在CVOS系統中配置CA簽名的多伺服器主體替代 名稱

目釤	₹		
<u>簡介</u>			
<u>必要條</u>	<u>件</u>		
<u>需</u> 求			
<u>採月</u>	<u> 元件</u>		
<u>背景資</u>	訊		
<u>設定</u>			
<u>驗證</u>			
<u>疑難排</u>	<u>解</u>		

簡介

本文說明如何使用具有發佈者 — 訂閱者架構模型的證書頒發機構(CA)簽名的多伺服器使用者替代 名稱(SAN)來設定思科語音作業系統(CVOS)系統集群。CVOS系統涵蓋UCCE環境中的CUIC、 Finesse、Livedata和IdS系統。

作者: Venu Gopal Sane, Ritesh Desai Cisco TAC工程師。

必要條件

需求

思科建議您瞭解以下主題:

- 思科整合客服中心企業版(UCCE)版本v12.5
- 思科套裝客服中心企業版(PCCE)版本v12.5
- Cisco Finesse v12.5
- 思科整合情報中心v12.5

採用元件

本文檔中的資訊基於CVOS作業系統管理 — 證書管理。

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。

背景資訊

對於多伺服器SAN證書,只需為一個節點群集的CA簽署一個CSR,而不是要求從群集的每個伺服器

節點獲取CSR,然後為每個CSR獲取一個CA簽署的證書並分別對其進行管理。

嘗試此組態之前,請確保這些服務已啟動且功能正常:

- Cisco Tomcat服務
- 思科憑證變更通知
- Cisco Certificate Expiry Monitor

設定

步驟1. 登入作業系統(OS)管理, 然後導覽至安全>憑證管理>產生CSR, 如下圖所示。

Centrate List	× +						- 0 K
€ → × ▲ 14	microsoft and a second in the	6443/impletore	(set) for	Finalistida			* 0 :
III Apps 11 UCCL-Ad	rinvestion 📃 Agent Deditop						
Office Cisco Unified Operating System Administration For Case Unified Communications Solutions							Case unified (2) Administration V Ge administration V About V Copied
Show w. Satistys w. Sat	unty w Software Lipprates w Sammer	* 1949 *					
Certificate List	TAKE RECEIPTION OF THE RECEIPTION	0000000		1			
Garanda Balt agreed	🕤 Uphan Carllenia Carllana (har 🚺	L Lanarda C.S.B	R	(C)			
Certificale List (2	11 of 11)						Bases per Pape 10 V
Pint Certificate List where	Common Name V containe V c	vit	10	ind Charfilter 🔶 🚥			
Cartificate *	Common fearre	7,04	10,700	Detribution	lanual By	Barrese.	Description
AUCO AUCO Intelligencecenter-gran Intelligencecenter-gran gent BODS South Tamoda Tamoda Fold Tamoda Fold Tamoda Fold Tamoda Fold Tamoda Fold	AUTOR: consultation attraction of consultation attraction of attractive attraction of consultation attraction of consultation attraction of particulation attraction of the particulation of particulation of partic	Set-speet Set-speet Set-speet Set-speet Set-speet Set-speet Set-speet Set-speet	454 854 854 854 854 854 854 854 854 854	патодобба изгоресном патодобба изгоресном патодобба изгоресном патодобба изгоресном патодобба изгоресном патодобба изгоресном патодобба изгоресном патодобба изгоресном патодобба изгоресном патодобба изгоресном	AUTHOL, conceptible attropper one computible attropper one	16/22/2607 96/96/2625 98/96/2625 98/96/2625 96/96/2625 96/26/2622 96/26/2622 96/26/2622 96/26/2622 96/26/2622	Self-signed certificate generated by system Self-signed certificate generated by system Self-signed certificate generated by system Trust Certificate Self-signed certificate generated by system Self-signed certificate generated by system thrust Certificate Trust Certificate Trust Certificate Trust Certificate Trust Certificate
Generate Self-signed	Optional Cartofication/Cartoficate share 0	interate CSR					

步驟 2.選擇Multi-Server SAN in Distribution。 它會自動填充SAN域和父域。

63:	Generate Certificate Signing Req	iest - Google	e Chrome
Not secure	cuicpub90a.stooges.icm:8443/cmplatform/certifica	teGenerateN	ewCsr.do
Status			
G Success: Cert	tificate Signing Request Generated		
CER mand a	earthing successful on the order faulterub00s starses	in allerabor	th standard (see]
U CSK EXPORT O	peration successful on the nodes [culcpub90a.stooges	icm, cuicsubau	o.stooges.icm].
Generate Certific	cate Signing Request		
Certificate	tomcat	~	
Distribution*	Multi-server(SAN)	•	
Common Name*	cuicpub90a-ms.stooges.icm		
Subject Alternat	e Names (SANs)		
Auto-populated	cuicpub90a.stooges.icm, cuicsub90b.stooges.icm		
Contains			
Parent Domain	stooges.icm		
Other Domains		-	Choose file No file chosen
		P	lease import .TXT file only.
		n	or more information please refer to the otes in the Help Section
		-	
			Add
Key Type **	RSA		
ney type	2048	-	
Key Length*		the second s	

步驟 3.成功生成CSR顯示以下消息:

0	Generate Certificate Signing Request - Google Chrome	_	3
A Not secure cuicpub90a.	stooges.icm:8443/cmplatform/certificateGenerateNewCsr.do		
Status Success: Certificate Signin CSR export operation succ	ng Request Generated cessful on the nodes [cuicpub90a.stooges.icm, cuicsub90b.stooges.icm].		

步驟 4.成功產生CSR後,此處可以看到產生的CSR,可以下載到CA進行簽名。

Centrale List	× +								0 X
6 + C AN	et secore cuicpub/90s.mooges.ion	5443/vmplatform	VietSole	findListala				*	θ:
10 Appa 11 UCCE-Au	ninimiston 🔝 Agent Dealtrip								
cisco U Fer Oscalde	nified Operating System that Communications Solutions	n Administ	tration	8		Rangeton	Oscia umilled OS Administration administration	About	V Go
Shaar - Safarya - Sat	unty + Suffrare Lippedes + Services	+ Hep +			1				
Certificate List			-	1850					
Garwaha Salt-agrad	Bana concercence an I	Generate CER	a Deser	INFE CSR					
12 records hourd									
Continue Line (2	- 12 of 13)			10			Are	a per Pag	10 V
First Cartificate List schure	Constant Name V Contains		1.0	ind Caarfilter 🌵 🚥					
Carthuate *	Communitaria	Non.	ANY TYPE	Deributer	interface	Gapineter	Georges		
auth2 intelligencecenter-pro- intelligencecenter-pro- genet igent-front	AUTH Annual Hautenet um narmällis dienet um narmällis dienet um narmällis dienet um narmällis dienet um	Self-spred Self-spred Self-spred Self-spred Self-spred	RSA RSA RSA RSA RSA	curputete storges con nucquitete storges con curputete storges con nucquitete storges con nucquitete storges con	AUTH2_curput#56 attropes.cm tutrput#56 attropes.cm tutrput#56 attropes.cm tutrput#56 attropes.cm tutrput#56 attropes.cm	35/22/2037 09/06/2025 09/06/2025 08/19/2025 08/19/2025	Lef-spred certificate perers Sef-spred certificate perers Sef-spred certificate perers Daf-spred certificate perers Dat-spred certificate	ted by syst ted by syst ted by syst ted by syst	
REAL PROPERTY AND INCOME.	Eacedable maintainea.um	CSR ONly	R1A	Multi-server(\$48)		-			
tesal	CONTRACTOR OF CONTRACTOR	Tel-spiel	RSA.	corpublica shorper-con	turpubéda stropes-om	08/20/2022	Bet-signed certificate periora	led by syst	initi
tomost-ECES4	calculation 25 addresses.com	Self-signed	HC .	nampabilite.stonpes.iom	marputride-2C.stoopes.cm	06/30/2032	Self-signed sertificate person	led by syst	am
forwar-truit	Database and the states and	Set-spiel	RSA	curcaub905.stooges.ion	CALE-6905-Strepet-CH	08/35/2022	Trust Certificate		
timest-trust	termatics EC. datema.cm	Tabaiprad	R.	cumpublica.storpas.com	exception ecutioner.com	08/20/2022	Trust Certificate		
torest-true	mouse advects advects or	Sef-signed	ASA	curopybrille stoopes.cm	macpublica atoopes.cm	08/20/2022	Rysz Certificate		
toreal-built	Louisak ROL IS. alumna. 121	Selepted	BC.	Randa de Bolla de La galera com	FUELD/DOB-DC.MUSQ48.UM	08/36/2032	True Certificate		

Generate lief-signed | Uplied Certificate/Certificate chain | Generate CSR | Download CSR

步驟 5.將CA簽名的證書作為型別tomcat上傳到證書管理頁面中群集的發佈伺服器節點,並按照成功 上傳時顯示的說明執行操作。

Oploa	d Certificate/Certificate chain - Google Chrome	×							
A Not secure cuicpub90a.stooges.icm:8443/cmplatform/certificateUpload.do									
Upload Certificate/Certific	ate chain								
Upload 🖳 Close									
Status Certificate upload opera cuicpub90a.stooges.icm Restart the node(s) usin If SAML SSO is enabled, Upload Certificate/Certific	tion successful for the nodes cuicsub90b.stooges.icm. g the CLI command, "utils system restart". regenerate the SP metadata and upload it on the IDP serve ate chain	ır.							
Certificate Purpose*	tomcat 🗸								
Description(friendly name) Self-signed certificate									
Upload File	Choose file No file chosen								
Upload Close	ım.								

步驟 6. 成功上傳檔案後,驗證證書清單,該清單將新的CA簽名證書顯示為多種SAN型別。

8 Comercia A		
+ + C (A hit store) aspettikationgeramiliki/impiritumite	🕹 Cettore Draw CA uped - Googe Deans 🗎 - 🗷 🛋 👌	0 1
III Appa 📕 ACCLARATIONARIAN 📕 Agent Lating	A Retarius augusticationpo.com/ACL/nytoitum/subbind/Activation/host/parts.	
clock Cinco Unified Operating System Administration	nation	e de la constante
Boort & Balage & Source & Belleve Supreme & Service & Tale #		
Certificate List	1 MAA	
😥 Concern Sall agent 🏹 taxaat Conference Conference and 💷 Concern 201	() Peter Peet	
Band an (1) St I manufactured (2 - 20 and 200)	Leady introduct (0.552) Ala Sares termination Definition August Sares Definition Sares Definitione	taun in 💌
Lockbash Lockbash	And the set of the set	142.44
the law of the state of the state of the	Dite. B.19 mt. C. SANDA SCHME. SCHME SHITH. D. SCOT B DE	-

按一下新的多SAN證書,驗證SubjectAltNames顯示所有群集節點的域名和FQDN。

驗證

使用本節內容,確認您的組態是否正常運作。

登入到Subscriber節點的cmplatform頁面,並驗證使用<u>http://<any-node-fqdn>:8443/cmplatform填充</u> <u>了同一多SAN證書。</u>

疑難排解

本節提供的資訊可用於對組態進行疑難排解。

從CLI存取收集這些憑證管理記錄檔,並使用Cisco TAC開啟案例:file get activelog platform/log/cert*

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)。