## 6/059 IPV6

Global IPv6: 2002:8888:4314:1100::156 2002:8888:4314:1100::/56 1111 1111/64 ...1180::157 ... 1100::157 ..1100:: 158 ..1180::158 ... 1100::0004/126 ...1100::0000/126 (Icon. New Net-Amez.) (Icon. New Net - GRB) ... 11 (0::/64 (New Net Center) 11 C 1:: 164 ... 1190::/60 .. 1180::/60 (addr.for 6R8) (addr. for Amaz.)  $\oplus$ 

... 1180 ::164

(Amaz. Offices)

X3=4 x1=1x 2=3 ×6=1 ×4=3 ×5=5 ×9=8 ×7=4 x0=4

## Requireme

- · A 164 network for New Net Conter
- · Another 164 for New Net IT
- 160 address space for customers
- · Global addresses in GR8 Office
- · Global addresses in GRB WiFi
- · Global addresses in Amazing Offices
- · Global addresses in Amazing WiFi
- 1/126 with link-local-05w1
   1/126 with link-local -05w2

- /126 with same global address (Gra)
   /126 with same global address (Amaz.)
- Son extra subdivision to reach 159, which results in 190::159 and 11 A0::159

  gracup of subdivisions to reach 164
- another group of subdivisions to reach 1126

We still need to obtain the link-local for the switches on the Amazing network. These can be obtained by grabbing the Amazing network's global IPv6, and creating subnetworks for each switch.

... 1190::/64

... 1181::/64 (GR8 Office)

(Amaz. WiFi)

...1191::/64

2007:8888:4314:1182::160

... 1182::0004/126 ..1182::0000/126 (Amaz L35WZ) (Amaz L35W1)

After this, each switch will generate a link-local (fe 80:110), with a size of 64 bits. The last 48 bits will be filled via the EUI-64 method.