配置Cisco IOx的APP控制檯訪問

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簡介

本文檔介紹如何為Cisco IOx配置APP控制檯訪問。要在不輸入訪客作業系統(GOS)密碼的情況下訪 問訪客作業系統,需要為Cisco IOx Local Manager上已提供的金鑰設定appconsole訪問。

必要條件

需求

思科建議您瞭解以下主題:

IOx;http://www.cisco.com/c/en/us/td/docs/routers/access/800/829/software/configuration/guide /IR800config/guest-os.html

•已安裝的應用

; <u>http://www.cisco.com/c/en/us/td/docs/routers/access/800/software/guides/iox/fog-</u> <u>director/reference-guide/1-2-0/fog_director_ref_guide/apps_page.html#78926</u>

採用元件

本文中的資訊係根據以下軟體和硬體版本:

- IOx本地管理員
- Windown客戶端PC
- putty.exe
- puttygen.exe

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。

設定

1.在APP管理的Admin頁面上,按一下**Manage。**

[•] 需要安裝

cisco System cisco Cisco IOx Loca	is I Manager					Hello, admin Log Out About
Applications Cartri	iges s	System Info System Setting	Middleware Service			
Id	Туре	Name	Status	Actions	Description	Version
nettest_1463129486110	paas	nettest	RUNNING	stop manage	to address different ports used by different apps	1
Add/Deploy Refresh						

2.按一下Tab App-info。

ications Cartridges S	ystem Info System Setting Middleware Service netters 1468	8129486110		
sources App-Info App	-Config App-DataDir Logs			
	Application information		Requested Resource	
):	nettest_1463129486110	Cpu:	150 cpu-units	
tate:	RUNNING	Memory:	150 MB	
ame:	nettest	Profile:	custom	
artidge Required:	python 2.7	Disk:	2 MB	
ersion:	1		Network information	
uthor:	- Osco Systems	interface-name:	eth0	
uthor link:	http://www.cisco.com			
nnlication type:	naas		Resource Usage	
escription:	to address different norts used by different apps	Cpu:	0.04 %	
oolkit service:	NA	Memory:	20500 KB	
Point out the of	104	Disk:	0.02 MB	
		Network:	11197704 bytes	
	App Access			
onsole Access	ssh -p {SSH_PORT} -i nettest_1463129486110.pem appconsole@ 192.0.2.1			
lefresh				

3.按一下**.pem**檔案,將pvt鍵顯示在瀏覽器中。

pplications Cartridges System Resources App-Info App-Con	i Info System Setting Middleware See M fig App-DataDir Logs Q App-DataDir Logs Q	BEGIN RSA FRIVATE KEY EIGUN RSA FRIVATE KEY EIGUNGSDEIGÖSHUNGUNUTÖRVAVFETANS- 	tv/InFm7iuvEclk/MepsedE/Css2 br/N/3ESgdfBmgkFpv4EB#E12wF Reamtrodyicetwsk7v4EjQIDAQAB rschulifvretk2v4EjQIDAQAB rschulifvretk2v4Edv49/2lq rbbcoQb/sux2dqUsyTor3eM%ABab cm34kg/ckcQpElaMtSgdm4dlq	
	Application information a	JIWQSyovHc+6nT426FvIrqX5kROYP9o+r5GK fpZIjqLAkEA7xX4z0e443GGtXPhoqXjziP+K	h3VGtXRO6cwOUyUTWHf8T6yfqL zciSbIomYLZ9khaTMFfRanrJGJQ	
ID;	nettest_1463129486110 P	Wj5tumaaQpVTMpHmhsxUBZW41G4tQNxwJBA	PhzuLSUF9ENRqqThviPFYkmUs77	
State:	RUNNING	nwuyukmoguvywpriigoLuurghJirungMbv PBmWfNpd9uAvVcf4N904g7FHTQ+J9sYatK1H		
Name:	nettest	trutI/sZ5LP6n7kqaEC00DIc0F14rNWjuzVS	SYOHjPykp6oQJOk+6IbDO7BeROq	
Cartidge Required:	 python 2.7 	END RSA PRIVATE KEY	ie imida	
Version:	1		and the second se	
Author:	Cisco Systems		CK	
Author link:	http://www.cisco.com			
Application type:	paas		Resource Usage	
Description:	to address different ports used by different a	ops Cpu:	0.04 %	
Toolkit service:	NA	Memory:	20500 KB	
		DISK:	0.02 MB	
	Ann Access	NELWOIK;	11197704 bytes	
	Http Houses			
Convolo Accest	ssh -p (SSH_PORT) -i nettest_1463129486	110.pem		
Server Perces	appconsole@ 192.0.2.1			
Defeat				

4.複製pvt金鑰的內容,並將其儲存在**txt**檔案客戶端PC的案頭上。

5.運行puttygen.exe並匯入剛下載的金鑰,導航到轉換和匯入。

		×
File Key Conversions Help Key No key.		
Actions Generate a public/private key pair	Generate	
Actions Generate a public/private key pair Load an existing private key file	Generate	
Actions Generate a public/private key pair Load an existing private key file Save the generated key	Generate Load Save public key Save private	key
Actions Generate a public/private key pair Load an existing private key file Save the generated key Parameters	Generate Load Save public key Save private	key
Actions Generate a public/private key pair Load an existing private key file Save the generated key Parameters Type of key to generate: ③ SSH-1 (RSA) ④ SSH-2 RSA	Generate Load Save public key Save private	key

匯入檔案後,您需要以.ppk副檔名儲存**私鑰**包。

e Key Convers	ions Help			
Key				
Public key for pastin	g into OpenSSH authorized_keys t	file:		
ssh-rsa AAAAB3NzaC1yc20 vEc1kHMpxedE/Cs BmqkFQv4rBME12 +8Uakv6ys5hvBIZ2	EAAAADAQABAAAAgQDppPhuEl sz2nzDaQcydq5bzlqD6swHXWsyn wFQp Z/9Gzd7XGlylOWD4pUTWfRamN	RE3MDTIGAiRyUprxRv/laPm7iu uvU6PVMVPffnNsebrN/3ZSgqN IrQWjCMEvzkJY4fjQ==	* III *	
Key fingerprint:	ssh-rsa 1024 12:62:6e.fa:5f:11	:ca:6d:5d:26:af:22:cc:91:54:9b		
Key comment:	imported-openssh-key			
Key passphrase:			_	
Confirm passphrase:			_	
Actions				
Generate a public/p	rivate key pair	Generate		
Load an existing priv	ate key file	Load		
Save the generated	key Save	e public key Save private key		
Parameters				
Type of key to gene SSH-1 (RSA)	rate:	SSH-2 DSA		
			_	

現在開啟putty.exe,以便建立連線。您將需要顯示剛生成的putty.exe私鑰。



使用appconsole使用者。

egory.			22.22	
Keyboard Bell	•	Data to s	end to the server	
		Login details		
- Window		Auto-login usemame	appconsole	
Appearance Behaviour		When usemame is not specified: Prompt OUse system usemame (sciric)		
Translation		Terminal details		
Colours		Terminal-type string	xterm	
Connection		Terminal speeds	38400,38 <mark>4</mark> 00	
Proxy	=	Environment variables		
Teinet Riogin		Variable		Add
⊟-SSH Kex		Value		Remove
· Auth · TTY · X11 · Tunnels				
Bugs Serial	-			

使用之前為IoX GOS配置的埠號。



您應該能夠登入到Console。

驗證

使用本節內容,確認您的組態是否正常運作。

在安裝了GOS的路由器上運行此命令。

#sh ip nat translations

IR82	29GW_SJ_desk#sh	ip nat translations		
Pro	Inside global	Inside local	Outside local	Outside global
tcp	192.0.2.1:2222	192.0.6.1:22	203.0.113.1:57551	203.0.113.1:57551
tcp	192.0.2.1:2222	192.0.6.1:22		
tcp	192.0.2.1:8443	192.0.6.1:8443		

疑難排解

本節提供的資訊可用於對組態進行疑難排解。

用按一下右鍵putty.exe,從客戶端開始進行故障排除,然後進入事件日誌。

PuTTY Event Log		×
2017-03-10 07:13:51 2017-03-10 07:13:51 2017-03-10 07:13:51 2017-03-10 07:13:51 2017-03-10 07:13:51 2017-03-10 07:13:51 2017-03-10 07:13:52	ssh-rsa 2048 d7:49:07:47:66:77:0e:ca:37:89:bd:31:79:81:3e:31 Initialised AES-256 SDCTR client->server encryption Initialised HMAC-SHA1 client->server MAC algorithm Initialised AES-256 SDCTR server->client encryption Initialised HMAC-SHA1 server->client MAC algorithm Attempting keyboard-interactive authentication	•
2017-03-10 07:13:54	Access granted	
2017-03-10 07:13:54 2017-03-10 07:13:54 2017-03-10 07:13:54 2017-03-10 07:13:54	Opening session as main channel Opened main channel Allocated pty (ospeed 38400bps, ispeed 38400bps) Started a shell/command	4 III
	Copy Close	

要檢查錯誤,請從IOx本地管理器下載**auth.log**。您可以在Logs部分的**本地IOx**管理器中的System Info(系統資訊)頁**面找到**。

v Logs			
Logging Management)		
Log name	Timestamp	Log Size	View
caf.log	Fri Mar 10 13:31:13 2017	26006	download
obd.log	Fri Mar 10 13:31:08 2017	3127751	download
dmo.log	Wed Mar 8 00:11:59 2017	636	download
tpmc.log	Fri Mar 10 13:25:32 2017	317548	download
messages	Wed Mar 8 19:11:46 2017	37626	download
debug	Wed Mar 8 00:12:41 2017	5103	download
news.notice	Wed Mar 8 00:11:15 2017	0	download
news.err	Wed Mar 8 00:11:15 2017	0	download
news.crit	Wed Mar 8 00:11:15 2017	0	download
mail.err	Wed Mar 8 00:11:15 2017	0	download
mail.warn	Wed Mar 8 00:11:15 2017	0	download
mail.info	Wed Mar 8 00:11:15 2017	0	download
user.log	Wed Mar 8 19:12:16 2017	4736	download
mail.log	Wed Mar 8 00:11:15 2017	0	download
lpr.log	Wed Mar 8 00:11:15 2017	0	download
kern.log	Wed Mar 8 00:13:06 2017	38174	download
daemon.log	Fri Mar 10 13:11:47 2017	13916	download
syslog	Fri Mar 10 13:11:47 2017	57250	download
auth.log	Fri Mar 10 13:24:32 2017	478	download
dmesg	Wed Mar 8 00:10:29 2017	24780	download
lastlog	Fri Mar 10 13:24:32 2017	292584	download
wtmp	Fri Mar 10 13:24:32 2017	4992	download
boot	Wed Mar 8 00:11:37 2017	2396	download

RSA SHA256:MLSv45EJfxmhd66dkZG94ZKULTaCh5DpXYsSyLyjA8k Mar 10 13:24:32 IR829GW_SJ_desk-GOS-1 sshd[26112]: pam_unix(sshd:session): session opened for user appconsole by (uid=0)