Configuración del Acceso a la Consola APP para Cisco IOx

Contenido

Introducción Prerequisites Requirements Componentes Utilizados Configurar Verificación Troubleshoot

Introducción

Este documento describe cómo configurar el acceso a la consola APP para Cisco IOx. Para tener acceso sin contraseña al SO invitado (GOS), es necesario configurar el acceso a la consola de aplicaciones para las claves que ya se proporcionan en Cisco IOx Local Manager.

Prerequisites

Requirements

Cisco recomienda que tenga conocimiento sobre estos temas:

- Es necesario instalar 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 instalado;
 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

Componentes Utilizados

La información que contiene este documento se basa en las siguientes versiones de software y hardware.

- Administrador local IOx
- PC cliente Windown
- putty.exe
- puttygen.exe

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Configurar

1. En la página Admin del administrador de la APP, haga clic en Manage.

Cisco System Cisco Cisco IOx Local	s Manager						Hellovadmin Log Out About
Applications Cartric	iges s	ystem Info S	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/Danlay Defrach							

2. Haga clic en Tab App-info.

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nsole Access ssh -p \SSH_PORT\ -i nettet1463129486110.pem appconsole@ 182.0.2.1		App Access			
	onsole Access	ssh -p {SSH_PORT} -i nettest_1463129486110.pem appconsole@ 192.0.2.1			

3. Haga clic en el archivo .pem para mostrar la clave pvt en el navegador.

Applications Carbridges System Resources Application App-Con	i Info System Setting Middleware See Rig App-DataDir Logs	BEGIN RSA PRIVATH MIIC:QIBAAKBgOppPhuB nzDaQoydq5bz1qD6swK0M Qp+8Uakv6ys5hvBIZZ/9G	KEY E3MDTIGAIRyUprxRv/IaPm7iuvEcI yuvU6PMVPffnNeebrN/3Z5g4MBmg d7XG1y1OM04DUWffAmMtcMj6UEV	ki@pxedE/Csz2 kPgv4rBME12wF kY4fjgTDAQAB	Helbadmin Log Out Abo
	Application information	AogABgK+eWZrAPZ2hSdJIS errLWWfBh17JoT0xhjJyG YMXsoDUC5jzHV2XkZVRYIN a0IWQSyovHc+6nT426FvIn xYpZ1jgLAkEA7xX4z0e443	cCiR87BydAZjJ+YTSeChNLifvOTEb dwo7V3teV4Bh0EDyDbOeQk9ux/AqU 19f0I/YEXxw+7HSO6mo3Hq/CkCQD0 g/SkR0YP9o+r5GKQh3VGtXR06cw0U g3tXPhogXjziP+kvgiSbIogYL29kh	k2vthcFv8/Zlq syIOr8oW6WAbe 6LHNK9pHRdOtq yOTWHf8T6yfqL aTMFfFanrJGJO	
ID:	nettest_1463129486110	FpWj5tumaaQpVTMpHmhsxU	BZW41G4tQNxwJBAPhzuLSUF9ENRqq	ThviPFYkmUs77 Oewt2fm0COB7C	
State:	RUNNING	xPBmWfNpd9uAvVcf4N904c	7FHTQ+J9sYatK1HGkjuA50fmKAA63	kMuJRAGg3Jto/	
Cartidge Required:	python 2.7	jUKh++Tzm6LaqKgBgTuPD END RSA PRIVATE }	olcuriarnwjuzvszionjrykpogou vzjBx0yqmfCdGUOueTmYqs EY	K+01DD01Bek0d	
Version:	1				
Author:	Cisco Systems			OK	
Author link:	http://www.cisco.com		Deep		
Application type:	paas		Resc	ource Usage	
Description:	to address different ports used by different	it apps		0.04 %	
Toolkit service:	NA	Memory:		20500 KB	
		Mahuarin		11107704 huter	
	Ann Access	NEWOR.		11197704 bytes	
Console Access	ssh -p (SSH_PORT) -I nettest_146312/ appconsole@ 192.0.2.1	486110.pem			
Refresh					

4. Copie el contenido de la clave pvt y guárdelo en el escritorio del equipo cliente como archivo txt.

5. Ejecute el archivo **puttygen.exe** e importe la clave que acaba de descargar, navegue hasta **Conversiones** e **Importar**.

PuTTY Key Generator	and the second	x
File Key Key No key.		
Actions Generate a public/private key pair	Generat	•
Load an existing private key file	Load	
Save the generated key	Save public key Save private	e key
Parameters		
Type of key to generate: SSH-1 (RSA)	SSH-2 DSA	
Number of bits in a generated key:	2048	

Una vez que se importa el archivo, deberá guardar la clave privada, con la extensión .ppk.

e Key Conversi	ons Help					
Key						
Public key for pasting	s file:					
ssh-rsa AAAAB3NzaC1yc2E vEc1kHMpxedE/Cs BmqkFQv4rBME12v +8Uakv6ys5hvBIZ2	AAAADAQABAAAAgQDppPhuE z2nzDaQcydq5bzlqD6swHXWsy vFQp //9Gzd7XGlylOWD4pUTWfRam	AAADAQABAAAAgQDppPhuERE3MDTIGAiRyUprxRv/laPm7iu AnzDaQcydq5bzlqD6swHXWsyuvU6PVMVPffnNsebrN/3ZSgqN Qp 9Gzd7XGlylOWD4pUTWfRamNrQWjCMEvzkJY4fjQ==				
Key fingerprint:	ssh-rsa 1024 12:62:6e.fa:5f:1	1:ca:6d:5d:26:af:22:cc:91:54:9b				
Key comment:	imported-openssh-key					
Key passphrase:						
Confirm passphrase:						
Actions						
Generate a public/pr	ivate key pair	Generate				
Load an existing priv	ate key file	Load				
Save the generated	key Sav	ve public key Save private key				
Parameters						
Type of key to gener SSH-1 (RSA)	ate:	SSH-2 DSA				

Abra **putty.exe** ahora para establecer la conexión. Deberá presentar la clave privada **putty.exe** que se acaba de generar.



Utilice el usuario appconsole.

Kashaard		Data ta a	and to the server	_
 Bell Features Window Appearance Behaviour Translation Selection Colours Connection Data Proxy Telnet Rlogin SSH Kex Auth TTY X11 Tunnels Bugs Serial 		Login details Auto-login usemame When usemame is not so	appconsole	
		Prompt O Use sy	stem usemame (sciric)	
		Terminal details	xterm	
		Terminal speeds	38400,38400	
		Environment variables Variable Value	Ad	d

Utilice el número de puerto que haya configurado previamente para IoX GOS.



Debe poder iniciar sesión en la consola.

Verificación

Utilize esta sección para confirmar que su configuración funcione correctamente.

Ejecute este comando en el router instalado 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		

Troubleshoot

En esta sección se brinda información que puede utilizar para resolver problemas en su

configuración.

Comience la resolución de problemas desde el lado del cliente con un clic derecho en **putty.exe** y vaya al registro de eventos.

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	

Para verificar los errores, descargue **auth.log** desde IOSx Local Manager. Puede encontrar en la página **Información del sistema** en Local IOx Manager en la sección **Registros**.

▼ 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)