

Curso Técnico em Redes de Computadores

Cássio de Albuquerque

Comutação de Redes

São Paulo - SP 2022

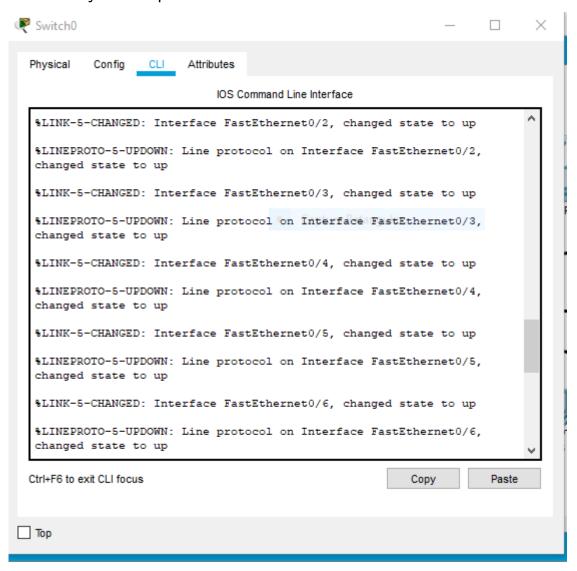
Cássio de Albuquerque



Configuração do SWITCH

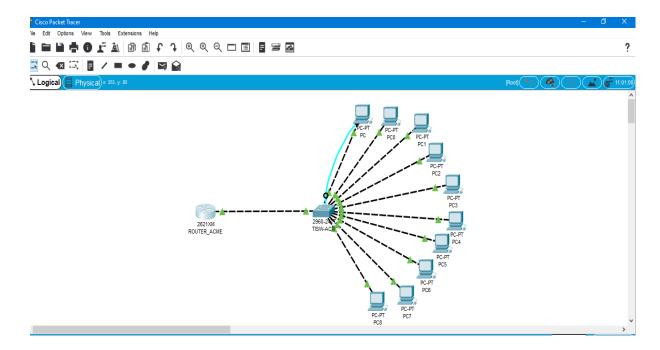
Atividade Proposta

O dispositivo deverá ter o hostname alterado para a "TISW-ACME" auxiliando assim, a identificação do dispositivo na rede.



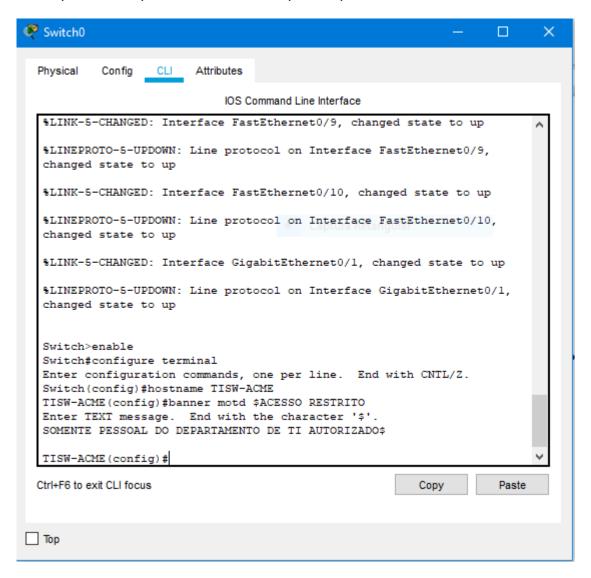


Topologia



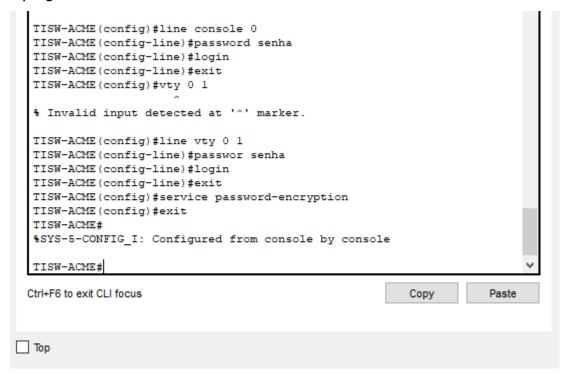


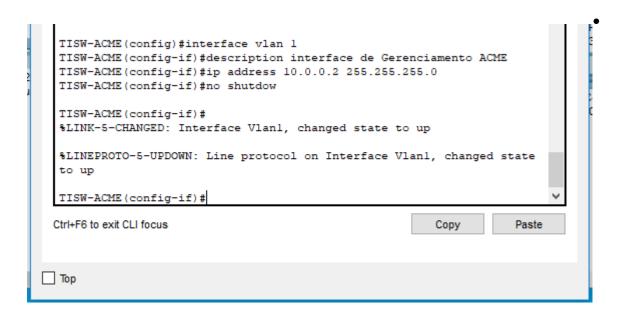
O switch deverá ter uma mensagem de restrição (banner) informando que o acesso do dispositivo só poderá ser efetuado pelo depto. TI.





Restringir o acesso via console e via acesso remoto do switch, utilizando senha criptografada.





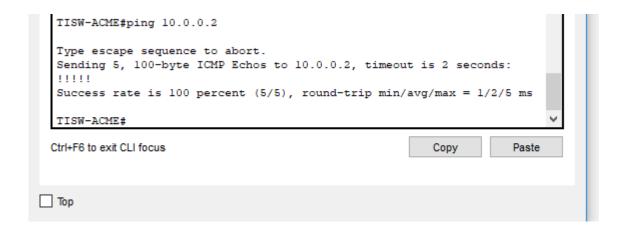


Habilitar o acesso remoto via SSH.

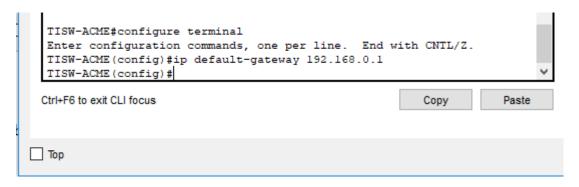
ACESSO RESTRITO SOMENTE PESSOAL DO DEPARTAMENTO DE TI AUTORIZADO		
User Access Verification		
Password:		
TISW-ACME>enable TISW-ACME#configure terminal Enter configuration commands, one per line. End w. TISW-ACME(config)#ip default-gatewy 192.168.0.1	ith CNTL/Z.	
% Invalid input detected at '^' marker.		
TISW-ACME(config) #ip default-gateway 192.168.0.1 TISW-ACME(config) #		~
Ctrl+F6 to exit CLI focus	Сору	Paste
Тор		



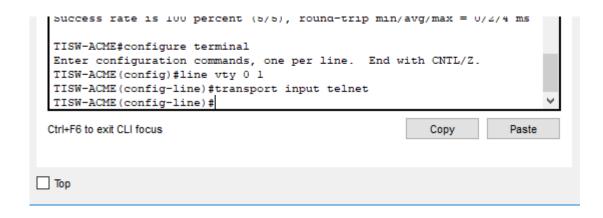
Teste de Conectividade



Configuração do Gateway



Habilitando a Telnet





Acessando o Switch pela telnet pelo PC

```
Physical Config Desktop Programming Attributes

Terminal X

Press RETURN to get started.

ACESSO RESTRITO
SOMENTE PESSOAL DO DEPARTAMENTO DE TI AUTORIZADO
User Access Verification
Password:
TISW-ACMESenable
TISW-ACMESenofique terminal
Enter configuration commands, one per line. End with CNTL/Z.
TISW-ACME (config) #
```

Habilitando acesso via SSH

```
TISW-ACME;configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
TISW-ACME(config) #ip domain name sp.acme.br
TISW-ACME(config) #crypto key generate rsa
The name for the keys will be: TISW-ACME.sp.acme.br
Choose the size of the key modulus in the range of 360 to 2048 for your
General Purpose Keys. Choosing a key modulus greater than 512 may take
a few minutes.

How many bits in the modulus [512]: 1024
$ Generating 1024 bit RSA keys, keys will be non-exportable...[OK]

TISW-ACME(config) #ip ssh version 2
*mar 4 13:15:23.717: $SSH-5-ENABLED: SSH 1.99 has been enabled
TISW-ACME(config) #line vty 0 1
TISW-ACME(config-line) #password senha
TISW-ACME(config-line) #password senha
TISW-ACME(config-line) #transport input ssh
TISW-ACME(config-line) #transport input ssh
TISW-ACME(config-line) #transport input ssh
TISW-ACME(config-line) #transport input ssh
```



Testar o acesso remoto via SSH.

Testando conexão via SSH

```
C:\>ssh -l sp.acme.br 10.0.0.2

Password:

Password: timeout expired!

[Connection to 10.0.0.2 closed by foreign host]

C:\>ssh -l sp.acme.br 10.0.0.2

Password:
```

Conexão via SSH efetuada com sucesso:

```
[Connection to 10.0.0.2 closed by foreign host]
C:\>ssh -1 sp.acme.br 10.0.0.2

Password:
ACESSO RESTRITO
SOMENTE PESSOAL DO DEPARTAMENTO DE TI AUTORIZADO

TISW-ACME>
```



Telnet desabilitada

```
C:\>ssh -1 sp.acme.br 10.0.0.2

Password:

ACESSO RESTRITO
SOMENTE PESSOAL DO DEPARTAMENTO DE TI AUTORIZADO

TISW-ACME>telnet 10.0.0.2
Trying 10.0.0.2 ...Open

[Connection to 10.0.0.2 closed by foreign host]
TISW-ACME>
```

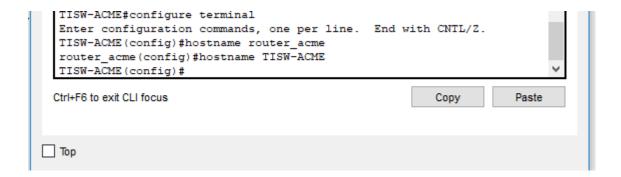
Executar o comando para exibição das configurações.

```
TISW-ACME>enable
  TISW-ACME#show running-config
  Building configuration ...
  Current configuration : 1386 bytes
  version 12.2
  no service timestamps log datetime msec
  no service timestamps debug datetime msec
  service password-encryption
  hostname TISW-ACME
  ip ssh version 2
  ip domain-name sp.acme.br
  spanning-tree mode pvst
  spanning-tree extend system-id
  interface FastEthernet0/1
   --More--
                                                                       Paste
 Ctrl+F6 to exit CLI focus
                                                           Сору
___ Top
```

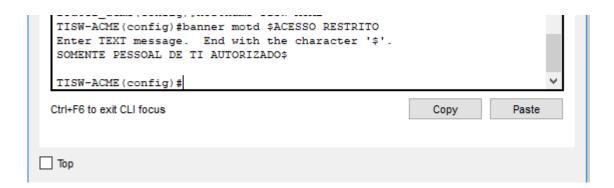


Configuração do Roteador

O dispositivo deverá ter o hostname alterado para a TISW-ACME auxiliando assim, a identificação do dispositivo na rede.



O router deverá ter uma mensagem de restrição (banner) informando que o acesso do dispositivo só poderá ser efetuado pelo depto. TI.

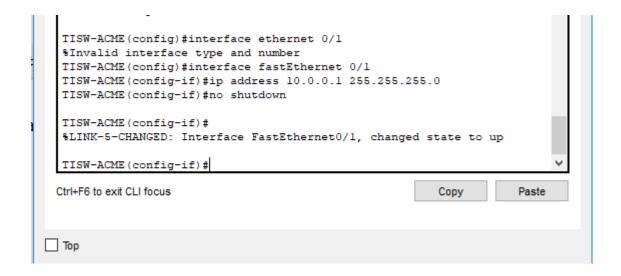




Restringir o acesso via console e via acesso remoto do switch, utilizando senha criptografada.

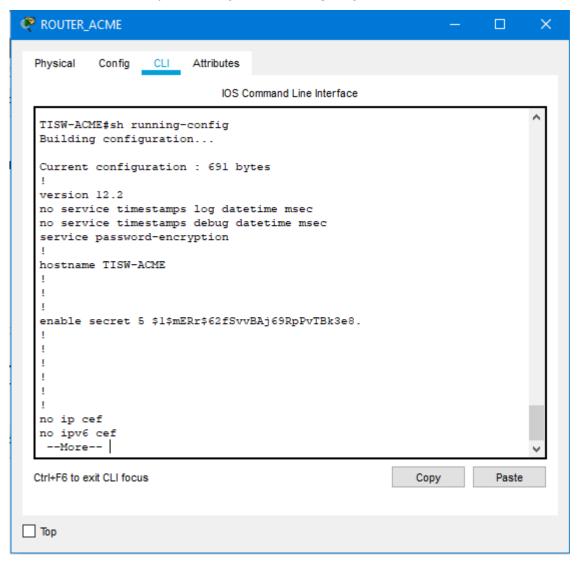
```
TISW-ACME(config) #line console 0
  TISW-ACME(config-line) #password senha
  TISW-ACME(config-line)#login
  TISW-ACME(config-line) #exit
  TISW-ACME(config) #line vty 0 1
  TISW-ACME(config-line) #password senha
  TISW-ACME(config-line) #login
  TISW-ACME(config-line) #exit
  TISW-ACME(config) #enable secret senha
  TISW-ACME(config) #service password-encryption
  TISW-ACME(config) #exit
  TISW-ACME#
  %SYS-5-CONFIG_I: Configured from console by console
 Ctrl+F6 to exit CLI focus
                                                           Copy
Top
```

Porta Fast Ethernet 0/1 IP address 10.0.0.1 mask 255.255.255.0





Executar o comando para exibição das configurações





Habilitar o serviço DHCP.

