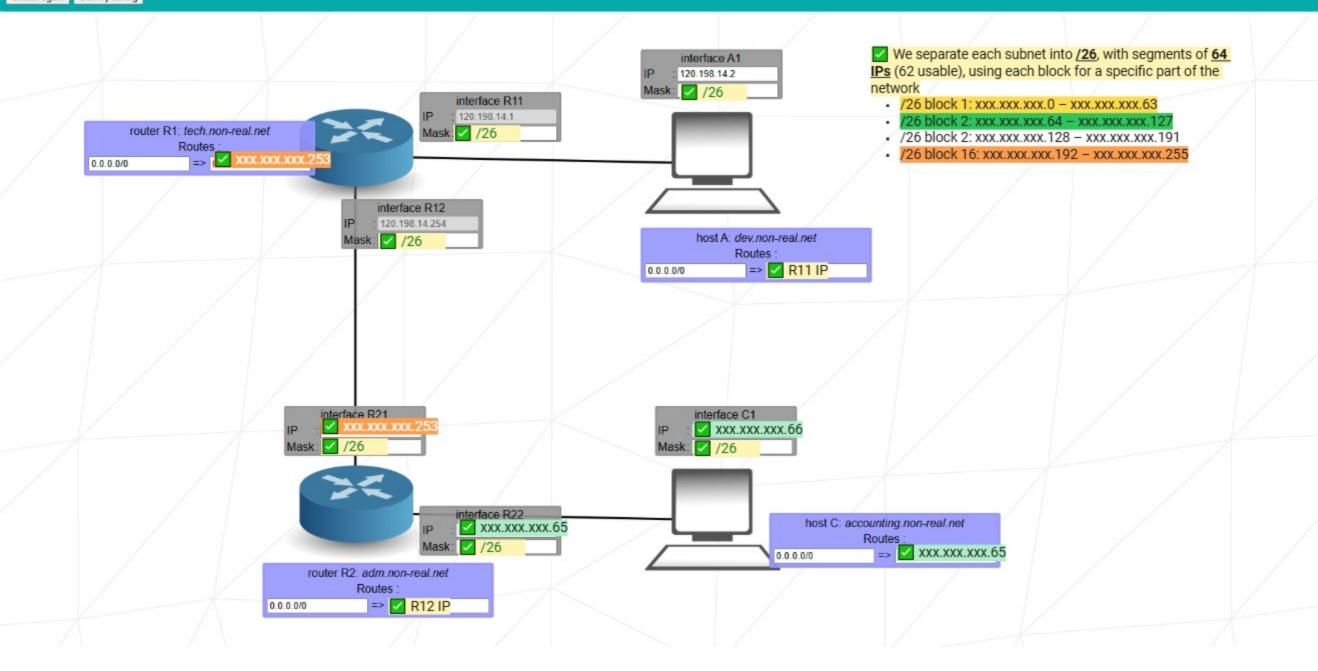
## Level 6: Goal 1: host webserv.non-real.com needs to communicate with interface Somewhere on the Net - Status: KO - No forward way, try again . Check again Get my config internet I: Internet Routes: => 163.172.250.12 56.207.174.0/31 xxx.xxx.xxx.0/0 - 24 on this case, we need to interface R2 change the CIDR to anything interface R1 between 0 and 24 163.172.250.12 56.207.174.254 Mask: 255.255.255.240 Mask: 255.255.255.128 switch S: sw-1.non-real.com router R: gate.non-real.com Routes: 10.0.0.0/8 => 163.172.250.1 default the original 10.0.0.0/8 is a private IP, so to connect A interface A1 to the internet, we need a public IP. 56.207.174.227 Mask: 255.255.255.0 host A: webserv.non-real.com Routes: ✓ Interface R1 IP => 56.207.174.1 0.0.0.0/0 Vist need to change the host part of the IP to .254 to match R1

## Level 7:

Goal 1: host dev.non-real.net needs to communicate with host accounting.non-real.net - Status: KO - Correct IP reached but wrong host, try again.

Check again Get my config



## Level 8: Goal 1: host office.non-real.com needs to communicate with host home.non-real.com - Status: KO - No forward way, try again Goal 2: host office.non-real.com needs to communicate with interface Somewhere on the Net - Status : KO - No forward way, try again Goal 3: host home.non-real.com needs to communicate with interface Somewhere on the Net - Status: KO - No forward way, try again. Check again Get my config router R1: gate.non-real.com interface R12 Routes 163.91.250.12 XXX.XXX.XXX.0/26 => 1 XXX.XXX.XXX.61 Mask: 255.255.265.240 => 163.91.250.1 0.0.0.0/0

interface R23

XXX.XXX.XXX.2

interface D1

Mask: 255.255.265.240

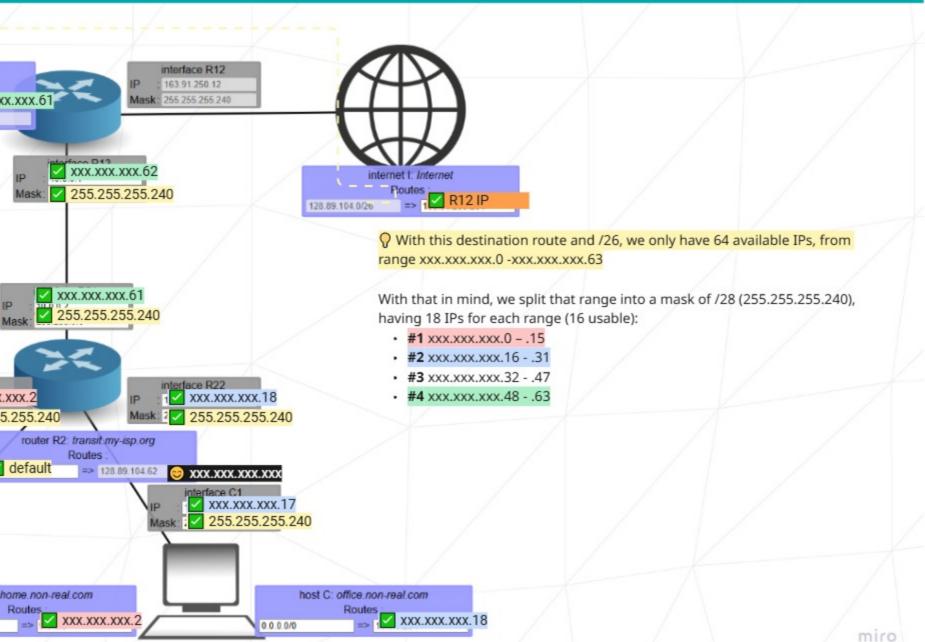
XXX.XXX.XXX

255.255.255.240

default

host D: home.non-real.com

Routes



Level 9: Goal 1: host meson needs to communicate with host fon - Status - KO - No forward way, try again ...
Goal 2: host cation needs to communicate with host gluon - Status - KO - No forward way, try again ...
Goal 3: host meson needs to communicate with host Internet - Status - KO - No forward way, try again Goal 4: host meson needs to communicate with host gluon - Status: KO - No forward way, try again ... Goal 5: host ion needs to communicate with host cation - Status: KO - No forward way, try again ... Goal 6: host cation needs to communicate with host Internet - Status : KO - No forward way, try again default 191.168.xxx.1 191.168.xxx.2 internet I: Internet Mask: 255,255.0.0 198.112.0/22 => 163.172.250.12 0.0.0/27 => 163.172.250.12 ✓ 191.168.xxx.1 => 163.172.250.12 \*\* after 192.168.0.0 = private 172.250.12

Mask: 256 256 256 240 191.168.xxx.0/0 switch S: neutron interface R13 XXX.XXX.18.254 router R1: proton Mask 256 256 256 0 191.168.xxx.3<sup>2,0,0,0</sup> => 163.172.250.1 1.2.3.1 Mask: 255.255.255.0 Mask: 256,256,256,252 1.2.3.2 host C: cation host A: meson router R2: boson Routes XXX.XXX.18.254ask: 256.256.256.0 191.168.XXX.1 0.0.0.0/0 0.0.0.0/0 XXX.XXX.XXX.XXX XXX.XXX.XXX.XXX-1 Mask: 255.255.255.192 host D: gluon xxx.xxx.xxx.xxx default => 13.101.254.153

## Level 10: Goal 1: host Host one needs to communicate with host Host two. Status: KO. No forward way, try again. Goal 2 . host Host three needs to communicate with host Host four - Status . KO - No forward way, try again. Goal 3: host Host one needs to communicate with host Internet - Status : KO - No reverse way, try again ... Goal 4: host Host one needs to communicate with host Host four - Status: KO - No forward way, try again Goal 5: host Host two needs to communicate with host Host three - Status: KO - No forward way, try again Goal 6: host Host three needs to communicate with host Internet - Status : KO - No forward way, try again Goal 7: host Host four needs to communicate with host Internet - Status: KO - No forward way, try again Check again Get my config host H2: Host two Routes: default **141.53.105.1** interface H2 141.53.105.3 internet I: Internet 192.168.42.42 Routes: Mask 255 255 0 0 255.255.255.128 163.172.260.12 141.53.105.0/31 **/**0 Any CIDR on the interface R12 interface R11 163.172.250.12 range /0 to /24 will work 141.53.105.1 Mask, 255.255.255.240 Mask: 255 255 255 128 switch S1: Switch one interface R13 router R1: Router one 141.53.105.254 default default > 141.53.105.253 Mask, 255.255.256.0 255.255.255.252 141.53.105.128/26 - 141.53.105.253 0.0.0.0/0: => 163.172.250.1 interface H11 141.53.105.2 255.255.255.128 255.255.255.0 interface R21 141.53.105.253 Mask 255.265.255.252 141.53.105.129 ✓ 141.53.105.193 host H1: Host one 10.0.0.254 Routes . Mask 255.255.265.0 255.255.255.192 0.0.0.0/0 => 141.53.105.1 router R2: Router two Routes: => 141.63.106.254 0.0.0.0/0 interface H41 141.53.105.194 141.53.105.131 192.168.0.1 Mask: 255 255 255 192 lask: 255 255 255 0 /27 host H4: Host four host H3: Host three Routes: 141.53.105.193 => 141.53.105.129 0.0 0.0/0 => 10.0.0.254