

**МИНОБРНАУКИ РОССИИ**

**федеральное государственное бюджетное образовательное учреждение**

**высшего образования**

**«Московский государственный технологический университет «СТАНКИН»**

**(ФГБОУ ВО «МГТУ «СТАНКИН»)**

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| **Институт  информационных технологий** | **Кафедра информационных систем** |

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| **Основная образовательная программа 09.03.02 «Информационные системы и технологии»**  **Отчет по дисциплине «Администрирование информационных сетей»** | | | |
| **по лабораторной работе №1** | | | |
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| **Проверил**  **преподаватель** |  | **Сосенушкин С.Е.** |
|  | подпись |  |
| **Выполнил**  **студент группы ИДБ-22-06** |  | **Мустафаева П.М.** |
|  | подпись |  |

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| Устройства | Протокол | Интерфейс | | IP-адрес | Маска подсети | Шлюз по умолчанию | Кластер |
| Router-SF | ospf 20 | FastEathernet0/0 | | 192.168.1.1 | 255.255.255.0 |  | Cluster 0 |
| FastEathernet0/0 | .10 | 192.168.2.1 | 255.255.255.0 |  |
| .20 | 172.16.1.1 | 255.255.255.0 |  |
| FastEathernet0/1 | | 20.16.2.10 | 255.255.255.252 |  |
| Eathernet0/1/0 | | 20.16.2.1 | 255.255.255.252 |  |
| Router-Seattle | ospf 20 | FastEathernet0/0 | | 20.16.2.2 | 255.255.255.252 |  | Cluster 0 |
| FastEathernet0/1 | | 20.16.2.5 | 255.255.255.252 |
| Router-NY | ospf 20 | FastEathernet0/0 | | 20.16.2.6 | 255.255.255.252 |  | Cluster 0 |
| FastEathernet0/1 | | 100.100.100.2 | 255.255.255.252 |  |
| Eathernet0/1/0 | | 20.16.2.9 | 255.255.255.252 |  |
| Router-London | eigrp 10, ospf 20 | FastEathernet0/0 | | 100.100.100.1 | 255.255.255.252 |  | Cluster 1 |
| FastEathernet0/1 | | 200.200.200.2 | 255.255.255.252 |
| Router-SPb | eigrp 10 | FastEathernet0/0 | | 200.200.200.1 | 255.255.255.252 |  | Cluster 2 |
| FastEathernet0/1 | | 20.16.3.9 | 255.255.255.252 |
| Eathernet0/1/0 | | 20.16.3.2 | 255.255.255.252 |
| Router-Samara |  | FastEathernet0/0 | | 20.16.3.10 | 255.255.255.252 |  | Cluster 2 |
| FastEathernet0/1 | | 20.16.3.6 | 255.255.255.252 |
| Router-Moscow |  | FastEathernet0/0 | | 192.168.10.1 | 255.255.255.0 |  | Cluster 2 |
| FastEathernet0/0 | .40 | 192.168.40.1 | 255.255.255.0 |
| .50 | 172.16.50.1 | 255.255.255.0 |
| FastEathernet0/1 | | 20.16.3.5 | 255.255.255.252 |
| Eathernet0/1/0 | | 20.16.3.1 | 255.255.255.252 |
| Switch\_Core\_SF | Spanning-tree | FastEathernet0/1 | | Trunk |  |  | - |
| FastEathernet0/2 | | Trunk |  |
| FastEathernet0/3 | | Trunk |  |
| FastEathernet0/4 | | Trunk |  |
| Vlan 1 | | 192.168.1.3 | 255.255.255.0 |
| Switch 1 | Spanning-tree | FastEathernet0/1 | | Access | Vlan 10 |  | - |
| FastEathernet0/2 | | Access | Vlan 20 |
| FastEathernet0/3 | | Trunk |  |
| FastEathernet0/4 | | Trunk |  |
| Vlan 1 | | 192.168.1.2 | 255.255.255.0 |
| Switch 2 | Spanning-tree | FastEathernet0/1 | | Access | Vlan 10 |  | - |
| FastEathernet0/2 | | Access | Vlan 20 |
| FastEathernet0/3 | | Trunk |  |
| FastEathernet0/4 | | Trunk |  |
| Vlan 1 | | 192.168.1.4 | 255.255.255.0 |
| Switch-Moscow | Spanning-tree | FastEathernet0/1 | | Trunk |  | 192.168.10.1 | - |
| FastEathernet0/2 | | Trunk |  |
| FastEathernet0/3 | | trunk |  |
| Vlan 1 | | 192.168.10.2 | 255.255.255.0 |
| Switch 3 | Spanning-tree | FastEathernet0/1 | | Trunk |  | 192.168.10.1 | - |
| FastEathernet0/2 | | Trunk |  |
| FastEathernet0/3 | | Access | Vlan 40 |
| FastEathernet0/4 | | Access | Vlan 50 |
| Vlan 1 | | 192.168.10.4 | 255.255.255.0 |
| Switch 4 | Spanning-tree | FastEathernet0/1 | | Trunk |  | 192.168.10.1 | - |
| FastEathernet0/2 | | Trunk |  |
| FastEathernet0/3 | | Access | Vlan 40 |
| FastEathernet0/4 | | Access | Vlan 50 |
| Vlan 1 | |  |  |
| 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 | 192.168.40.1 | - |
| Pc5 | - | NIC | | 172.16.50.13 | 255.255.255.0 | 172.16.50.1 | - |
| Pc6 | - | NIC | | 192.168.40.37 | 255.255.255.0 | 192.168.40.1 | - |
| Pc7 | - | NIC | | 172.16.50.17 | 255.255.255.0 |  | - |

**Структура сети**

