在RV320和RV325 VPN路由器上配置我的證書

目標

證書用於驗證個人或裝置的身份、驗證服務或加密檔案。在RV320上,您可以通過自簽名或第 三方授權新增最多50個證書。您可以匯出客戶端或管理員的證書,並將其儲存在PC或USB裝 置上,然後匯入該證書。

本文檔的目的是向您展示如何在RV32x系列VPN路由器上選擇主要證書、匯出證書和匯入證書 。

適用裝置

·RV320 Dual WAN VPN路由器 · RV325 Gigabit Dual WAN VPN路由器

軟體版本

·v1.1.0.09

我的憑證

步驟1.登入到Web配置實用程式,然後選擇**Certificate Management > My Certificate**。*My Certificate*頁面隨即開啟:

My Ce	My Certificate						
My Cer	tificate Table						
Used	Туре	Subject	Duration	Details	Export		
۰	Self-Signed	CN=6c:20:56:c6:16:52 OU=RV320	From: 2013-Apr-08 To: 2023-Apr-06	3	<u>e</u> e 🔍		
0	Certificate Signing Request	CN=com OU=so		0 II	CSR		
0	Self-Signed	CN=jwdnkf OU=jdnd	From: 2013-Apr-29 To: 2013-May-29	Ĩ	<u>e</u> <u>e</u>		
Add	Add Delete Select as Primary Certificate						

有兩種型別的證書:

·自簽名 — 由自己的建立者簽名的安全套接字層(SSL)證書。此型別不太安全,因為如果攻擊 者入侵了私鑰,則無法取消此型別。

·證書簽名請求 — 傳送到證書頒發機構以申請數位身份證書的公鑰基礎架構(PKI)。它比自簽 名更安全,因為私鑰是保密的。

步驟2.從My Certificate Table中按一下所需的單選按鈕以選擇證書。

步驟3.按一下Select as Primary Certificate,將所選憑證作為主要憑證。

步驟4.(可選)要檢視有關證書的詳細資訊,請按一下Details圖示。

My Ce	My Certificate					
My Cer	rtificate Table					
Used	Туре	Subject	Duration	Details	Export	
۰	Self-Signed	CN=6c:20:56:c6:16:52 OU=RV320	From: 2013-Apr-08 To: 2023-Apr-06		<u> </u>	
0	Certificate Signing Request	CN=com OU=so		0 II	CSR	
0	Self-Signed	CN=jwdnkf OU=jdnd	From: 2013-Apr-29 To: 2013-May-29	Ĩ	<u> </u>	
Add	Add Delete Select as Primary Certificate					

Certificate Details視窗開啟:

Certificate Details	
Certificate Information	
Version:	3
Serial Number:	D8 AF 62 26 26 36 5D D1
Subject Information	
Subject:	CN=6c:20:56:c6:16:52 OU=RV320 O=Cisco Systems, Inc. L=Irvine C=US ST=Califomia
Public Key Algorithm:	rsaEncryption -
Subject Key Identifier:	2D E3 89 6D FC 43 76 2B AF 1D AC 2B F1 EB 11 D3 19 FE AD 63
Issuer Information	
Issuer:	CN=6c:20:56:c6:16:52 OU=RV320 O=Cisco Systems, Inc. L=Irvine C=US ST=Califomia
Valid From:	Apr 8 19:12:48 2013 GMT
Valid Through:	Apr 6 19:12:48 2023 GMT
Signature Algorithm:	sha1WithRSAEncryption
Authority Key Identifier:	2D E3 89 6D FC 43 76 2B AF 1D AC 2B F1 EB 11 D3 19 FE AD 63
Fingerprint:	33 C4 E6 40 7D DD 1F 44 32 57 18 A9 AA D1 66 FB 5A B2 CD 36
	Close

步驟5.(可選)若要刪除憑證,請按一下您要刪除的憑證的單選按鈕,然後按一下**Delete**。 步驟6.按一下**Save**以儲存設定。

匯出自簽名證書

步驟1.在Export列中按一下所需的圖示按鈕以匯出自簽名證書。

Му Се	/ly Certificate						
My Cer	tificate Table						
Used	Туре	Subject	Duration	Details	Export		
•	Self-Signed	CN=6c:20:56:c6:16:52 OU=RV320	From: 2013-Apr-08 To: 2023-Apr-06	6			
0	Certificate Signing Request	CN=com OU=so			CSR		
0	Self-Signed	CN=jwdnkf OU=jdnd	From: 2013-Apr-29 To: 2013-May-29	10	<u>►</u> <u>►</u> ? <u><</u>		
Add	Add Delete Select as Primary Certificate						

可用的圖示按鈕定義如下:

·匯出客戶端證書 — 匯出用於將客戶端連線到虛擬專用網路(VPN)的客戶端證書。

·匯出管理員證書 — 匯出管理員證書。生成私鑰並保留副本以供備份。

·匯出私鑰 — 匯出VPN客戶端軟體的私鑰,該軟體需要單獨的VPN連線憑證。

步驟2.按一下Open以檢視金鑰。

步驟3.按一下Save以儲存金鑰。

匯出證書簽名請求

步驟1。按一下CSR(Export Certificate Signing Request)。

My Ce	My Certificate						
My Ce	rtificate Table						
Used	Туре	Subject	Duration	Details	Export		
0	Self-Signed	CN=6c:20:56:c6:16:52 OU=RV320	From: 2013-Apr-08 To: 2023-Apr-06	- a	<u>e</u> <u>e</u> <u>s</u>		
•	Certificate Signing Request	CN=com OU=so			CSR		
0	Self-Signed	CN=jwdnkf OU=jdnd	From: 2013-Apr-29 To: 2013-May-29	10	N		
Add	Add Delete Import Signed CSR						

步驟2.按一下「Open」以檢視。

步驟3.按一下Save將金鑰儲存到您的PC或USB上。

匯入證書

步驟1。按一下Add以匯入憑證。

My Ce	ertificate					
My Cer	My Certificate Table					
Used	Туре	Subject	Duration	Details	Export	
0	Self-Signed	CN=6c:20:56:c6:16:52 OU=RV320	From: 2013-Apr-08 To: 2023-Apr-06		<u>e</u> er	
•	Certificate Signing Request	CN=com OU=so			CSR	
0	Self-Signed	CN=jwdnkf OU=jdnd	From: 2013-Apr-29 To: 2013-May-29		<u>•</u> • •	
Add	Delete Import Signed C	SR				

出現以下視窗:

My Certificate				
In the second				
O Self-Signed				
Import Full Certificate Set				
Import from PC				
CA Certificate: Choose File No file chosen	(PEM format)			
Certificate + Private Key: Choose File No file chosen	(PEM format)			
 Import from USB Device 				
USB Device Status: No Device Attached Refresh				
Save Cancel				

步驟2.按一下所需的單選按鈕以定義要匯入的證書型別。

My Certificate	
 3rd-Party Authorized Self-Signed 	
Import Full Certificate Set	
Import from PC	
CA Certificate: Choose File No file chosen	(PEM format)
Certificate + Private Key: Choose File No file chosen	(PEM format)
Import from USB Device	
USB Device Status: No Device Attached Refresh	
Save Cancel	

·第三方授權 — 由證書頒發機構提供數位簽章的公開金鑰基礎設施(PKI)。

·自簽名 — 由自己的建立者簽名的安全套接字層(SSL)證書。

步驟3.按一下所需的單選按鈕以選擇要匯入證書的方式。

My	Certificate				
•	3rd-Party Authorized Self-Signed				
Imp	oort Full Certificate Set				
۲	Import from PC				
	CA Certificate:	Choose File	No file chosen		(PEM format)
	Certificate + Private Key:	Choose File	No file chosen		(PEM format)
0	Import from USB Device			J	
5	Save Cancel				

·從PC匯入 — 證書從儲存它的PC匯入。

·從USB匯入 — 證書從USB驅動器匯入。

從PC匯入證書

步驟1。如果您要匯入第三方授權證書,請按一下*CA證書*旁邊的**選擇檔案**以瀏覽檔案位置並將 其選中。

步驟2.按一下Certificate + Private Key旁邊的Choose File,瀏覽找到檔案的位置並選擇它。

步驟3.按一下Save以儲存設定。匯入的證書將顯示在My Certificate Table中。

My Cer	tificate l'able					
Used	Туре	Subject	Duration	Details	Export	
۰	Self-Signed	CN=6c:20:56:c6:16:52 OU=RV320	From: 2013-Apr-08 To: 2023-Apr-06		P 🛃 🤇	
0	Certificate Signing Request	CN=com OU=so		all a	CSR	
0	Self-Signed	CN=jw <mark>d</mark> nkf OU=jdnd	From: 2013-Apr-29 To: 2013-May-29		<u>> 19</u>	
0	Self-Signed	CN= OU=		alla	<u> </u>	
Add Delete Select as Primary Certificate						

從USB匯入證書

步驟1.從Source USB Device下拉選單中選擇適當的USB裝置。

Import from USB Device	
Source USB Device:	USB1 V Refresh
Certificate + Private Key:	File Images on USB device
	File Name
	O 00003172.pdf
	O 1.docx
	O Full paper.doc
	0
	javaindos.html
	O lab 5.docx
	O mail.png
	0
	0
	0
	0
	0
	O Project1.rbp
	O Q-1.PNG
	0
	0
	O RIDFMC-00225749-0042.EXE
	O ServQual.pdf
	O Silverlight.exe
	O SOAOTH-00179299-0040.EXE
	O SOASNW-00228198-0042.EXE
	O SOAVAG-00265755-1040.EXE
	O SOAVCA-00281503-1040.EXE
	0
	0
	Cisco-config-assistant-win-k9-3_2_1-en.exe

步驟2.如果要匯入第三方授權證書,請按一下相應的單選按鈕以匯入儲存在USB上的CA證書。

步驟3.選擇適當的單選按鈕以匯入儲存在USB上的證書+私鑰。

步驟4.按一下Save以儲存設定。 匯入的證書將顯示在My Certificate Table中。

My Ce	My Certificate					
My Cer	tificate Table					
Used	Туре	Subject	Duration	Details	Export	
۰	Self-Signed	CN=6c:20:56:c6:16:52 OU=RV320	From: 2013-Apr-08 To: 2023-Apr-06	2	<u>e</u> <u>e</u> <	
0	Certificate Signing Request	CN=com OU=so		Dil.	CSR	
0	Self-Signed	CN=jw <mark>d</mark> nkf OU=jdnd	From: 2013-Apr-29 To: 2013-May-29		P P S	
0	Self-Signed	CN= OU=		PIN .	P 🔊 🖉	
Add	Delete Select as Prima	ary Certificate				