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₽ r1
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Physical Config CLI Attributes

## IOS Command Line Interface

```
01:10:23: %OSPF-5-ADJCHG: Process 1, Nbr 5.5.5.5 on FastEthernet1/0 from FULL to DOWN,
Neighbor Down: Interface down or detached
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up
Router>en
Router#sh ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route
Gateway of last resort is not set
C
     10.0.0.0/8 is directly connected, FastEthernet0/0.320
     164.180.0.0/24 is subnetted, 1 subnets
C
        164.180.180.0 is directly connected, FastEthernet0/0
0
     172.17.0.0/16 [110/4] via 172.20.0.2, 00:02:27, FastEthernet0/1
    172.18.0.0/16 [110/2] via 172.20.0.2, 00:24:52, FastEthernet0/1
0
     172.20.0.0/24 is subnetted, 1 subnets
C
        172.20.0.0 is directly connected, FastEthernetO/l
0
     192.168.6.0/24 [110/3] via 172.20.0.2, 00:02:27, FastEthernet0/1
     192.168.16.0/24 [110/3] via 172.20.0.2, 00:01:12, FastEthernet0/1
     192.168.61.0/24 is directly connected, FastEthernet1/0
C
C
     192.168.100.0/24 is directly connected, FastEthernet0/0.300
C
     192.168.200.0/24 is directly connected, FastEthernet0/0.330
Routers
Router#
Router#
```

Сору

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 Physical
          Config CLI
                        Attributes
                                       IOS Command Line Interface
  LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernetl/0, changed state to down
  Router#sh ip route
  Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
         D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
         N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
         E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
         i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
         * - candidate default, U - per-user static route, o - ODR
         P - periodic downloaded static route
  Gateway of last resort is not set
  C
       10.0.0.0/8 is directly connected, FastEthernet0/0.320
       164.180.0.0/24 is subnetted, 1 subnets
  C
          164.180.180.0 is directly connected, FastEthernet0/0
       172.17.0.0/16 [110/4] via 172.20.0.2, 00:03:13, FastEthernet0/1
  0
  0
       172.18.0.0/16 [110/2] via 172.20.0.2, 00:25:38, FastEthernet0/1
       172.20.0.0/24 is subnetted, 1 subnets
  C
          172.20.0.0 is directly connected, FastEthernet0/1
       192.168.6.0/24 [110/3] via 172.20.0.2, 00:03:13, FastEthernet0/1
  C
       192.168.100.0/24 is directly connected, FastEthernet0/0.300
       192.168.200.0/24 is directly connected, FastEthernet0/0.330
```

Routers

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Routers Routers

```
OSPF Ha poyrepe:
router ospf 123 - включение OSPF процесса на роутре
router-id 12.12.12.12 - назначение Router-ID на роутере
network 1.1.1.0 0.0.0.255 area 0 - включение сети 1.1.1.0/24 в OSPF процесс в area 0
(соответственно и интерфейс из
этой сети включается в процесс OSPF)
Команды для show:
show ip ospf int (brief) - просмотр интерфейсов, включенных в OSPF процесс
show ip ospf nei - просмотр соседей по OSPF
sh ip route ospf - просмотр маршрутов, заинсталлированных в таблицу маршрутизации по протоколу
OSPF
VLAN на коммутаторе:
vlan 333 - создание влана 333
name TEST - даем название влану
interface FastEthernet0/1 - настройка порта в режиме Access с вланом 10
switchport access vlan 10
switchport mode access
interface GigabitEthernet0/1 - настройка порта в режиме Trunk с вланом 10 и 20
switchport trunk allowed vlan 10,20
( switchport trunk allowed vlan add, remove) - добавить, удалить влан из списка
switchport mode trunk
VLAN на роутере:
interface GigabitEthernet0/0/0.10 - создание подинтерфейса на порту GigabitEthernet0/0/0 с ID 10.
encapsulation dot 10 - включение подинтерфейса Gigabit Ethernet 0/0/0.10 во влан 10.
no ip address
interface GigabitEthernet0/0/0.20 - создание подинтерфейса на порту GigabitEthernet0/0/0 с ID 20.
encapsulation dot1Q 20 - включение подинтерфейса GigabitEthernet0/0/0.10 во влан 20.
no ip address - (не забывайте назначить IP адрес)
Команды для show:
sh vlan
```

sh int gigabitEthernet 0/1 switchport