



Relatório Mini-Projeto

Endereçamento IPv4 e IPv6 de uma rede empresarial

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Tabela 1: IPv4 Público

| IP/Mask | | Gama de Endereços | Broadcast |
|-----------------|--------------------|-----------------------------------|-----------------|
| DMZ VLAN | 200.158.105.0/26 | 200.158.105.1 - 200.158.105.62 | 200.158.105.63 |
| Datacenter VLAN | 200.158.105.64/26 | 200.158.105.65 - 200.158.105.126 | 200.158.105.127 |
| Marketing VLAN | 200.158.105.128/26 | 200.158.105.129 - 200.158.105.190 | 200.158.105.191 |
| Admin VLAN | 200.158.105.192/28 | 200.158.105.193 - 200.158.105.206 | 200.158.105.207 |
| Router 1 | 200.158.105.208/28 | 200.158.105.209 - 200.158.105.222 | 200.158.105.223 |
| Design VLAN | 200.158.105.224/28 | 200.158.105.225 - 200.158.105.238 | 200.158.105.239 |

Tabela 2: IPv4 Privado

| IP/Mask | | Gama de Endereços | Broadcast |
|-----------------|---------------|---------------------------|--------------|
| DMZ VLAN | 10.185.0.0/24 | 10.185.0.1 - 10.185.0.254 | 10.185.0.255 |
| Datacenter VLAN | 10.185.1.0/24 | 10.185.1.1 - 10.185.1.254 | 10.185.1.255 |
| Marketing VLAN | 10.185.2.0/24 | 10.185.2.1 - 10.185.2.254 | 10.185.2.255 |
| Admin VLAN | 10.185.3.0/24 | 10.185.3.1 - 10.185.3.254 | 10.185.3.255 |
| Design VLAN | 10.185.4.0/24 | 10.185.4.1 - 10.185.4.254 | 10.185.4.255 |
| Research VLAN | 10.185.5.0/24 | 10.185.5.1 - 10.185.5.254 | 10.185.5.255 |

Tabela 3: IPv6 Global

| IP/Mask | |
|-----------------|-----------------|
| DMZ VLAN | 2001:82:: /64 |
| Datacenter VLAN | 2001:82:1:: /64 |
| Marketing VLAN | 2001:82:2:: /64 |
| Admin VLAN | 2001:82:3:: /64 |
| Design VLAN | 2001:82:4:: /64 |
| Research VLAN | 2001:82:5:: /64 |



Ligações Ponto a Ponto

Tabela 4: IPv4

| | IP/Mask | Broadcast |
|------------------------|----------------|------------------|
| SWL2 - Router A | 10.185.6.0/30 | 10.185.6.3 |
| SWL1 - Router 1 | 10.185.7.0/30 | 10.185.7.3 |
| SWL1 - SWL2 | 10.185.8.0/30 | 10.185.8.3 |
| SWL2 - Router 1 | 10.185.9.0/30 | 10.185.9.3 |

Tabela 5: IPv6

| | IP/Mask |
|------------------------|-----------------|
| SWL2 - Router A | 2001:82:6::/126 |
| SWL1 - Router 1 | 2001:82:7::/126 |
| SWL1 - SWL2 | 2001:82:8::/126 |
| SWL2 - Router 1 | 2001:82:9::/126 |

**Tabela 6:** Default Gateway

| | | SWL3C1 | SWL3C2 |
|------------------------|----------------|-----------------|-----------------|
| DMZ VLAN | IPv4 - Público | 200.158.105.62 | - |
| | IPv4 - Privado | 10.185.0.254 | - |
| | IPv6 | 2001:82::1 | - |
| DataCenter VLAN | IPv4 - Público | 200.158.105.126 | - |
| | IPv4 - Privado | 10.185.1.254 | - |
| | IPv6 | 2001:82:1::1 | - |
| Marketing VLAN | IPv4 - Público | 200.158.105.190 | 200.158.105.189 |
| | IPv4 - Privado | 10.185.2.254 | 10.185.2.253 |
| | IPv6 | 2001:82:2::1 | 2001:82:2::2 |
| Admin VLAN | IPv4 - Público | 200.158.105.206 | 200.158.105.205 |
| | IPv4 - Privado | 10.185.3.254 | 10.185.3.253 |
| | IPv6 | 2001:82:3::1 | 2001:82:3::2 |
| Design VLAN | IPv4 - Público | 200.158.105.238 | 200.158.105.237 |
| | IPv4 - Privado | 10.185.4.254 | 10.185.4.253 |
| | IPv6 | 2001:82:4::1 | 2001:82:4::2 |
| Research VLAN | IPv4 - Público | - | - |
| | IPv4 - Privado | 10.185.5.254 | 10.185.5.253 |
| | IPv6 | 2001:82:5::1 | 2001:82:5::2 |