



IPv7

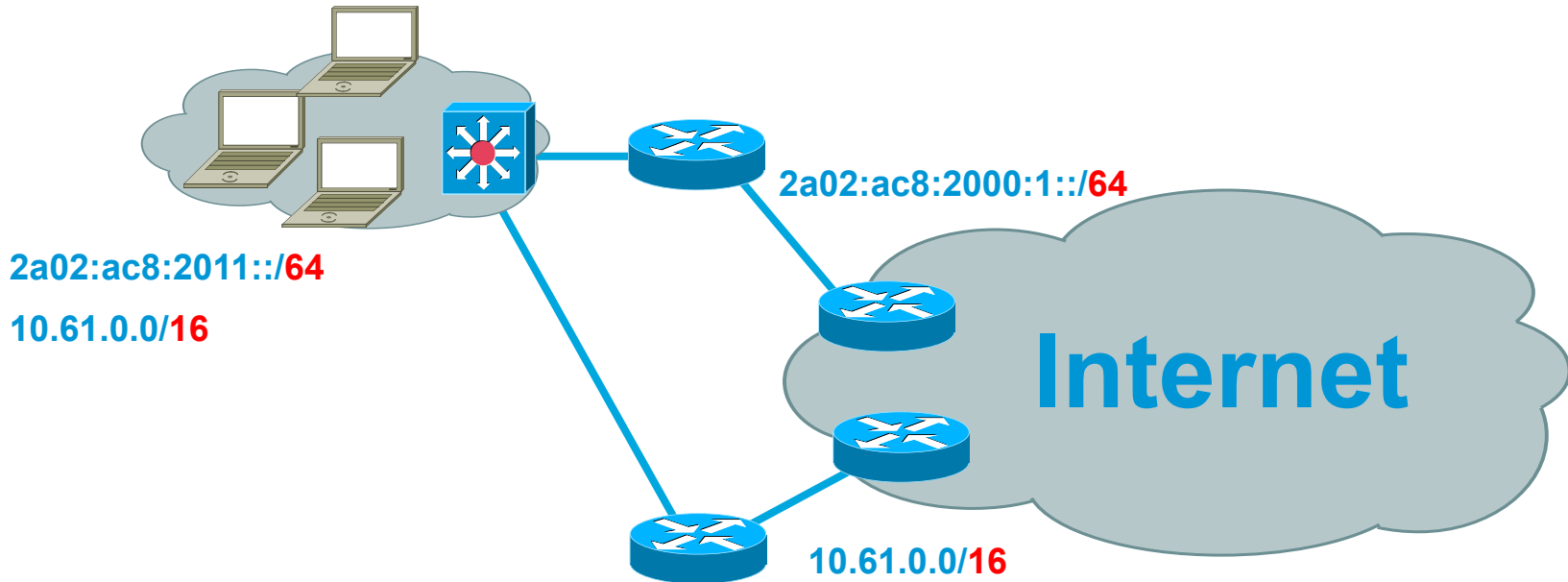
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“An IPv4 packet walks into a bar and says “Give me a CIDR, I’m exhausted”

Our IPv6/IPv4 dual stack demo today



- Global is used everywhere
- We have received `2a02:ac8:2011::/48` but we are using `/64`
- DNS are 85.114.32.7 and 85.114.32.8 – we are real dual stack proof point because IPv6 is an EVOLUTION, not a REVOLUTION

CLI

```
ipv6 unicast-routing
ipv6 cef
!
interface GigabitEthernet0/0
description int gi0/0 external p2p
no ip address
duplex auto
speed auto
ipv6 address 2A02:AC8:2000:1::2/64
ipv6 enable
!
ipv6 route ::/0 2A02:AC8:2000:1::1
```

```
interface GigabitEthernet0/1
description int gi0/1 internal lan
no ip address
speed auto
full-duplex
ipv6 address 2A02:AC8:2011::1/64
ipv6 mtu 1480
ipv6 nd prefix 2A02:AC8:2011::/64 300 300
ipv6 nd router-preference high
ipv6 nd ra lifetime 30
ipv6 nd ra interval 10
ipv6 verify unicast reverse-path
!
```