Redes de Computadores

Exercício – Atribua IP’s para as seguintes redes:

**#1  
Atendimento  
7 hosts**

**NET**

**#2  
Administração**

**30 hosts**

**#3  
Laboratórios**

**60 hosts**

**ETH1**

Observações;

1. Atribua IP’s, Mask, Gateways, DNS para o servidor e o 1ª,2ª e último host da cada departamento.
2. Utilize as seguintes classes:

* Atendimento = Classe C
* Administrativo = Classe B
* Laboratório = Classe A

1. Mensure a máscara de sub-rede para que utilize o mínimo possível de IP’s.
2. Atribua o IP para a ETH1 do servidor, para que atenda cada departamento, separado logicamente.
3. Atribuir um IP roteável à ETH0 do servidor

ETH0

IP 201.62.64.59

Mask 255.255.255.252

Gw 201.62.64.58

DNS 201.62.64.58

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| #1 Atendimento | Rede 192.168.0.0 | Bcast 192.168.0.15 |
| Servidor ETH1  IP 192.168.0.1  Mask 255.255.255.240 | IPs disponíveis  192.168.0.1  Ao  192.168.0.14 |  |
| Host 1 | Host 2 | Host 7 |
| IP 192.168.0.2  Mask 255.255.255.240  GW 192.168.0.1  DNS 192.168.0.1 | IP 192.168.0.3  Mask 255.255.255.240  GW 192.168.0.1  DNS 192.168.0.1 | IP 192.168.0.8  Mask 255.255.255.240  GW 192.168.0.1  DNS192.168.0.1 |

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| #2 Administração | Rede 172.16.0.0 | Bcast 172.16.0.63 |
| Servidor ETH1  IP 172.16.0.1  Mask 255.255.255.192 | 172.16.0.1  Ao  172.16.0.62 |  |
| Host 1 | Host 2 | Host 30 |
| IP 172.16.0.2  Mask 255.255.255.192  GW 172.16.0.1  DNS 172.16.0.1 | IP 172.16.0.3  Mask 255.255.255.192  GW 172.16.0.1  DNS 172.16.0.1 | IP 172.16.0.31  Mask 255.255.255.192  GW 172.16.0.1  DNS 172.16.0.1 |

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| #3 Laboratórios | Rede 10.0.0.0 | Bcast 10.0.0.63 |
| Servidor ETH1  IP 10.0.0.1  Mask 255.255.255.192 | 10.0.0.1  Ao  10.0.0.62 |  |
| Host 1 | Host 2 | Host 60 |
| IP 10.0.0.2  Mask 255.255.255.192  GW 10.0.0.1  DNS 10.0.0.1 | IP 10.0.0.3  Mask 255.255.255.192  GW 10.0.0.1  DNS 10.0.0.1 | IP 10.0.0.61  Mask 255.255.255.192  GW 10.0.0.1  DNS 10.0.0.1 |

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| Administração |  |  |
| Host 1 | Host 2 | Host 30 |
| IP 172.16.0.2  Mask 255.255.255.192  GW 172.16.0.1  DNS 172.16.0.1 | IP 172.16.0.3  Mask 255.255.255.192  GW 172.16.0.1  DNS 172.16.0.1 | IP 172.16.0.31  Mask 255.255.255.192  GW 172.16.0.1  DNS 172.16.0.1 |

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| Laboratório |  |  |
| Host 1 | Host 2 | Host 60 |
| IP 10.0.0.2  Mask 255.255.255.192  GW 10.0.0.1  DNS 10.0.0.1 | IP 10.0.0.3  Mask 255.255.255.192  GW 10.0.0.1  DNS 10.0.0.1 | IP 10.0.0.61  Mask 255.255.255.192  GW 10.0.0.1  DNS 10.0.0.1 |