Configura accesso console APP per Cisco IOx

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Introduzione

In questo documento viene descritto come configurare l'accesso alla console APP per Cisco IOx. Per poter accedere senza password al sistema operativo guest (GOS), è necessario configurare l'accesso alla console dell'applicazione per le chiavi già fornite in Cisco IOx Local Manager.

Prerequisiti

Requisiti

Cisco raccomanda la conoscenza dei seguenti argomenti:

- Ènecessario installare IOx; <u>http://www.cisco.com/c/en/us/td/docs/routers/access/800/829/software/configuration/guide/IR8</u> <u>00config/guest-os.html</u>
- APP installata;
 http://www.cisco.com/c/en/us/td/docs/routers/access/800/software/guides/iox/fogdirector/reference-guide/1-2-0/fog_director_ref_guide/apps_page.html#78926

Componenti usati

Le informazioni fornite in questo documento si basano sulle seguenti versioni software e hardware:

- IOx Local Manager
- PC client Windows
- putty.exe
- puttygen.exe

Le informazioni discusse in questo documento fanno riferimento a dispositivi usati in uno specifico ambiente di emulazione. Su tutti i dispositivi menzionati nel documento la configurazione è stata ripristinata ai valori predefiniti. Se la rete è operativa, valutare attentamente eventuali conseguenze derivanti dall'uso dei comandi.

Configurazione

1. Dalla pagina Amministrazione di Gestione APP, fare clic su Gestisci.

cisco Syste cisco Cisco IOx Lo	ms cal Manage						Hello admin Log Out About
Applications Carl	ridges	System Info	System Setting	Middleware Service			
Id	Type	Name		Status	Actions	Description	Version
nettest_1463129486110) paas	nettest		RUNNING	stop manage	to address different ports used by different apps	1
Add/Deploy							

2. Fare clic sulla scheda App-info.

lications Cartridges	System Info System Setting Middleware Service nettest_1463	129486110		
sources App-info Ap	/p-Config App-DataDir Logs			
	And backers in Constants		Described Description	
2	Application Information	Court	150 cou units	
a tater	DUNING	Memory:	150 CPD-Glass	
ane.	nation	Profile	ristom	
	1100000	Disk:	2 MB	
artidge Required:	 python 2.7 			
rsion	1		Network information	
thor:	Cisco Systems	interface-name:	eth0	
thor link:	http://www.cisco.com			
plication type:	paas		Resource Usage	
scription:	to address different ports used by different apps	Cpu:	0.04 %	
olkit service:	NA	Memory:	20500 KB	
		Disk:	0.02 MB	
		Network:	11197704 bytes	
	App Access			
insole Access	ssh -p {SSH_PORT} -i nettest_1463129486110.pem appconsole@ 192.0.2.1			
onsole Access	App Access ssh -p (SSH_PORT) -i nettest_1463129486110.pem appconsole@ 192.0.2.1			

3. Fare clic sul file **.pem** per visualizzare la chiave pvt nel browser.

pplications Cartridges	system Info System Setting Middleware Set	BEGIN MIICZQIBA nzDaQcydq5	N RSA PRIVATE KEY KKBgQDppPhuERE3MDTIGAiRyUprx ibzIg06swHXMsyuvU6FVMVPffnNs- ShaPING (0c-d720ct)crbchros	Rv/IaPm7iuvEclkH0pxedE/Csz2 ebzt/32SqqNBmgkPQv4EMEUZvF	
Resources Account	Application information	AoGABgK+eW errLVWfBhl YMXsODUC5 a0IWQSyov	VZrAPZ2hSdJIScCiR87BydAZjJ+Y /JoTOXhjJYGQdho7V3teV4BhOED jZHVZXkZVRYIKT9f0I/YEXxw+7HS to+6nT426FvIrgX5kR0YP9o+r5GK	Industry Understat JULDIGAD TSechNLiftoTEbk2vtheV9/2Lq VDbOcQk9ux2hqUsyIOr8oW6WAbe S6mo3Hq/CkCQQD6LMVQ9HRdltq Jh3VGtZRO6cwOly0TWH£8T6yfqL	
ID;	nettest_1463129486110	xYpZIjgLA FpWj5tumaa	CEA7xX4zUe443GGtXPhoqXjziP+K AQpVTMpHmhsxUBZW41G4tQNxwJBA	vciSbIomYLZ9khaTMFfRanrJGJQ PhzuLSUF9ENRqqThviPFYkmUs77	
State:	RUNNING	Ddww0y0KMc xPBmWfNod9	oGOv9WPY1ig3oLUDYGhJ1FuNgMbV DubyVcf4N9D4c7FHTO+J9sYatK1H	wSW3TCKZdgjS14Qewt2fm0CQB7C Gkjua5OfmKAA63kMuJBAGg3Jto/	
Name:	nettest	atrutI/sZ5	5LP6n7kqaECQQDIc0F14rNWjuzVS	EYOHjPykp6oQJOk+6IbDO7BeROq	
Cartidge Required:	python 2.7	jUKh++Tzmt	SLaqKgBgTuPDXvXjBxOyqmfCdGU0 SSA PRIVATE KEY	ueTmYqs	
Version:	1				
Author:	Cisco Systems			OK	
Author link:	http://www.cisco.com				
Application type:	paas			Resource Usage	
Description:	to address different ports used by diffe	rent apps	Cpu:	0.04 %	
Toolkit service:	NA		Memory:	20500 KB	
			Disk	0.02 MB	
	Anna Annana		Network:	11197704 bytes	
	App Access				
	ssh -p (SSH PORT) -i nettest 14631	29486110.pem			
Console Access	appronsole@ 192.0.2.1				

4.Copiare il contenuto della chiave pvt e salvarlo sul desktop del PC client come file txt.

5. Eseguire **puttygen.exe** e importare la chiave appena scaricata, passare a **Conversioni** e **importazione**.

ile Key Conversions Help	
Key	
No key.	
Actions	
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: SSH-1 (RSA) © SSH-2 RSA	Generate Load Save public key Save private key

Una volta importato il file, sarà necessario salvare la chiave privata con estensione .ppk.

e Key Convers	ions Help							
Key								
ublic key for pasting into OpenSSH authorized_keys file:								
ssh-rsa AAAAB3NzaC1yc21 vEc1kHMpxedE/Cs BmqkFQv4rBME12 +8Uakv6ys5hvBIZ2	sh-rsa AAAB3NzaC1yc2EAAAADAQABAAAAgQDppPhuERE3MDTIGAiRyUprxRv/laPm7iu Ec1kHMpxedE/Csz2nzDaQcydq5bzlqD6swHXWsyuvU6PVMVPffnNsebrN/3ZSgqN mqkFQv4rBME12wFQp 8Uakv6ys5hvBIZZ/9Gzd7XGlylOWD4pUTWfRamNrQWjCMEvzkJY4fjQ==							
Key fingerprint:	ssh-rsa 1024 12:62:6e.fa:5f:11	l:ca:6d:5d:26:af:22:cc:91:54:9b						
Key comment:	imported-openssh-key							
Key passphrase:								
Confirm passphrase:	onfirm 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						
Parameters								
Type of key to gene SSH-1 (RSA)	rate:	SSH-2 DSA						
			_					

Aprire **putty.exe** per stabilire la connessione. Sarà necessario presentare la chiave privata **putty.exe** appena generata.



Utilizzare l'utente appconsole.

egory:		r		
Keyboard Bell	*	Data to se Login details	end to the server	
- Window		Auto-login usemame	appconsole	
Appearance Behaviour		When usemame is not specified: Prompt Ouse system usemame (sciric)		
Translation		Terminal details		
Colours		Terminal-type string Terminal speeds	xtem	
Connection			38400,38400	
··· Proxy	=	Environment variables		
Rlogin	Variable	Variable		Add
SSH Kex			Remove	
	•			

Utilizzare il numero di porta precedentemente configurato per IoX GOS.



Dovrebbe essere possibile accedere a Console.

Verifica

Fare riferimento a questa sezione per verificare che la configurazione funzioni correttamente.

Eseguire questo comando sul router installato con GOS.

#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		

Risoluzione dei problemi

Le informazioni contenute in questa sezione permettono di risolvere i problemi relativi alla

configurazione.

Avviare la risoluzione dei problemi dal lato client facendo clic con il pulsante destro del mouse su **putty.exe** e scegliendo Registro eventi.

PuTTY Event Log		x
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	

Per controllare gli errori, scaricare **auth.log** da IOx Local Manager. Nella pagina **System Info** (Informazioni sul sistema) in Local IOx Manager, è possibile consultare la sezione Log.

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

Mar 10 13:24:32 IR829GW_SJ_desk-GOS-1 sshd[26112]: Accepted publickey for appconsole from 203.0.113.1 port 57551 ssh2: 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)