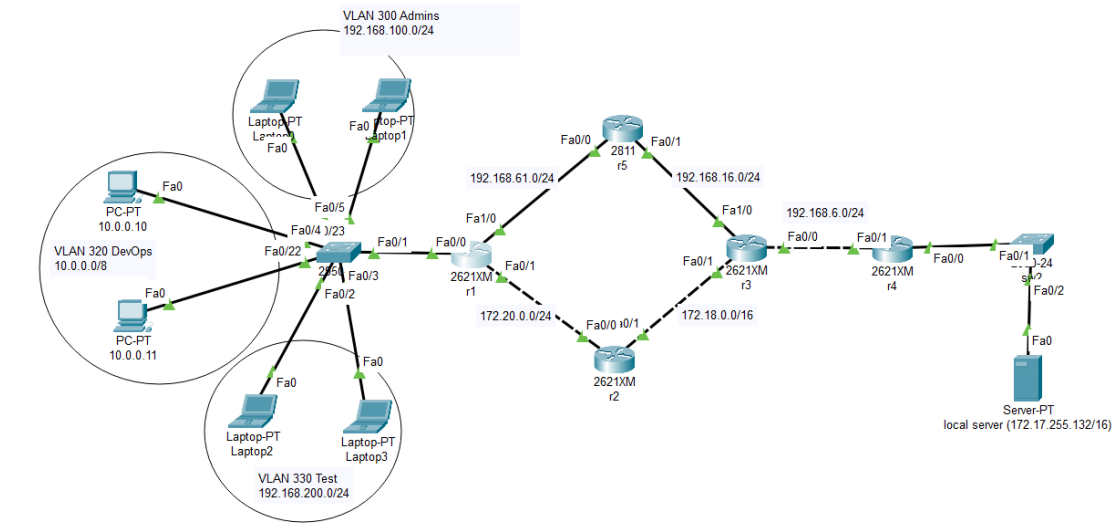
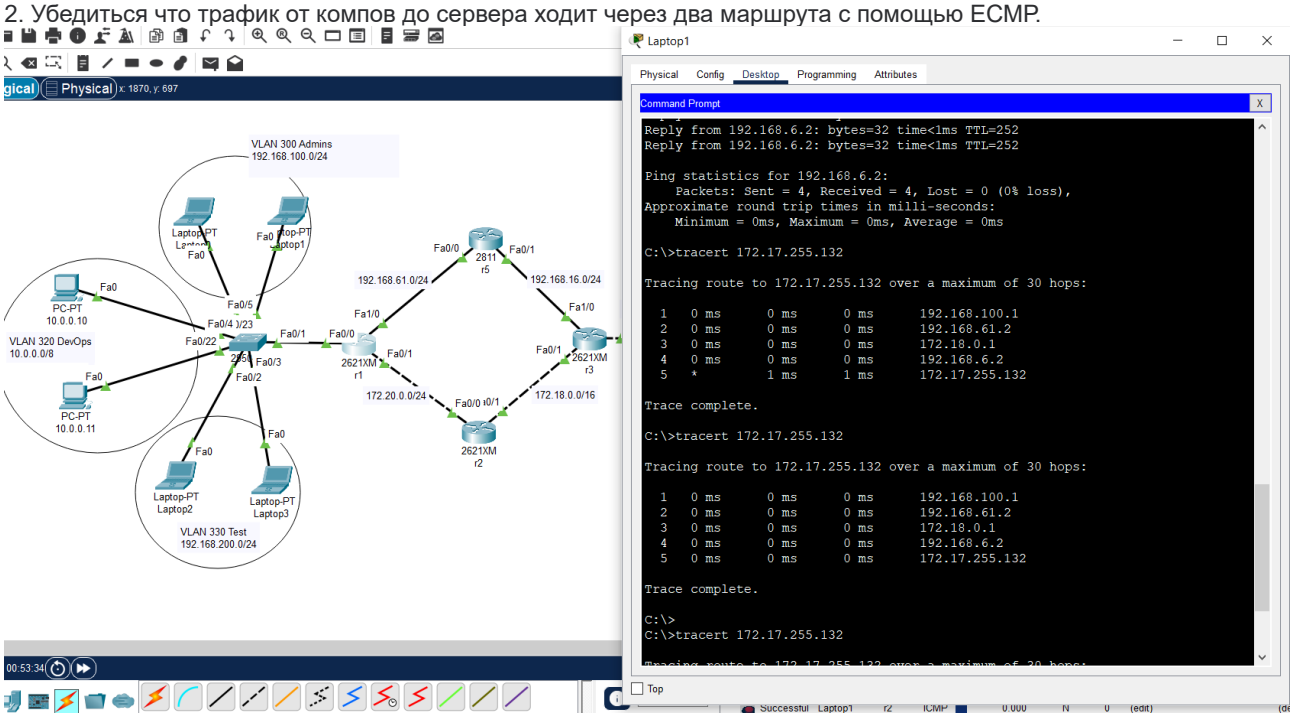
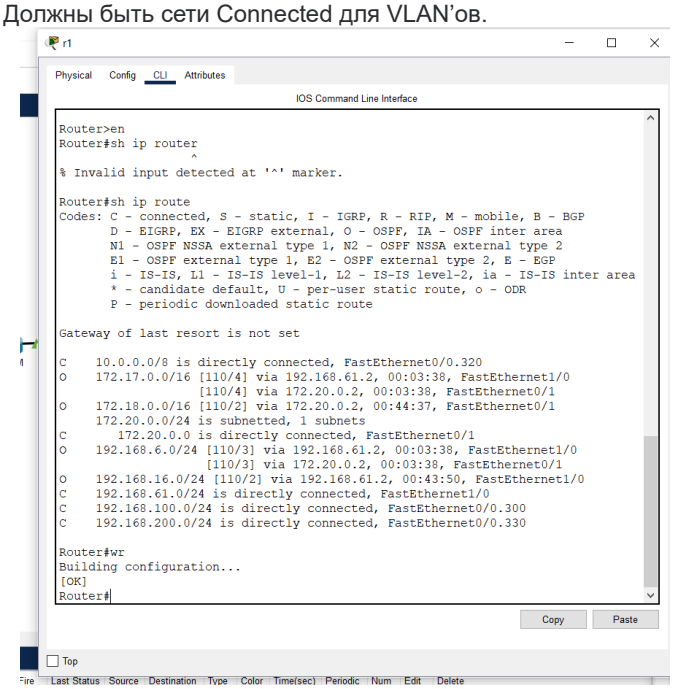
1. Настроить сеть согласно схеме в файле с помощью OSPF и VLAN. Починить неработающие линки.



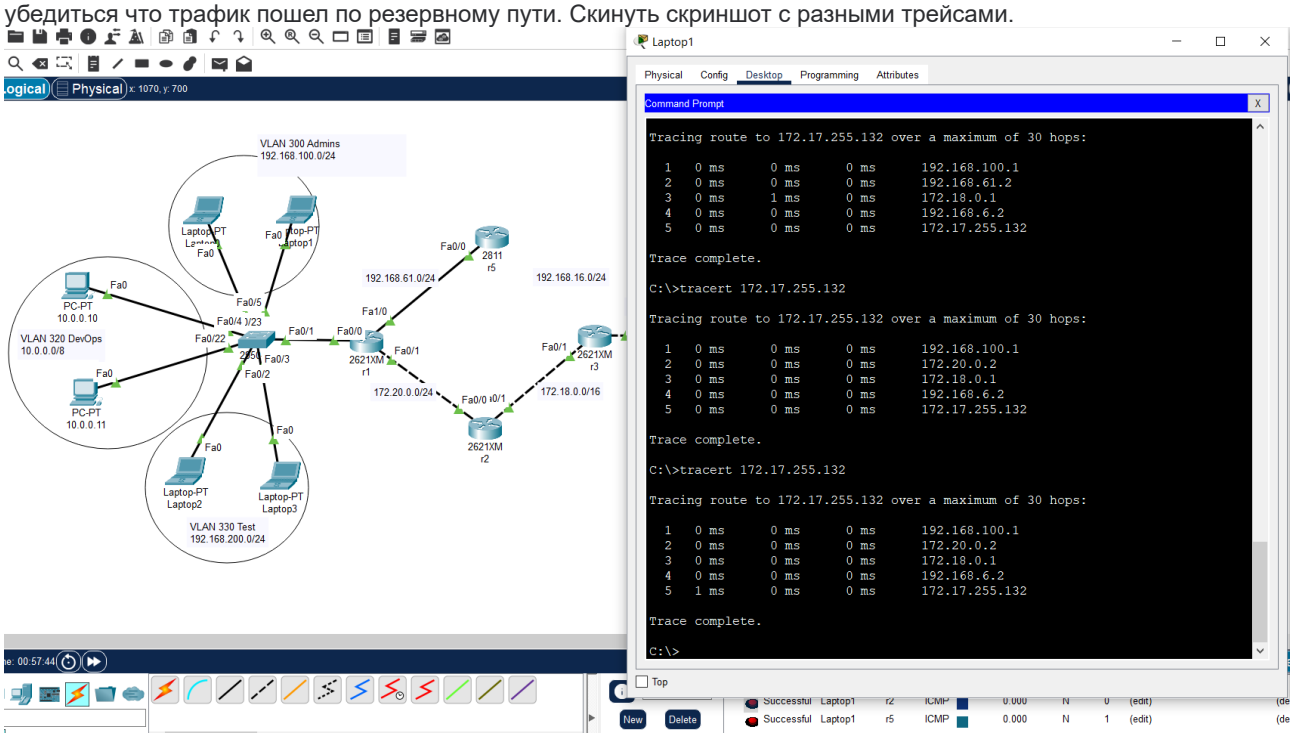
2. Убедиться что трафик от компов до сервера ходит через два маршрута с помощью ECMP.



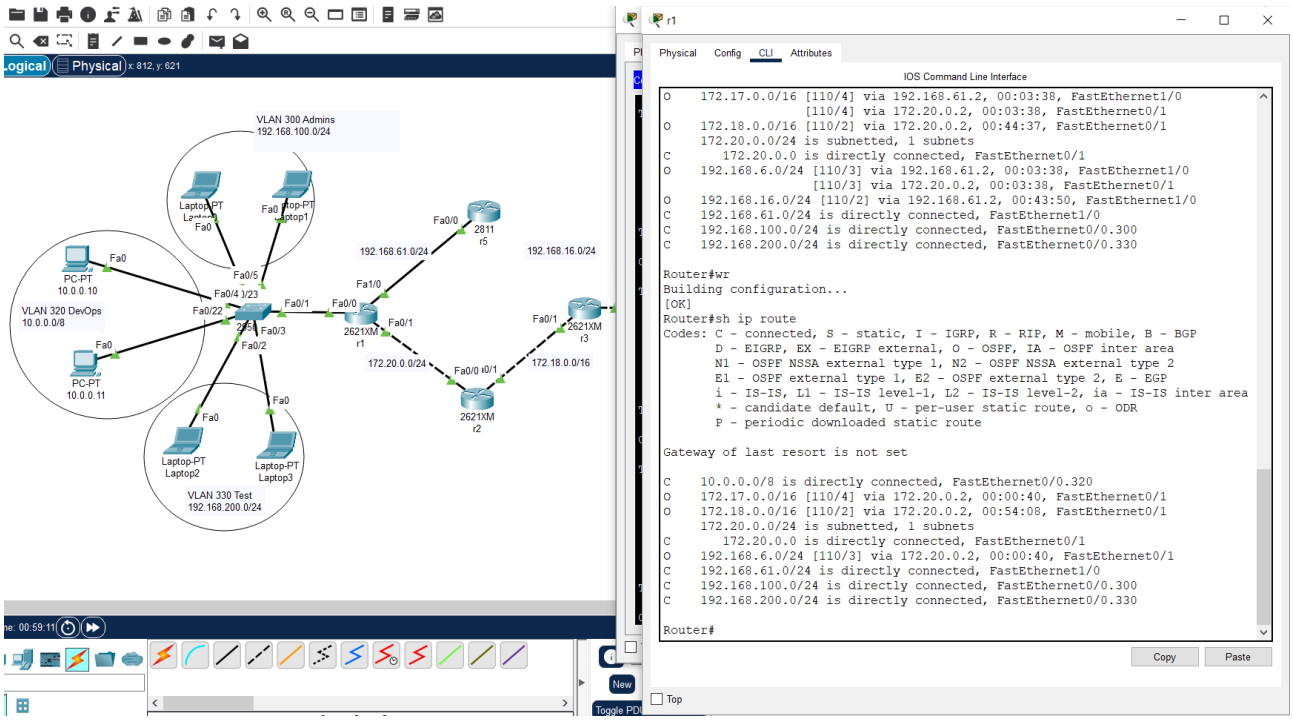
3. Скинуть скриншот с таблицей маршрутизации с r1. Должны быть сети Connected для VLAN’ов.



4. Поймать трейс на любом компе, когда он пойдет через r5. Удалить один из линков на r5. Снова сделать трейс, убедиться что трафик пошел по резервному пути. Скинуть скриншот с разными трейсами.



Скинуть еще один скриншот с изменившейся таблицей маршрутизации с r1.


Logical
Physical
x: 812, y: 621
VLAN 300 Admins
192.168.100.0/24
Laptop-PT
Laptop1
PC-PT
10.0.0.10
VLAN 320 DevOps
10.0.0.0/8
PC-PT
10.0.0.11
Fa0/5
Fa0/4
Fa0/22
Fa0/1
Fa0/3
Fa0/2
Fa1/0
Fa0/0
Fa0/1
2621XM
r1
192.168.61.0/24
2811
r5
192.168.16.0/24
172.20.0.0/24
Fa0/0
Fa0/1
2621XM
r2
2621XM
r3
172.18.0.0/16
Laptop-PT
Laptop2
Laptop-PT
Laptop3
VLAN 330 Test
192.168.200.0/24
New
Toggle PDU
r1
Physical
Config
CLI
Attributes
IOS Command Line Interface
O 172.17.0.0/16 [110/4] via 192.168.61.2, 00:03:38, FastEthernet1/0
[110/4] via 172.20.0.2, 00:03:38, FastEthernet0/1
O 172.18.0.0/16 [110/2] via 172.20.0.2, 00:44:37, FastEthernet0/1
172.20.0.0/24 is subnetted, 1 subnets
C 172.20.0.0 is directly connected, FastEthernet0/1
O 192.168.6.0/24 [110/3] via 192.168.61.2, 00:03:38, FastEthernet1/0
[110/3] via 172.20.0.2, 00:03:38, FastEthernet0/1
O 192.168.16.0/24 [110/2] via 192.168.61.2, 00:43:50, FastEthernet1/0
C 192.168.61.0/24 is directly connected, FastEthernet1/0
C 192.168.100.0/24 is directly connected, FastEthernet0/0.300
C 192.168.200.0/24 is directly connected, FastEthernet0/0.330
Router#wr
Building configuration...
[OK]
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
O 172.17.0.0/16 [110/4] via 172.20.0.2, 00:00:40, FastEthernet0/1
O 172.18.0.0/16 [110/2] via 172.20.0.2, 00:54:08, FastEthernet0/1
172.20.0.0/24 is subnetted, 1 subnets
C 172.20.0.0 is directly connected, FastEthernet0/1
O 192.168.6.0/24 [110/3] via 172.20.0.2, 00:00:40, FastEthernet0/1
C 192.168.61.0/24 is directly connected, FastEthernet1/0
C 192.168.100.0/24 is directly connected, FastEthernet0/0.300
C 192.168.200.0/24 is directly connected, FastEthernet0/0.330
Router#
Copy
Paste
Top