec)服務(如果已重新生成IPSec證書)。 若要重 新啟動Tomcat,請開啟該節點的CLI並輸入**utils service restart Cisco Tomcat**命令。頁面重新 聯機後,網頁會提示下載新證書。

刪除過期的證書

有關證書刪除的重要說明:

- 確保設定為刪除的證書不再使用或已實際過期。
- •請始終檢查證書中的所有資訊,因為刪除後無法儲存這些資訊。

檢查所有使用.pem擴展的證書,確認它們都位於有效時間範圍內。如果不是,則可以將它們刪除。

如果群集中有多台伺服器,則必須轉到每台伺服器的IP地址。然後,在OS Admin頁面中,您可以完成Configure部分中列出的步驟。