**Маршрутизатор:**

Router#show startup-config

Using 3069 bytes

!

version 15.4

no service timestamps log datetime msec

no service timestamps debug datetime msec

no service password-encryption

!

hostname Router

!

enable password kBv724]xZgE4

!

!

ip dhcp excluded-address 192.168.0.1 192.168.0.39

ip dhcp excluded-address 192.168.0.51 192.168.0.255

ip dhcp excluded-address 192.168.1.1 192.168.1.39

ip dhcp excluded-address 192.168.1.51 192.168.1.255

ip dhcp excluded-address 192.168.2.51 192.168.2.255

ip dhcp excluded-address 192.168.2.1 192.168.2.39

ip dhcp excluded-address 192.168.3.1 192.168.3.39

ip dhcp excluded-address 192.168.3.51 192.168.3.255

!

ip dhcp pool WLAN-10

network 192.168.0.0 255.255.255.0

default-router 192.168.0.1

dns-server 8.8.8.8

domain-name wri

ip dhcp pool WLAN-11

network 192.168.1.0 255.255.255.0

default-router 192.168.1.1

dns-server 8.8.8.8

ip dhcp pool WLAN-12

network 192.168.2.0 255.255.255.0

default-router 192.168.2.1

dns-server 8.8.8.8

ip dhcp pool WLAN-13

network 192.168.3.0 255.255.255.0

default-router 192.168.3.1

dns-server 8.8.0.0

domain-name wri

!

!

!

ip cef

ipv6 unicast-routing

!

no ipv6 cef

!

ipv6 dhcp pool VLAN-10-pool

!

!

!

spanning-tree mode pvst

!

!

interface GigabitEthernet0/0/0

no ip address

duplex full

speed 1000

ipv6 enable

!

interface GigabitEthernet0/0/0.10

encapsulation dot1Q 10

ip address 192.168.0.1 255.255.255.0

ip access-group 10 in

ip access-group 10 out

ip nat inside

ipv6 address FD10::1/64

ipv6 enable

!

interface GigabitEthernet0/0/0.11

encapsulation dot1Q 11

ip address 192.168.1.1 255.255.255.0

ip access-group 11 out

ip nat inside

ipv6 address FD11::1/64

ipv6 enable

!

interface GigabitEthernet0/0/0.12

encapsulation dot1Q 12

ip address 192.168.2.1 255.255.255.0

ip nat inside

ipv6 address FD12::1/64

ipv6 enable

!

interface GigabitEthernet0/0/0.13

encapsulation dot1Q 13

ip address 192.168.3.1 255.255.255.0

ip access-group 13 out

ip nat inside

ipv6 address FD13::1/64

ipv6 enable

!

interface GigabitEthernet0/0/0.20

encapsulation dot1Q 20 native

ip address 192.168.20.1 255.255.255.0

ip nat inside

ipv6 address FD20::1/64

ipv6 enable

!

interface GigabitEthernet0/0/0.30

encapsulation dot1Q 30

ip address 192.168.30.1 255.255.255.0

ipv6 address FD30::1/64

ipv6 enable

!

interface GigabitEthernet0/0/1

ip address 6.0.0.2 255.192.0.0

ip nat outside

duplex auto

speed auto

ipv6 address 2A12:1380:F::/64

ipv6 enable

!

interface GigabitEthernet0/0/2

no ip address

duplex auto

speed auto

shutdown

!

interface Vlan1

no ip address

shutdown

!

ip nat pool out\_addr\_pool 6.0.0.2 6.0.0.2 netmask 255.192.0.0

ip nat inside source list 80 pool out\_addr\_pool overload

ip classless

!

ip flow-export version 9

!

!

access-list 80 permit 192.168.0.0 0.0.255.255

access-list 20 deny 192.168.0.0 0.0.0.255

access-list 20 deny 192.168.1.0 0.0.0.255

access-list 20 deny 192.168.2.0 0.0.0.255

access-list 20 deny 192.168.3.0 0.0.0.255

access-list 13 remark Access list for VLAN 13

access-list 13 deny 192.168.0.0 0.0.255.255

access-list 13 permit any

!

!

!

end

**Коммутатор:**

Switch#show startup-config

Current configuration : 3340 bytes

!

version 15.0

no service timestamps log datetime msec

no service timestamps debug datetime msec

no service password-encryption

!

hostname Switch

!

enable password 28a{A0II]>Dv

!

!

ip dhcp excluded-address 192.168.0.1 192.168.0.10

ip dhcp excluded-address 192.168.0.30 192.168.0.39

ip dhcp excluded-address 192.168.0.51 192.168.0.255

ip dhcp excluded-address 192.168.1.0 192.168.1.10

ip dhcp excluded-address 192.168.1.30 192.168.1.39

ip dhcp excluded-address 192.168.1.51 192.168.1.255

ip dhcp excluded-address 192.168.2.1 192.168.2.10

ip dhcp excluded-address 192.168.2.20 192.168.2.255

!

ip dhcp pool directorate-wired

network 192.168.0.0 255.255.255.0

default-router 192.168.0.1

ip dhcp pool production

network 192.168.1.0 255.255.255.0

default-router 192.168.1.1

ip dhcp pool accounting-sales

network 192.168.2.0 255.255.255.0

default-router 192.168.2.1

!

!

spanning-tree mode pvst

spanning-tree extend system-id

!

interface FastEthernet0/1

switchport access vlan 10

switchport mode access

!

interface FastEthernet0/2

switchport access vlan 10

switchport mode access

!

interface FastEthernet0/3

switchport access vlan 10

switchport mode access

!

interface FastEthernet0/4

switchport access vlan 10

switchport mode access

!

interface FastEthernet0/5

!

interface FastEthernet0/6

!

interface FastEthernet0/7

switchport access vlan 12

switchport mode access

!

interface FastEthernet0/8

switchport access vlan 12

switchport mode access

!

interface FastEthernet0/9

switchport access vlan 12

switchport mode access

!

interface FastEthernet0/10

switchport access vlan 11

switchport mode access

!

interface FastEthernet0/11

switchport access vlan 11

switchport mode access

!

interface FastEthernet0/12

switchport access vlan 11

switchport mode access

!

interface FastEthernet0/13

switchport access vlan 11

switchport mode access

!

interface FastEthernet0/14

switchport access vlan 11

switchport mode access

!

interface FastEthernet0/15

switchport access vlan 11

switchport mode access

!

interface FastEthernet0/16

switchport access vlan 11

switchport mode access

!

interface FastEthernet0/17

switchport trunk native vlan 20

switchport mode trunk

!

interface FastEthernet0/18

!

interface FastEthernet0/19

!

interface FastEthernet0/20

switchport access vlan 20

switchport trunk allowed vlan 10-13,20,30

switchport mode access

!

interface FastEthernet0/21

switchport access vlan 20

switchport trunk native vlan 20

switchport mode trunk

!

interface FastEthernet0/22

switchport access vlan 20

switchport trunk native vlan 20

switchport mode trunk

!

interface FastEthernet0/23

switchport access vlan 30

switchport mode access

!

interface FastEthernet0/24

switchport trunk native vlan 20

switchport mode trunk

!

interface GigabitEthernet0/1

switchport trunk native vlan 20

switchport mode trunk

duplex full

speed 1000

!

interface GigabitEthernet0/2

switchport trunk native vlan 20

switchport mode trunk

!

interface Vlan1

no ip address

shutdown

!

interface Vlan10

ip address 192.168.0.5 255.255.255.0

!

interface Vlan11

ip address 192.168.1.5 255.255.255.0

!

interface Vlan12

ip address 192.168.2.5 255.255.255.0

!

interface Vlan13

no ip address

!

interface Vlan20

no ip address

!

interface Vlan30

no ip address

!

!  
!end