



Serviços de Rede Local

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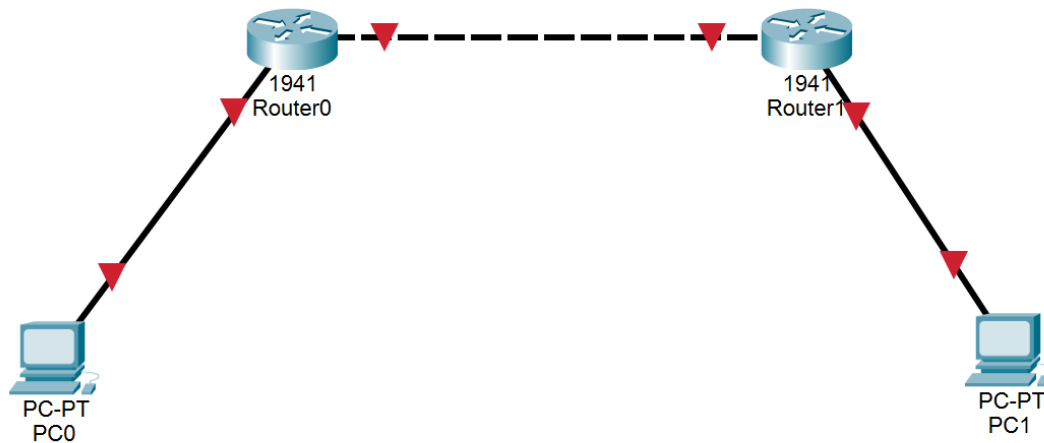
Roteamento Dinâmico com EIGRP



Roteamento Dinâmico

Este tipo de roteamento fará uso do protocolo EIGRP.

Vamos montar o seguinte cenário:



Roteamento Dinâmico

Configure a primeira estação de trabalho usando as configurações:

IP 192.168.0.1

Máscara 255.255.255.0

Gateway 192.168.0.100

A segunda estação de trabalho receberá as configurações:

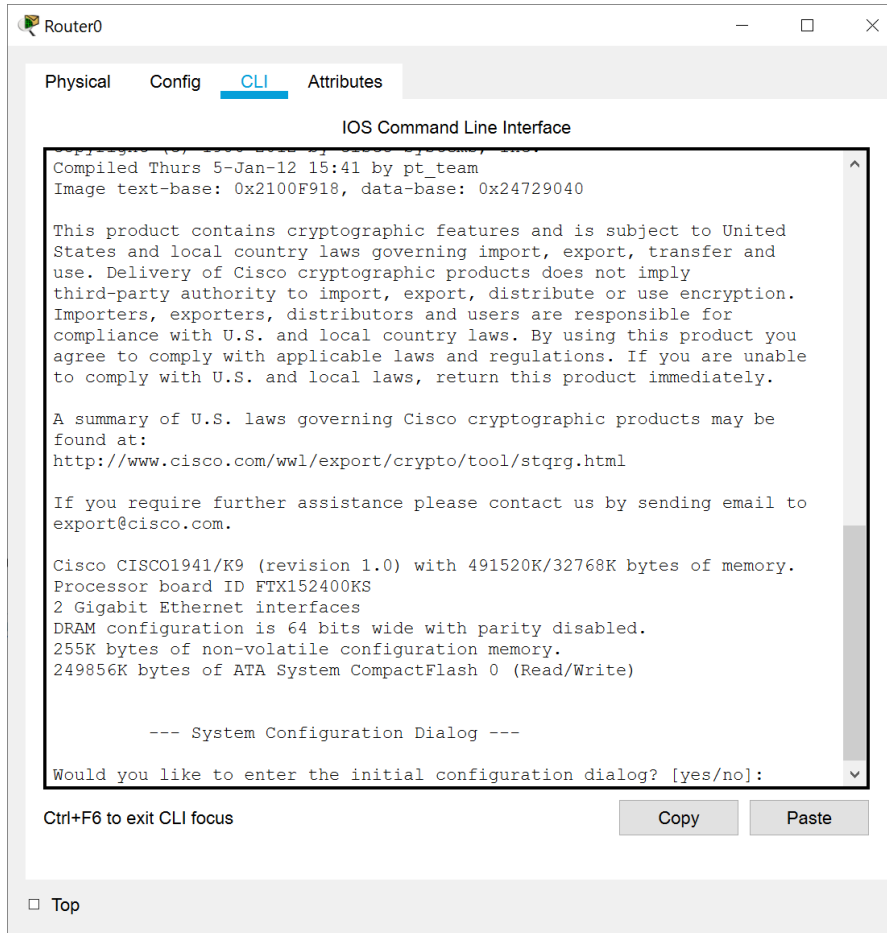
IP 192.168.1.1

Máscara 255.255.255.0

Gateway 192.168.1.100

Roteamento Dinâmico

Vamos configurar o primeiro roteador:



The screenshot shows a window titled "Router0" with tabs for "Physical", "Config", "CLI", and "Attributes". The "CLI" tab is active, displaying the "IOS Command Line Interface". The text in the CLI window includes:

```
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
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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]:
```

At the bottom of the CLI window, there is a "Ctrl+F6 to exit CLI focus" label and "Copy" and "Paste" buttons. Below the CLI window, there is a "Top" button.

Roteamento Dinâmico

Router>**enable**

Router#**conf t**

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

Router(config-if)#**ip address 192.168.0.100
255.255.255.0**

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

Roteamento Dinâmico

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

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

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

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

Roteamento Dinâmico

Configurando o roteamento dinâmico:

```
Router(config)#router eigrp 1
```

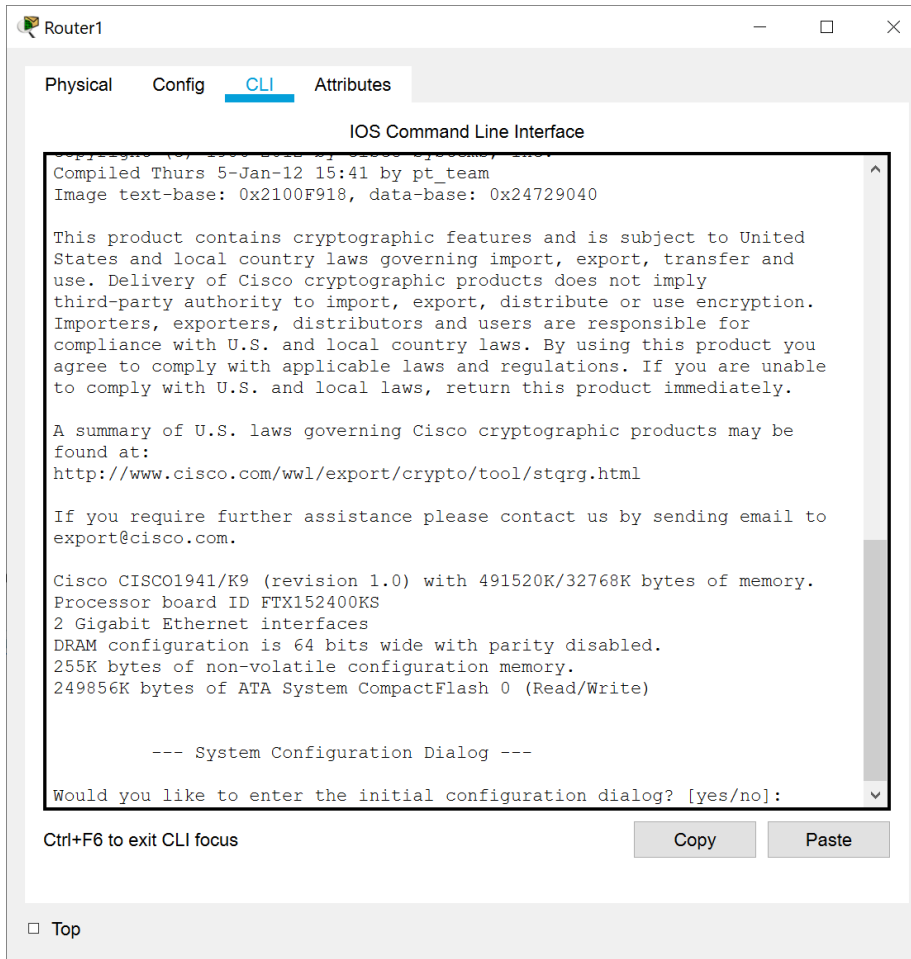
Colocando as redes que serão propagadas:

```
Router(config-router)#network 192.168.0.0
```

```
Router(config-router)#network  
200.200.200.0
```


Roteamento Dinâmico

Vamos configurar o segundo roteador:



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

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

Roteamento Dinâmico

Router>**enable**

Router#**conf t**

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

Router(config-if)#**ip address 192.168.1.100
255.255.255.0**

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

Roteamento Dinâmico

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

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

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

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

Roteamento Dinâmico

Configurando o roteamento dinâmico:

```
Router(config)#router eigrp 1
```

Colocando as redes que serão propagadas:

```
Router(config-router)#network 192.168.1.0
```

```
Router(config-router)#network  
200.200.200.0
```

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

Roteamento Dinâmico

Verificando a rota:

Router(config)#**show ip route**

Realize um ping entre os equipamentos.

