NAT

CyberQuince

NAT

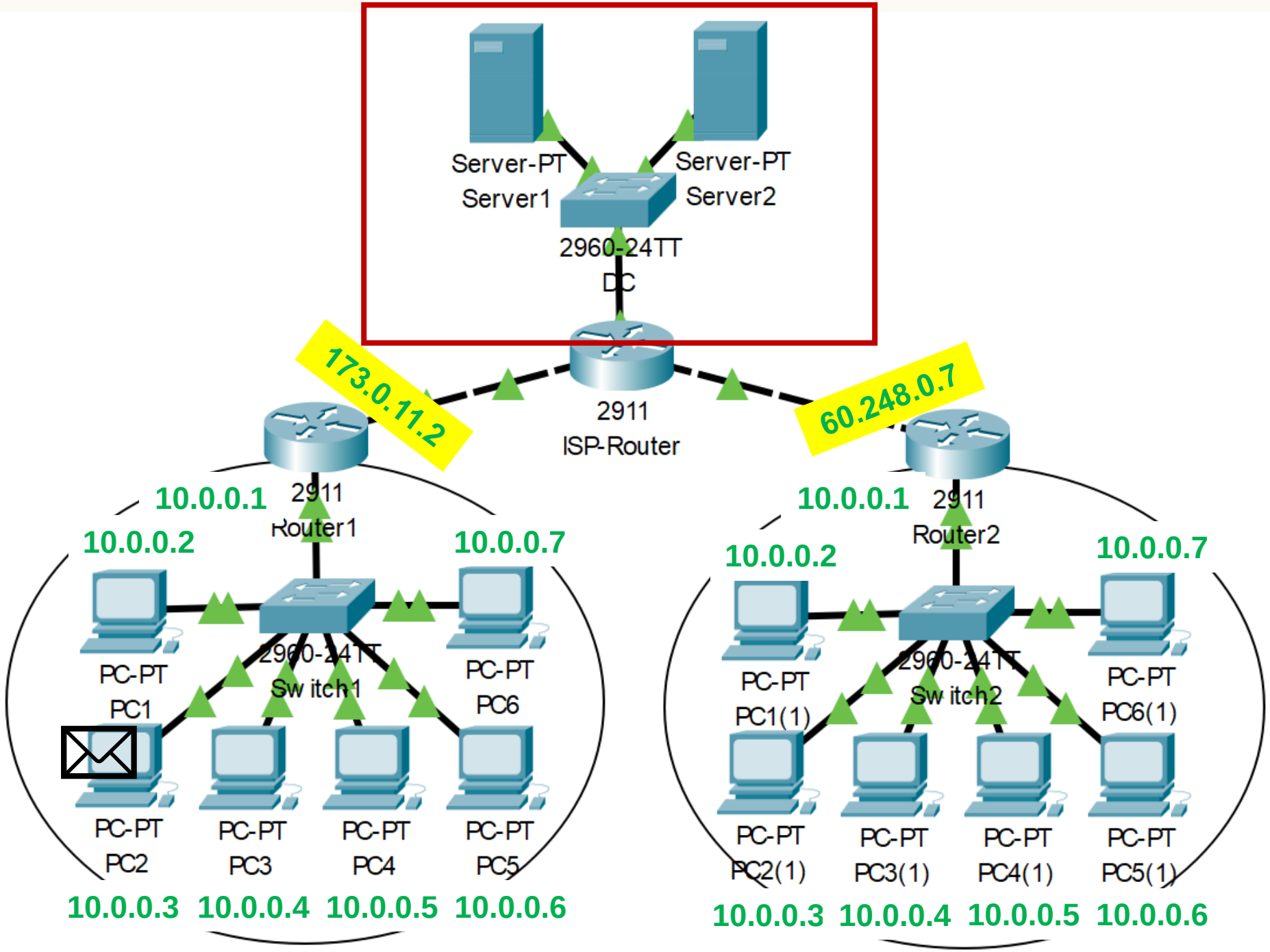
Network address translation (NAT) is a method of mapping one or multiple private IP addresses to one public IP address.

LACK OF ADDRESSES

$$0.0.0.0 - 255.255.255.255 = 2^{32} = 4{,}294{,}967{,}296$$

PRIVATE VS. PUBLIC

- 10.0. 0.0 - 10.255. 255.255
- 172.16. 0.0 - 172.31. 255.255
- 192.168. 0.0 - 192.168. 255.255


Server-PT
Server1
Server-PT
Server2
2960-24TT
DC
173.0.11.2
2911
ISP-Router
60.248.0.7
10.0.0.1
2911
Router1
10.0.0.2
10.0.0.7
2960-24TT
Sw itch1
PC-PT
PC1
PC-PT
PC6
PC-PT
PC2
PC-PT
PC3
PC-PT
PC4
PC-PT
PC5
10.0.0.3
10.0.0.4
10.0.0.5
10.0.0.6
10.0.0.1
2911
Router2
10.0.0.2
10.0.0.7
2960-24TT
Sw itch2
PC-PT
PC1(1)
PC-PT
PC6(1)
PC-PT
PC2(1)
PC-PT
PC3(1)
PC-PT
PC4(1)
PC-PT
PC5(1)
10.0.0.3
10.0.0.4
10.0.0.5
10.0.0.6

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