**Projeto de RC – Endereçamento simplificado**

**🡪 NEWNET:**

* **NewNetCenter**

- IPv4 Publico => Rede: 201.139.6.0/26 (201.139.6.1 até 201.139.6.61) ;

Gateway: 201.139.6.62 255.255.255.192;

- IPv6 => 2001:8885:1034:1001::/64

Gateway: 2001:8885:1034:1001::1/64

* **NewNetIT**

- IPv4 Publico => Rede: 201.139.6.64/27 (201.139.6.65 até 201.139.6.93);

Gateway: 201.139.6.94 255.255.255.224;

- IPv6 => 2001:8885:1034:1002::/64

Gateway: 2001:8885:1034:1002::1/64

**🡪 GR8 Inc:**

* **GR8 Office**

- IPv4 Publico => Rede: 201.139.6.96/27 (201.139.6.97 até 201.139.6.125) ;

Gateway: 201.139.6.126 255.255.255.224;

- IPv4 Privado => Rede: 10.104.6.0/24 (10.104.6.1 até 10.104.6.253)

Gateway: 10.104.6.254 255.255.255.0;

- IPv6 => 2001:8885:1034:1011::/64;

Gateway: 2001:8885:1034:1011::1/64

* **GR8 WiFi**

- IPv4 Privado => Rede: 10.104.7.0/24 (10.104.1.1 até 10.104.253)

Gateway: 10.104.7.254 255.255.255.0;

- IPv6 => 2001:8885:1034:1012::/64;

Gateway: 2001:8885:1034:1012::1/64

* **NAT/PAT**

- 9 endereços;

- Rede: 201.139.6.128/28 (201.139.6.129 até 201.139.6.142);

- Usados: 201.139.6.129 até 201.139.6.138

**🡪 AMAZING Inc:**

* **AMAZING Offices (vlan 1)**

- IPv4 Publico => Rede: 201.139.6.192/26 (201.139.6.193 até 201.139.6.252) ;

Gateway1 (AmazL3SW1): 201.139.6.254 255.255.255.192;

Gateway2 (AmazL3SW2): 201.139.6.253 255.255.255.192;

- IPv4 Privado => Rede: 10.69.64.0/23 (10.69.64.1 até 10.69.65.252)

Gateway1 (AmazL3SW1): 10.69.65.254 255.255.254.0;

Gateway2 (AmazL3SW2): 10.69.65.253 255.255.254.0;

- IPv6 => 2001:8885:1034:1021::/64;

Gateway1 (AmazL3SW1): 2001:8885:1034:1021::1/64;

Gateway2 (AmazL3SW2): 2001:8885:1034:1021::2/64;

* **AMAZING WiFi (vlan 3)**

- IPv4 Privado => Rede: 10.69.68.0/22 (10.69.68.1 até 10.69.71.252)

Gateway1 (AmazL3SW1): 10.69.71.254 255.255.252.0;

Gateway2 (AmazL3SW2): 10.69.71.253 255.255.252.0;

- IPv6 => 2001:8885:1034:1022::/64;

Gateway1 (AmazL3SW1): 2001:8885:1034:1022::1/64;

Gateway2 (AmazL3SW2): 2001:8885:1034:1022::2/64;

* **AMAZING Factory (vlan 2)**

- IPv4 Privado => Rede: 10.69.72.0/21 (10.69.72.1 até 10.69.79.252)

Gateway1 (AmazL3SW1): 10.69.79.254 255.255.248.0;

Gateway2 (AmazL3SW2): 10.69.79.253 255.255.248.0;

* **NAT/PAT**

- 20 endereços;

- Rede: 201.139.6.160/27 (201.139.6.161 até 201.139.6.190);

* **AMAZING router <-> AmazL3SW1 && AMAZING router <-> AmazL3SW2**

- Ligação IPv6 Link-Local (FE80::/10) EUI-64;

- Ligação IPv4 privada:

🡪 AmazL3SW1 => 10.69.66.2 255.255.255.252;

🡪 Router f0/0 => 10.69.66.1 255.255.255.252;

🡪 AmazL3SW2 => 10.69.66.6 255.255.255.252;

🡪 Router f1/0 => 10.69.66.5 255.255.255.252;

**🡪 Interconexões:**

* **NewNet router <-> GR8 Inc router**

-IPv4 Publico => Rede: 201.139.6.144/30;

NewNet router: 201.139.6.145 255.255.255.252;

GR8 Inc router: 201.139.6.146 255.255.255.252;

-IPv6 Global => Rede: 2001:8885:1034:1013::/126

NewNet router: 2001:8885:1034:1013::1/126;

GR8 Inc router: 2001:8885:1034:1013::2/126;

* **NewNet router <-> AMAZING Inc router**

-IPv4 Publico => Rede: 201.139.6.148/30;

NewNet router: 201.139.6.149 255.255.255.252;

Amazin Inc router: 201.139.6.150 255.255.255.252;

-IPv6 Global => Rede: 2001:8885:1034:1025::/126

NewNet router: 2001:8885:1034:1025::1/126;

Amazing Inc router: 2001:8885:1034:1025::2/126;

**Routing:**

* **ipv4 route 🡪 GR8: all done**

**NEWNET - done**

ip route 201.139.6.0 255.255.255.192 201.139.6.145

ip route 201.139.6.64 255.255.255.224 201.139.6.145

ip route 201.139.6.148 255.255.255.252 201.139.6.145 🡨

**AMAZING**

ip route 10.69.66.0 255.255.255.252 201.139.6.150 🡨

ip route 10.69.66.4 255.255.255.252 201.139.6.150 🡨

ip route 201.139.6.160 255.255.255.224 201.139.6.145

ip route 201.139.6.192 255.255.255.192 201.139.6.145

**AmazL3SW1**

ip route 201.139.6.192 255.255.255.192 10.69.66.2 🡨

ip route 10.69.64.0 255.255.254.0 10.69.66.2 🡨

ip route 10.69.68.0 255.255.252.0 10.69.66.2 🡨

**AmazL3SW2**

ip route 201.139.6.192 255.255.255.192 10.69.66.6 🡨

ip route 10.69.64.0 255.255.254.0 10.69.66.6 🡨

ip route 10.69.68.0 255.255.252.0 10.69.66.6 🡨

* **ipv4 route 🡪 NEWNET:**

**Router**

ip route 0.0.0.0 0.0.0.0 192.168.101.10

**GR8 - done**

ip route 201.139.6.96 255.255.255.224 201.139.6.146

ip route 201.139.6.128 255.255.255.240 201.139.6.146

ip route 10.104.7.0 255.255.255.0 201.139.6.146 🡨

ip route 10.104.6.0 255.255.255.0 201.139.6.146 🡨

**AMAZING - done**

ip route 10.69.66.0 255.255.255.252 201.139.6.150 🡨

ip route 10.69.66.4 255.255.255.252 201.139.6.150 🡨

ip route 201.139.6.160 255.255.255.224 201.139.6.150

ip route 201.139.6.192 255.255.255.192 201.139.6.150

**AmazL3SW1**

ip route 201.139.6.192 255.255.255.192 10.69.66.2 🡨

ip route 10.69.64.0 255.255.254.0 10.69.66.2 🡨

ip route 10.69.68.0 255.255.252.0 10.69.66.2 🡨

**AmazL3SW2**

ip route 201.139.6.192 255.255.255.192 10.69.66.6 🡨

ip route 10.69.64.0 255.255.254.0 10.69.66.6 🡨

ip route 10.69.68.0 255.255.252.0 10.69.66.6 🡨

* **ipv4 route 🡪 AMAZING: all done**

**AmazL3SW1 - done**

ip route 201.139.6.192 255.255.255.192 10.69.66.2

ip route 10.69.64.0 255.255.254.0 10.69.66.2

ip route 10.69.72.0 255.255.248.0 10.69.66.2 🡨

ip route 10.69.68.0 255.255.252.0 10.69.66.2

**AmazL3SW2 - done**

ip route 201.139.6.192 255.255.255.192 10.69.66.6

ip route 10.69.64.0 255.255.254.0 10.69.66.6

ip route 10.69.72.0 255.255.248.0 10.69.66.6 🡨

ip route 10.69.68.0 255.255.252.0 10.69.66.6

**NEWNET - done**

ip route 201.139.6.0 255.255.255.192 201.139.6.149

ip route 201.139.6.64 255.255.255.224 201.139.6.149

**GR8**

ip route 201.139.6.144 255.255.255.252 201.139.6.149 🡨

ip route 201.139.6.96 255.255.255.224 201.139.6.149

ip route 201.139.6.128 255.255.255.240 201.139.6.149

* **ipv4 route 🡪 AmazL3SW1: all done**

**AMAZING - done**

ip route 201.139.6.148 255.255.255.252 10.69.66.1

**AmazL3SW2 - done**

ip route 10.69.66.4 255.255.255.252 10.69.66.1 🡨

**NEWNET**

ip route 201.139.6.0 255.255.255.192 201.139.6.149

ip route 201.139.6.64 255.255.255.224 201.139.6.149

**GR8**

ip route 201.139.6.144 255.255.255.252 201.139.6.149 🡨

ip route 201.139.6.96 255.255.255.224 201.139.6.149

ip route 201.139.6.128 255.255.255.240 201.139.6.149

* **ipv4 route 🡪 AmazL3SW2: all done**

**AMAZING - done**

ip route 201.139.6.148 255.255.255.252 10.69.66.5

**AmazL3SW1 – done**

ip route 10.69.66.0 255.255.255.252 10.69.66.5 🡨

**NEWNET**

ip route 201.139.6.0 255.255.255.192 201.139.6.149

ip route 201.139.6.64 255.255.255.224 201.139.6.149

**GR8**

ip route 201.139.6.144 255.255.255.252 201.139.6.149 🡨

ip route 201.139.6.96 255.255.255.224 201.139.6.149

ip route 201.139.6.128 255.255.255.240 201.139.6.149

* **IPv6 route 🡪 GR8**

**NEWNET**

Ipv6 route 2001:8885:1034:1001::/64 2001:8885:1034:1013::1

Ipv6 route 2001:8885:1034:1002::/64 2001:8885:1034:1013::1

Ipv6 route 2001:8885:1034:1025::/126 2001:8885:1034:1013::1

**AMAZING**

Ipv6 route 2001:8885:1034:1023::/126 2001:8885:1034:1025::2

Ipv6 route 2001:8885:1034:1024::/126 2001:8885:1034:1025::2

**AmazL3SW1**

Ipv6 route 2001:8885:1034:1021::1/64 2001:8885:1034:1023::2

Ipv6 route 2001:8885:1034:1022::1/64 2001:8885:1034:1023::2

**AmazL3SW2**

Ipv6 route2001:8885:1034:1021::2/64 2001:8885:1034:1024::2

Ipv6 route2001:8885:1034:1022::2/64 2001:8885:1034:1024::2

* **IPv6 route 🡪 NEWNET**

**GR8**

Ipv6 route 2001:8885:1034:1011::/64 2001:8885:1034:1013::2

Ipv6 route 2001:8885:1034:1012::/64 2001:8885:1034:1013::2

**AMAZING**

Ipv6 route 2001:8885:1034:1023::/126 2001:8885:1034:1025::2

Ipv6 route 2001:8885:1034:1024::/126 2001:8885:1034:1025::2

**AmazL3SW1**

Ipv6 route 2001:8885:1034:1021::1/64 2001:8885:1034:1023::2

Ipv6 route 2001:8885:1034:1022::1/64 2001:8885:1034:1023::2

**AmazL3SW2**

Ipv6 route2001:8885:1034:1021::2/64 2001:8885:1034:1024::2

Ipv6 route2001:8885:1034:1022::2/64 2001:8885:1034:1024::2

* **IPv6 route 🡪 AMAZING – all done**

**NEWNET**

Ipv6 route 2001:8885:1034:1001::/64 2001:8885:1034:1013::1

Ipv6 route 2001:8885:1034:1002::/64 2001:8885:1034:1013::1

Ipv6 route 2001:8885:1034:1013::/126 2001:8885:1034:1025::1

**GR8**

Ipv6 route 2001:8885:1034:1011::/64 2001:8885:1034:1013::2

Ipv6 route 2001:8885:1034:1012::/64 2001:8885:1034:1013::2

**AmazL3SW1**

Ipv6 route 2001:8885:1034:1021::/64 2001:8885:1034:1023::2

Ipv6 route 2001:8885:1034:1022::1/64 2001:8885:1034:1023::2

**AmazL3SW2**

Ipv6 route2001:8885:1034:1021::2/64 2001:8885:1034:1024::2

Ipv6 route2001:8885:1034:1022::2/64 2001:8885:1034:1024::2

* **IPv6 route 🡪 AmazL3SW1 – all done**

**NEWNET**

Ipv6 route 2001:8885:1034:1001::/64 2001:8885:1034:1013::1

Ipv6 route 2001:8885:1034:1002::/64 2001:8885:1034:1013::1

Ipv6 route 2001:8885:1034:1013::/126 2001:8885:1034:1025::1

**AMAZING**

Ipv6 route 2001:8885:1034:1025::/64 2001:8885:1034:1023::1

**GR8**

Ipv6 route 2001:8885:1034:1011::/64 2001:8885:1034:1013::2

Ipv6 route 2001:8885:1034:1012::/64 2001:8885:1034:1013::2

**AmazL3SW2**

Ipv6 route2001:8885:1034:1021::2/64 2001:8885:1034:1024::2

Ipv6 route2001:8885:1034:1022::2/64 2001:8885:1034:1024::2

* **IPv6 route 🡪 AmazL3SW2 – all done**

**NEWNET**

Ipv6 route 2001:8885:1034:1001::/64 2001:8885:1034:1013::1

Ipv6 route 2001:8885:1034:1002::/64 2001:8885:1034:1013::1

Ipv6 route 2001:8885:1034:1013::/126 2001:8885:1034:1025::1

**GR8**

Ipv6 route 2001:8885:1034:1011::/64 2001:8885:1034:1013::2

Ipv6 route 2001:8885:1034:1012::/64 2001:8885:1034:1013::2

**AMAZING**

Ipv6 route 2001:8885:1034:1025::/64 2001:8885:1034:1023::1

**AmazL3SW1**

Ipv6 route 2001:8885:1034:1021::/64 2001:8885:1034:1023::2

Ipv6 route 2001:8885:1034:1022::/64 2001:8885:1034:1023::2