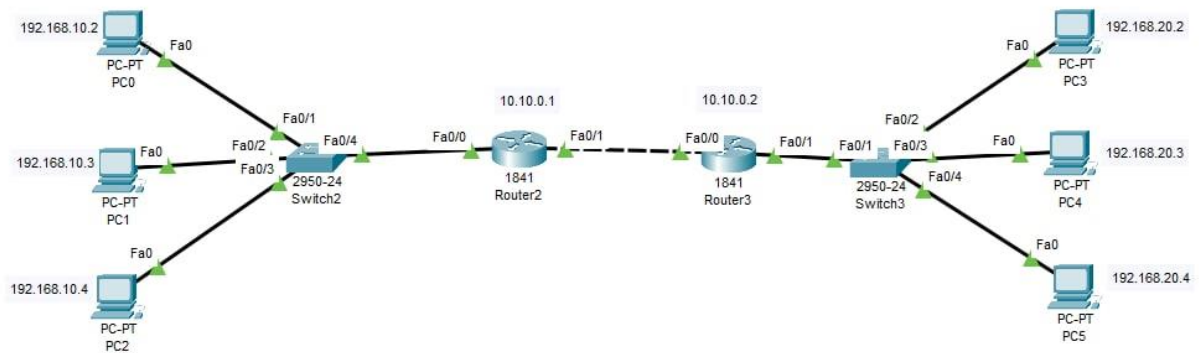


Схема:



Настройка динамической маршрутизации по протоколу RIP для роутеров:

Router3

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

RIP Routing

Network

Add

Network Address

10.0.0.0

192.168.20.0

Remove

Equivalent IOS Commands

```
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 192.168.20.1
Router(config-router)#network 10.10.0.2
Router(config-router)#exit
Router(config)#
```

Router2

Physical Config CLI Attributes

**GLOBAL**

- Settings
- Algorithm Settings

**ROUTING**

- Static
- RIP**

**SWITCHING**

- VLAN Database

**INTERFACE**

- FastEthernet0/0
- FastEthernet0/1
- Serial0/0/0
- Serial0/0/1

RIP Routing

Network

Add

Network Address

10.0.0.0
192.168.10.0

Remove

Equivalent IOS Commands

```
Router(config-if)#ip address 10.10.0.1 255.0.0.0
Router(config-if)#
Router#
Router#
Router#router rip
^
% Invalid input detected at '^' marker.

Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 192.168.10.1
Router(config-router)#network 10.10.0.1
Router(config-router)#end
```

Проверка таблиц маршрутизации для роутеров:

Router2

PhysicalConfigCLIAttributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Serial0/0/0

Serial0/0/1

Global Settings

Display NameRouter2

HostnameRouter

NVRAM

Erase

Save

Startup Config

Load...

Export...

Running Config

Export...

Merge...

Equivalent IOS Commands

Router#

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Router#

Router#

Router#show ip route rip

R 192.168.20.0/24 [120/1] via 10.10.0.2, 00:00:21, FastEthernet0/1

Router#show ip route rip

R 192.168.20.0/24 [120/1] via 10.10.0.2, 00:00:23, FastEthernet0/1

Router#

Router3

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Global Settings

Display Name

Router3

Hostname

Router

NVRAM

Erase

Save

Startup Config

Load...

Export...

Running Config

Export...

Merge...

Equivalent IOS Commands



```

Router(config-router)#exit
Router(config)#
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router#
%SYS-5-CONFIG_I: Configured from console bconfigure teconf tconf tconf tshow ip route rip
R   192.168.10.0/24 [120/1] via 10.10.0.1, 00:00:27, FastEthernet0/0

```

Успешная отправка пакета с PC0 на PC3

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic
	Successful	PC0	PC3	ICMP		0.000	N