

# МИНОБРНАУКИ РОССИИ

Федеральное государственное бюджетное образовательное учреждение Высшего образования

«Московский государственный технологический университет

# «СТАНКИН»

**(ФГБОУ ВО МГТУ «СТАНКИН»)**

***ФАКУЛЬТЕТ***

информационных технологий и систем управления

Кафедра

информационных систем

Отчет по лабораторной работе №1

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Подпись

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подпись

Москва 2024 г.

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| Устройства | Протоко л | Интерфейс | | IP-адрес | Маска подсети | Шлюз по умолчани  ю | Класте р |
| Router-SF | ospf 20 | FastEthernet0/0 | | 192.168.1.1 | 255.255.255.  0 | - | Cluster 0 |
| FastEtherne t0/0 | .10 | 192.168.2.1 | 255.255.255.  0 | - |
| .20 | 172.16.1.1 | 255.255.255.  0 | - |
| FastEthernet0/1 | | 20.16.2.10 | 255.255.255.  252 | - |
| Ethernet0/1/0 | | 20.16.2.1 | 255.255.255.  252 | - |
| Router- Seattle | ospf 20 | FastEthernet0/0 | | 20.16.2.2 | 255.255.255.  252 | - | Cluster 0 |
| FastEthernet0/1 | | 20.16.2.5 | 255.255.255.  252 |
| Router- NY | ospf 20 | FastEthernet0/0 | | 20.16.2.6 | 255.255.255.  252 | - | Cluster 0 |
| Ethernet0/1/0 | | 20.16.2.9 | 255.255.255.  252 | - |
| FastEthernet0/1 | | 100.100.100.2 | 255.255.255.  252 | - |
| Router- London | eigrp 10,  ospf 20 | FastEthernet0/0 | | 100.100.100.1 | 255.255.255.  252 | - | Cluster 1 |
| FastEthernet0/1 | | 200.200.200.2  (eigrp 10) | 255.255.255.  252 |
| Router-SPb | eigrp 10 | FastEthernet0/0 | | 200.200.200.1 | 255.255.255.  252 | - | Cluster 2 |
| FastEthernet0/1 | | 20.16.3.9 | 255.255.255.  252 |
| Ethernet0/1/0 | | 20.16.3.2 | 255.255.255.  252 |
| Router\_Sama ra | eigrp 10 | FastEthernet0/0 | | 20.16.3.10 | 255.255.255.  252 | - | Cluster 2 |
| FastEthernet0/1 | | 20.16.3.6 | 255.255.255.  252 |
| Router- Moscow | eigrp 10 | FastEthernet0/0 | | 192.168.10.1 | 255.255.255.  0 | - | Cluster 2 |
| FastEtherne t0/0 | .40 | 192.168.40.1 | 255.255.255.  0 |
| .50 | 172.16.50.1 | 255.255.255.  0 |
| FastEthernet0/1 | | 20.16.3.5 | 255.255.255.  252 |
| Ethernet0/1/0 | | 20.16.3.1 | 255.255.255.  252 |
| Switch-Core- SF | spanning  -tree | Fa0/1 | | Trunk |  | - | - |
| Fa0/2 | | Trunk |  |
| Fa0/3 | | Trunk |  |
| Fa0/4 | | Trunk |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | Vlan 1 | 192.168.1.3 | 255.255.255.  0 |  |  |
| Switch 1 | spanning  -tree | FastEthernet0/1 | Access | Vlan 10 | - | - |
| FastEthernet0/2 | Access | Vlan 20 |
| FastEthernet0/3 | Trunk |  |
| FastEthernet0/4 | Trunk |  |
| FastEthernet0/5 | - | - |
| Vlan 1 | 192.168.1.2 | 255.255.255.  0 |
| Switch 2 | spanning  -tree | Fa0/1 | Access | Vlan 10 | - | - |
| Fa0/2 | Access | Vlan 20 |
| Fa0/3 | Trunk |  |
| Fa0/4 | Trunk |  |
| Vlan 1 | 192.168.1.4 | 255.255.255.  0 |
| Switch- Moscow | spanning  -tree | Fa0/1 | Trunk |  | 192.168.1  0.1 | - |
| Fa0/2 | Trunk |  |
| Fa0/3 | Trunk |  |
| Vlan 1 | 192.168.10.2 | 255.255.255.  0 |
| Switch3 | spanning  -tree | Fa0/1 | trunk |  | 192.168.1  0.1 | - |
| Fa0/2 | trunk |  |
| Fa0/3 | access | vlan 40 |
| Fa0/4 | access | vlan 50 |
| Vlan 1 | 192.168.10.4 | 255.255.255.  0 |
| Switch 4 | spanning  -tree | Fa0/1 | trunk |  | 192.168.1  0.1 | - |
| Fa0/2 | trunk |  |
| Fa0/3 | access | vlan 40 |
| Fa0/4 | access | vlan 50 |
| Vlan 1 | 192.168.10.3 | 255.255.255.  0 |
| admin | - | NIC | 192.168.1.15 | 255.255.255.  0 | 192.168.1.  1 | - |
| Pc0 | - | NIC | 192.168.2.100 | 255.255.255.  0 | 192.168.2.  1 | - |
| Pc1 | - | NIC | 172.16.1.100 | 255.255.255.  0 | 172.16.1.1 | - |
| Pc2 | - | NIC | 192.168.2.101 | 255.255.255.  0 | 192.168.2.  1 | - |
| Pc3 | - | NIC | 172.16.1.101 | 255.255.255.  0 | 172.16.1.1 | - |
| Pc4 | - | NIC | 192.168.40.2 | 255.255.255.  0 | 192.168.4  0.1 | - |
| Pc5 | - | NIC | 172.16.50.17 | 255.255.255.  0 | 172.16.50.  1 | - |
| Pc6 | - | NIC | 192.168.40.37 | 255.255.255.  0 | 192.168.4  0.1 | - |
| Pc7 | - | NIC | 172.16.50.13 | 255.255.255.  0 | 172.16.50.  1 | - |

SSH: login – karim, password – 123 domain – km.ru

# Схема стеи

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