

IPv4 Private

GRB Inc.

Will use 10.114.36.0/23 as base (mask = 255.255.11111110.0)

$$256/2^2 = 256/128 = 2 \rightarrow \text{step 2 in 2}$$

$$/24 = 255.255.255.0$$

10.114.36.0/24
(GRB Office)

10.114.37.0/24
(GRB Wifi)

Will NOT have gateways

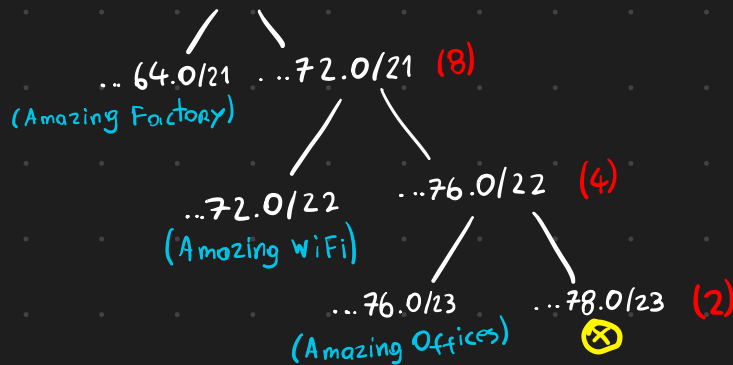
x1=4	x2=1	x3=3
x4=4	x5=3	x6=5
x7=1	x8=4	x9=1
	x0=8	

AMAZING Inc.

this won't change!

Will use 10.54.64.0/20 as base (mask = 255.255.11110000.0)

$$256/2^4 = 256/16 = 16 \rightarrow \text{step 16 in 16}$$



1100 < Factory < 2000
600 < WiFi < 1000
Offices < 500

LAT = Last Available Terminal

For each sub network, we have:

Factory

Network = 10.54.64.0/21
LAT = 10.54.71.254

WiFi

Network = 10.54.72.0/22
LAT = 10.54.75.254

Offices

Network = 10.54.76.0/23
LAT = 10.54.77.254

For the switches, we have:

Amaz L3 SW 1 → 10.54.78.0/30
Amaz L3 SW 2 → 10.54.78.4/30
we can populate from (X) to 10.54.79.0
↳ results in 2 gateways for the Amazing network