Name : Moeurn Puthsitha

Room : E6

Answer
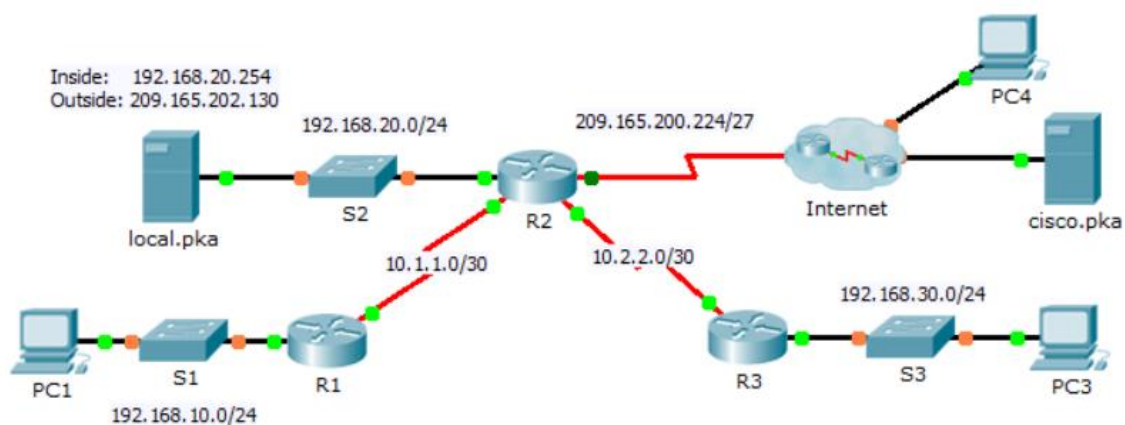
1. What is NAT ? Why we need it ?

    ==> NAT ជា Network Address Translate ជាការធ្វើឱ្យឧបករណ៍អាចភ្ជាប់ទៅកាន់ internet

    បាន។ គេប្រើដើម្បីភ្ជាប់ Ip របស់ឧបករណ៍ network ទៅ internet

2. What are the difference between Static and Dynamic NAT ?

    ==> Static Nat គឺ map one-to-one ip ទៅ internet (ip មួយ)

    ==> Dynamic Nat គឺ map ជា list ទៅ internet (ip ច្រើន)

9.2.3.6 Packet Tracer – Implementing Static and Dynamic NAT

Step 1

```
R2(config)# ip access-list standard R2NAT
R2(config-std-nacl)# permit 192.168.10.0 0.0.0.255
R2(config-std-nacl)# permit 192.168.20.0 0.0.0.255
R2(config-std-nacl)# permit 192.168.30.0 0.0.0.255
```

Step 2

R2(config)# **ip nat pool R2POOL 209.165.202.129 209.165.202.129 netmask 255.255.255.252**

Step 3

R2(config)# **ip nat inside source list R2NAT pool R2POOL overload**

Step 4

```
R2(config)# inte fa0/0
R2(config-if)# ip nat inside
```

```
R2(config-if)# inte s0/0/0
R2(config-if)# ip nat inside
R2(config-if)# inte s0/0/1
R2(config-if)# ip nat inside
R2(config-if)# inte s0/1/0
R2(config-if)# ip nat outside
```

Step 5

R2(config)# **ip nat inside source static 192.168.20.254 209.165.202.130**