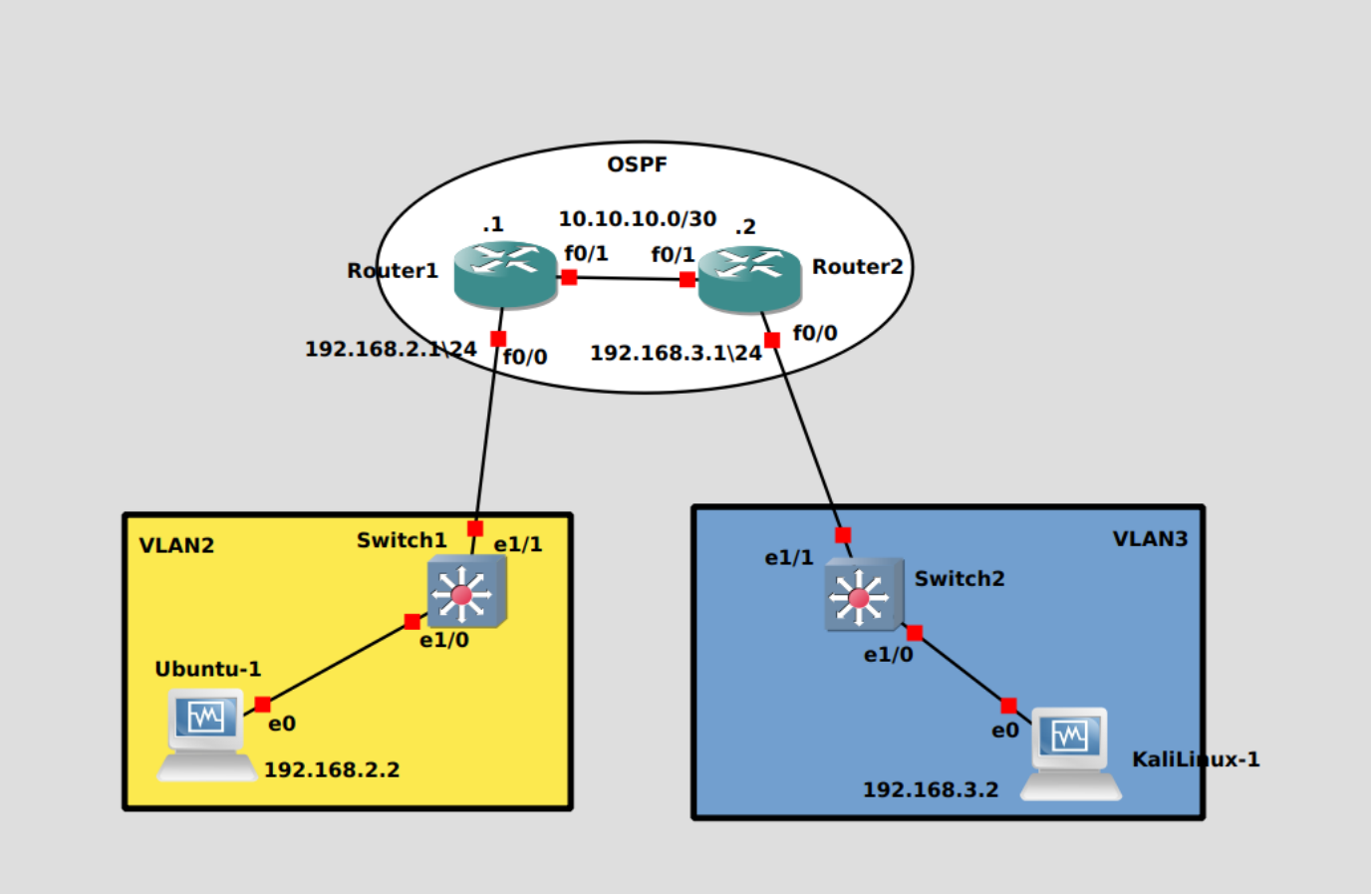
Homework 2.1

Получилась простейшая схема:



Подняты два влана: VLAN2, VLAN3;
Два свитча - это два IOU устройства, вроде как обычные свитчи или же L3 коммутаторы. Вообщем, настроил один порт внутри access, наружу trunk.
Два роутера, между ними настроил OSPF между тремя сетками: 192.168.2.0\24, 192.168.3.0\24, 10.10.10.0/30;
Доказательством является:

1. Скрин соседей и таблицы маршрутов у Роутера 1:

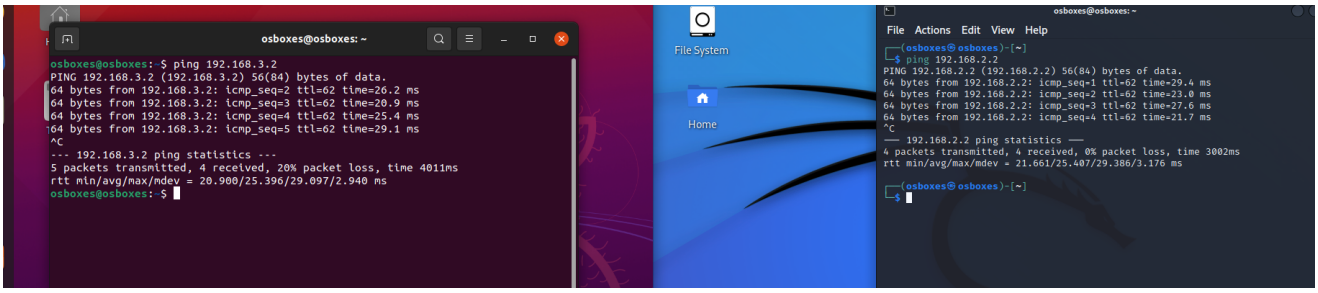
```
Router1#show ip ospf neighbor

Neighbor ID     Pri   State           Dead Time   Address         Interface
192.168.100.3     1   2WAY/DROTHER    00:00:37    10.10.10.2      FastEthernet0/1
Router1#
*Mar  1 00:00:42.559: %OSPF-5-ADJCHG: Process 1, Nbr 192.168.100.3 on FastEthernet0/1 from LOADING to FULL, Loading Done
Router1#show ip route
Router1#show ip route
Codes: C - connected, S - static, 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
       i - IS-IS, su - IS-IS summary, 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

     10.0.0.0/30 is subnetted, 1 subnets
C       10.10.10.0 is directly connected, FastEthernet0/1
C    192.168.2.0/24 is directly connected, FastEthernet0/0.2
     192.168.100.0/32 is subnetted, 1 subnets
C       192.168.100.1 is directly connected, Loopback0
O    192.168.3.0/24 [110/20] via 10.10.10.2, 00:00:07, FastEthernet0/1
Router1#
```

2. Аналогично у второго роутера:

```
Router2#show ip ospf neighbor

Neighbor ID     Pri   State           Dead Time   Address         Interface
192.168.100.1     1   FULL/BDR        00:00:33    10.10.10.1      FastEthernet0/1
Router2#show ip route
Router2#show ip route
Codes: C - connected, S - static, 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
       i - IS-IS, su - IS-IS summary, 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

     10.0.0.0/30 is subnetted, 1 subnets
C       10.10.10.0 is directly connected, FastEthernet0/1
O    192.168.2.0/24 [110/20] via 10.10.10.1, 00:04:05, FastEthernet0/1
     192.168.100.0/32 is subnetted, 1 subnets
C       192.168.100.3 is directly connected, Loopback0
C    192.168.3.0/24 is directly connected, FastEthernet0/0.3
Router2#
```

3. Пинги:

   От Ubuntu-1 до Kali и наоборо:



Исходники проекта приложу