



Serviços de Rede Local

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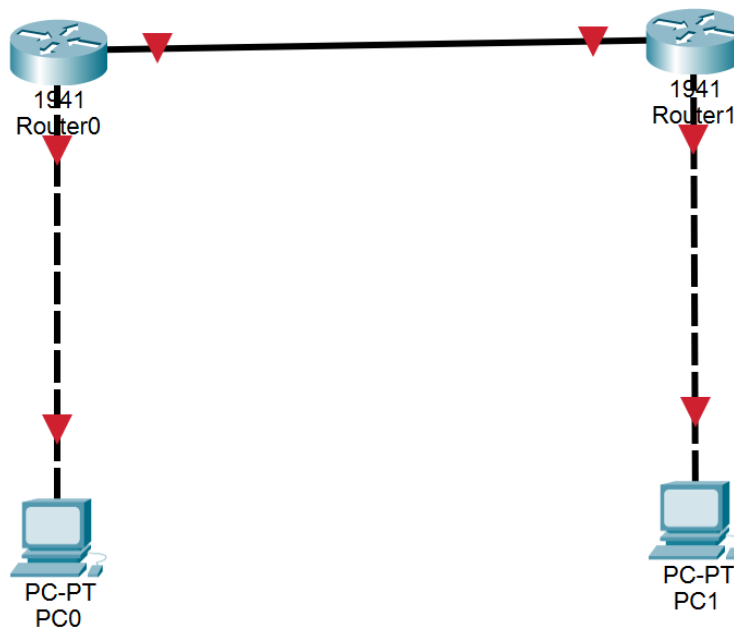
Roteamento Estático



Roteamento Estático

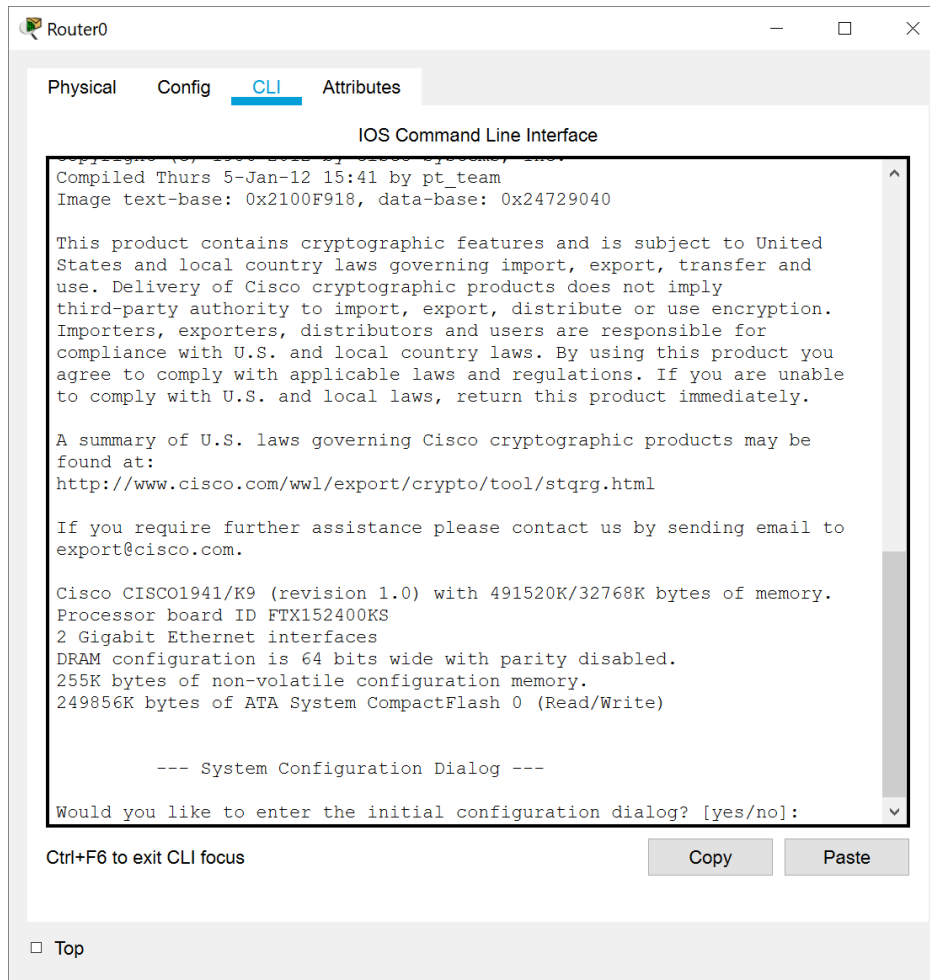
É o roteamento direto entre roteadores sem nenhum tipo de protocolo.

Vamos montar o seguinte cenário:



Roteamento Estático

Vamos acessar o Router0



Roteamento Estático

Router>**enable**

Router#**conf t**

Configurando a rede interna

Router(config)#**int g 0/0**

Router(config-if)#**no shutdown**

Router(config-if)#**ip address 192.168.0.1
255.255.255.0**

Roteamento Estático

Configurando a rede externa

```
Router(config-if)#int g 0/1
```

```
Router(config-if)#no shutdown
```

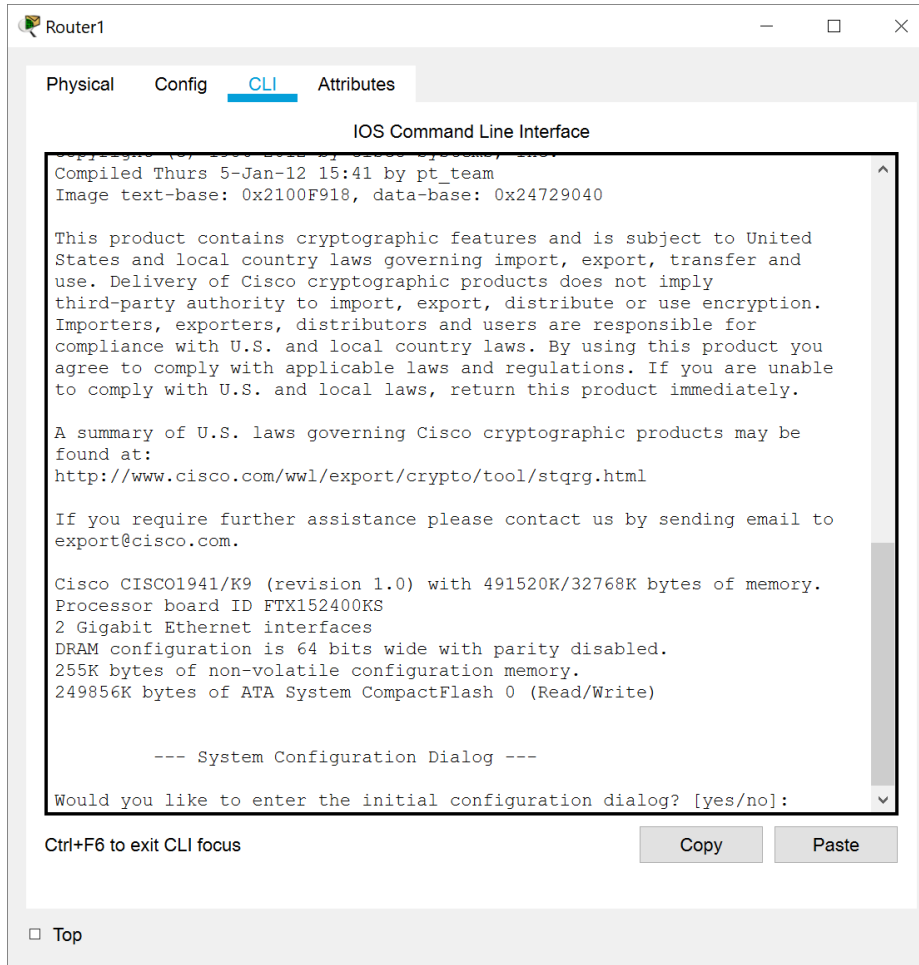
```
Router(config-if)#ip address 200.200.200.1  
255.255.255.252
```

Estamos usando uma máscara de sub-rede /30 entre os roteadores, para segurança e para evitar o desperdício de IPs.

```
Router(config-if)#exit
```

Roteamento Estático

Vamos acessar o Router1



The screenshot shows a web-based interface for a Cisco router named 'Router1'. The 'CLI' tab is selected under the 'Config' section. The main area displays the 'IOS Command Line Interface' with a scrollable text box containing the following information:

```
Compiled Thurs 5-Jan-12 15:41 by pt_team
Image text-base: 0x2100F918, data-base: 0x24729040

This product contains cryptographic features and is subject to United
States and local country laws governing import, export, transfer and
use. Delivery of Cisco cryptographic products does not imply
third-party authority to import, export, distribute or use encryption.
Importers, exporters, distributors and users are responsible for
compliance with U.S. and local country laws. By using this product you
agree to comply with applicable laws and regulations. If you are unable
to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be
found at:
http://www.cisco.com/wwl/export/crypto/tool/stqrg.html

If you require further assistance please contact us by sending email to
export@cisco.com.

Cisco CISC01941/K9 (revision 1.0) with 491520K/32768K bytes of memory.
Processor board ID FTX152400KS
2 Gigabit Ethernet interfaces
DRAM configuration is 64 bits wide with parity disabled.
255K bytes of non-volatile configuration memory.
249856K bytes of ATA System CompactFlash 0 (Read/Write)

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]:
```

Below the text box, there is a 'Ctrl+F6 to exit CLI focus' label and two buttons: 'Copy' and 'Paste'. At the bottom left, there is a 'Top' link.

Roteamento Estático

Router>**enable**

Router#**conf t**

Configurando a rede interna

Router(config)#**int g 0/0**

Router(config-if)#**no shutdown**

Router(config-if)#**ip address 192.168.1.1
255.255.255.0**

Roteamento Estático

Configurando a rede externa

```
Router(config-if)#int g 0/1
```

```
Router(config-if)#no shutdown
```

```
Router(config-if)#ip address 200.200.200.2  
255.255.255.252
```

```
Router(config-if)#end
```

```
Router#ping 200.200.200.1
```

Nesse momento podemos dar um ping até o outro roteador, mas não na próxima rede.

Roteamento Estático

Retorne ao Router0 para definir o roteamento

Router#**conf t**

Router(config)#**ip route 192.168.1.0 255.255.255.0
200.200.200.2**

Os parâmetros passados são: rede destino,
máscara, salto (next hop)

Roteamento Estático

Retorne ao Router1 para definir o roteamento

Router#**conf t**

Router(config)#**ip route 192.168.0.0 255.255.255.0
200.200.200.1**

Router(config)#**exit**

Router#**ping 192.168.0.1**

Roteamento Estático

Configure as estações de trabalho com os respectivos IPs de suas redes.

