# Configurar o acesso do console APP para o Cisco IOx

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## Introduction

Este documento descreve como configurar o acesso do console APP para o Cisco IOx. Para ter acesso sem uma senha ao Guest OS (GOS), o acesso do console appprecisa ser configurado para as chaves que já são fornecidas no Cisco IOx Local Manager.

# Prerequisites

#### Requirements

A Cisco recomenda que você tenha conhecimento destes tópicos:

- IOx precisa ser instalado; <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; <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>

#### **Componentes Utilizados**

As informações neste documento são baseadas nestas versões de software e hardware:

- Gerenciador local do IOx
- Windows Client PC
- 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. Na página Admin do gerenciamento do APP, clique em Gerenciar.

Helo, admini j Log Out j About CISCO Cisco TOX-Local Manager							
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. Clique na guia App-info.

Cisco Systems Cisco Cisco IOx Local Manag	er Charles and the second s			Helo, admin   Log Out   About
Applications Cartridges	System Info System Setting Middleware Service nettest_1463	129486110		
Resources App-Info	App-Config App-DataDir Logs			
-	Application information		Requested Resource	
ID:	nettest_1463129486110	Cpu:	150 cpu-units	
State:	RUNNING	Memory:	150 MB	
Name:	nettest	Profile:	custom	
Cartidge Required:	python 2.7	Disk:	2 MB	
Verion	4		Network information	
Authors	1 Circa Custama	interface-name:	eth0	
Author link:	bitou//www.circo.com			
Aution link.	ncp.//www.cisco.com		Resource Usage	
Application type:	pads	Cpu:	0.04 %	
Description.	to address differencipoits used by differenciapps	Memory:	20500 KB	
TODIKIC SERVICE:	RP4	Disk:	0.02 MB	
		Network:	11197704 bytes	
	App Access			
Console Access	ssh -p (SSH_PORT) - + nettest_1463129486110.pem appconsole@ 192.0.2.1			
Refresh				

3. Clique no arquivo .pem para ver a chave pvt no navegador.

esources App-Info	System Info System Setting Middleware Set App-Config App-DataDir Logs	BEGIN RSA PRIVATE REY HIICXQIBANGSGOPPHURERSWTIGAIRVUprxRv/Iahm7iuvEclkMpxedE/Css2 nzbaQcydg5bz1g6swVGMsyuVUfPMVPffnNeobt//3Z5qdMmakfv04LBME12WF Qu+8UakvVp55hv12Z/92d27d3J10404PUTPKEAns/cgi/GUVxkXv145j01DA0AB			
	Anniertian information	AoGABgK+eW errLVWfBhl YM/soDUC5j a0IWQSyovH	<pre>ZrAPZ2hSdJIScCiR87BydAZjJ+ 7JoT0xhjJyGQduo7V3teV4Bh0E 2HV2XkZVRYIKT9f0I/YEXxw+7H c+6nT426FvIrqX5kROYP9o+r5G</pre>	TTSeChNLifvOTEbk2vthcFv8/Zlq DyDbOegk9ux/bqUsyIOr80W6WAbe SOGmo3Hq/CkCQgD6LHNK9pHRdDtq Qh3VGt/Re6cw0Uy0TWHf8T6yfqL	
	nettest 1463129486110	xYpZIjgLAk	EA7xX4z0e443GGtXPhoqXjziP+I	Approximation Street St	
State:	RUNNING	DdwwUy0KMo	GOv9WFY1ig3OLUOYGhJ1FuNgMb	/wSW3TCKZdgjS14Qewt2fm0CQB7C	
Name:	nettest	xPBnWfNpd9 atrutI/s25	uAvVcf4N904g7FHTQ+J9sYatK1 LP6n7kgaECOODIc0F14rNWjuzV	HGkjuA50fmKAA63kMuJRAGg3Jto/ SEY0HiPvkp6o0J0k+61bD07BeR0g	
Cartidge Required:	python 2.7	jUKh++Tzm6	LaqKgBgTuPDXvXjBx0yqmfCdGU ISA PRIVATE KEY	JueTmYqs	
/ersion:	1				
Author:	Cisco Systems			OK	
Author link:	http://www.cisco.com				
Application type:	paas			Resource Usage	
Description:	to address different ports used by diff	erent apps	Cpu:	0.04 %	
Foolkit service:	NA		Memory:	20500 KB	
			Disk:	0.02 MB	
			Network:	11197704 bytes	
	App Access				
200.200.00	ssh -p (SSH_PORT) -i nettest_1463	29486110.pem			
Console Access	appconsole@ 192.0.2.1				

4.Copie o conteúdo da chave pvt e salve-o no desktop do PC cliente como arquivo txt.

5. Execute o **puttygen.exe** e importe a chave que você acabou de baixar, navegue até **Conversões** e **importação**.

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: SSH-1 (RSA)	Generate Load Save public key Save private key Save private key

Depois que o arquivo for importado, será necessário salvar a chave privada com a extensão .ppk.

e Key Conversi	ons Help		
Key			
Public key for pasting	; into OpenSSH authorized_ke	ys file:	
ssh-rsa AAAAB3NzaC1yc2E vEc1kHMpxedE/Cs BmqkFQv4rBME12v +8Uakv6ys5hvBIZZ	AAAADAQABAAAAgQDppPhu z2nzDaQcydq5bzlqD6swHXW vFQp //9Gzd7XGlylOWD4pUTWfRa	uERE3MDTIGAiRyUpnxRv/laPm7iu /syuvU6PVMVPffnNsebrN/3ZSgqN mNrQWjCMEvzkJY4fjQ==	• 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/pr	ivate key pair	Generate	
Load an existing priv	ate key file	Load	
Save the generated	key Sa	ave public key	Y
Parameters			
Type of key to gener SSH-1 (RSA)	ate:	SSH-2 DSA	
			_

Abra o **putty.exe** agora para estabelecer a conexão. Você precisará apresentar a chave privada **putty.exe** que acabou de ser gerada.



Use o usuário appconsole.

Kashaard		Data ta a	and to the server	_
Keyboard Bell Features Window		Login details Auto-login usemame When usemame is not so	appconsole	
Behaviour		<ul> <li>Prompt</li> <li>Use system username (sciric)</li> </ul>		
Translation Selection		Terminal details	xterm	
Connection		Terminal speeds	38400,38400	
Proxy Telnet Rlogin ⊡ SSH Kex	в	Environment variables Variable Value	Ad	d
Auth TTY X11 Tunnels Bugs Sector				

Use o número da porta que você configurou anteriormente para o IoX GOS.



Você deve conseguir fazer login no Console.

## Verificar

Use esta seção para confirmar se a sua configuração funciona corretamente.

Execute esse comando no roteador instalado com GOS.

#sh ip nat translations

IR82	9GW_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

Esta seção disponibiliza informações para a solução de problemas de configuração.

Inicie a solução de problemas no lado do cliente com o botão direito do mouse em **putty.exe** e vá para o registro de eventos.

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	

Para verificar erros, faça o download do **auth.log** do IOx Local Manager. Você pode encontrar na página **Informações do sistema** no Gerenciador de IOx local na seção **Logs**.

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
imo.log	Wed Mar 8 00:11:59 2017	636	download
pmc.log	Fri Mar 10 13:25:32 2017	317548	download
nessages	Wed Mar 8 19:11:46 2017	37626	download
lebug	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
pr.log	Wed Mar 8 00:11:15 2017	0	download
(em.log	Wed Mar 8 00:13:06 2017	38174	download
laemon.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
imesg	Wed Mar 8 00:10:29 2017	24780	download
astlog	Fri Mar 10 13:24:32 2017	292584	download
vtmp	Fri Mar 10 13:24:32 2017	4992	download
poot	Wed Mar 8 00:11:37 2017	2396	download

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)