

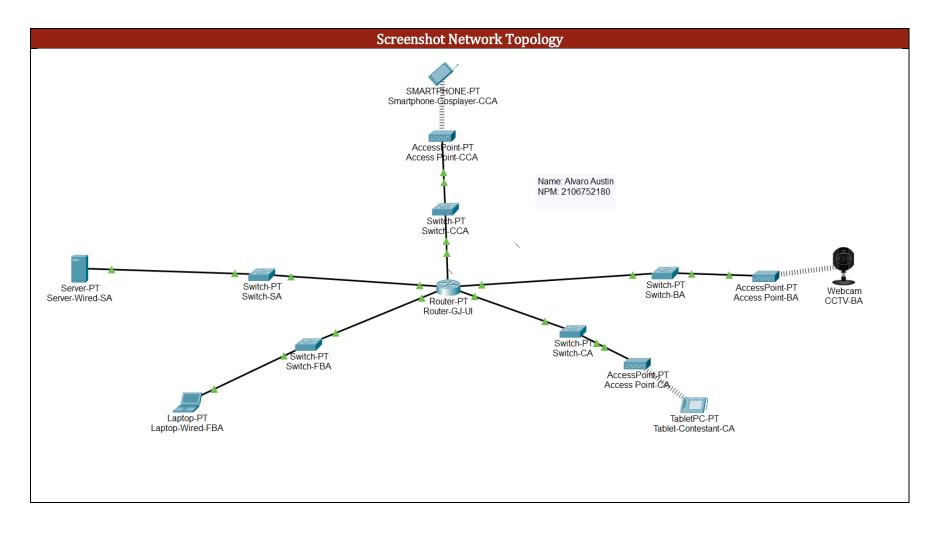
Answer Sheet Hands On - H02 IP Addressing Methods

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[50 Point] Allocation IP Address

Subnet	Network Address	Broadcast Address	Subnet Mask	Maximum Number of Device	First Available IP Address	Last Available IP Address	Default Gateway
BA	10.180.12.0	10.180.12.255	255.255.255.0 (/24)	253	10.180.12.2	10.180.12.254	10.180.12.1
CCA	10.180.13.0	10.180.13.127	255.255.255.128 (/25)	125	10.180.13.2	10.180.13.126	10.180.13.1
FBA	10.180.13.128	10.180.13.191	255.255.255.192 (/26)	61	10.180.13.130	10.180.13.190	10.180.13.129
CA	10.180.13.192	10.180.13.255	255.255.255.192 (/26)	61	10.181.13.194	10.180.13.254	10.181.13.193
SA	10.180.14.0	10.180.14.15	255.255.255.240 (/28)	13	10.180.14.2	10.180.14.14	10.180.14.1

[50 Point] Implementation IP Addressing Methods and DHCP on Packet Tracer



Screenshot CLI Router Configuration

BA

```
Router(config) #interface GigabitEthernet 5/0
Router(config-if) #ip address 10.180.12.1 255.255.255.0
Router(config-if) #no shut

Router(config-if) #exit
Router(config) #ip dhcp pool BA
Router(dhcp-config) #network 10.180.12.0 255.255.255.0
Router(dhcp-config) #default-router 10.180.12.1
Router(dhcp-config) #exit
Router(config) #interface GigabitEthernet5/0
Router(config-if) #ip dhcp excluded-address 10.180.12.1
%LINK-5-CHANGED: Interface GigabitEthernet5/0, changed state to up
```

CCA

```
Router(config) #interface GigabitEthernet 6/0
Router(config-if) #ip address 10.180.13.1 255.255.255.128
Router(config-if) #no shut

Router(config-if) #exit
Router(config) #ip dhcp pool CCA
Router(dhcp-config) #network 10.180.13.0 255.255.255.128
Router(dhcp-config) #default-router 10.180.13.1
Router(dhcp-config) #exit
Router(config) #interface GigabitEthernet6/0
Router(config-if) #ip dhcp excluded-address 10.180.13.1
%LINK-5-CHANGED: Interface GigabitEthernet6/0, changed state to up
```

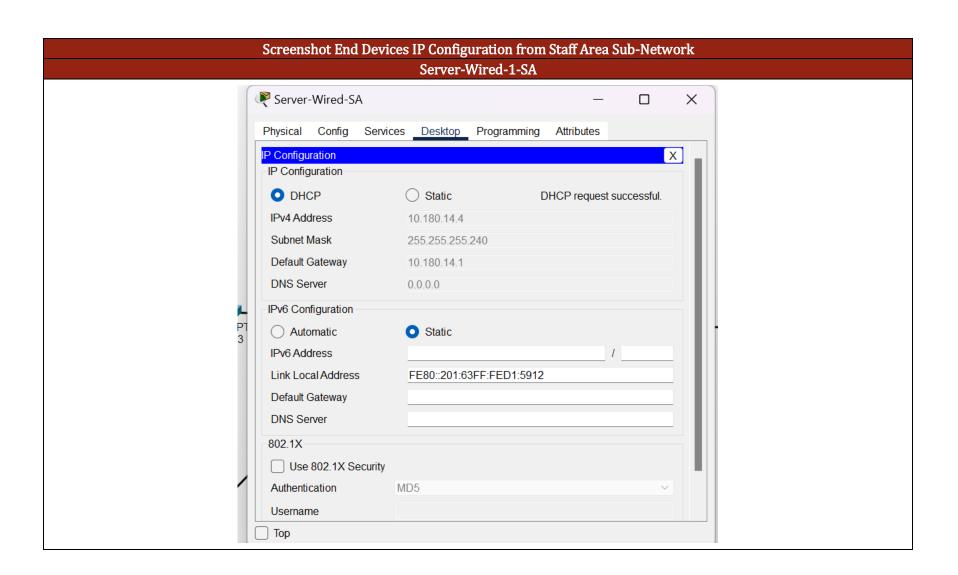
FBA

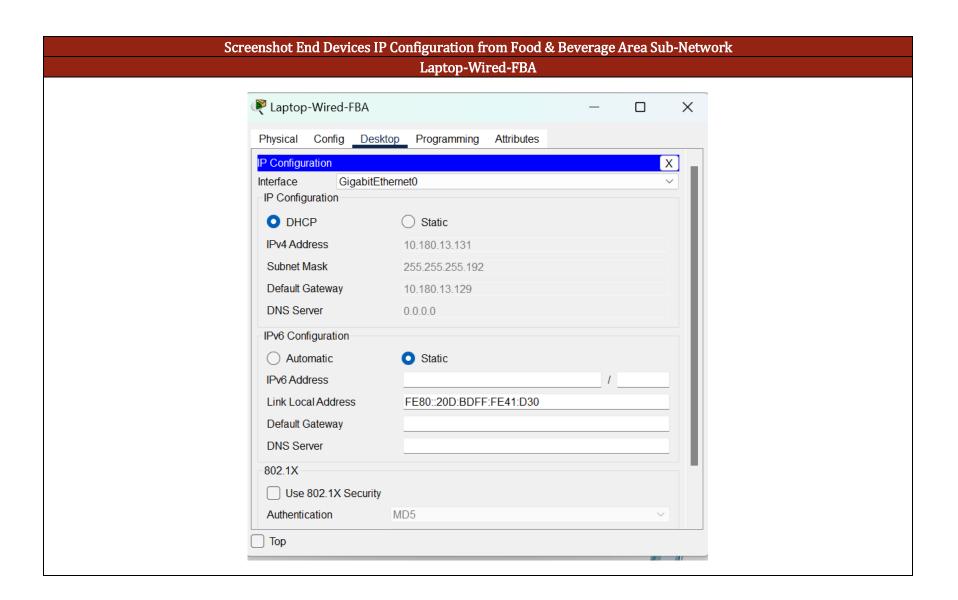
```
Router(config) #interface GigabitEthernet 7/0
Router(config-if) #ip address 10.180.13.129 255.255.255.192
Router(config-if) #no shut
Router(config-if)#exit
Router(config) #ip dhcp pool FBA
Router (dhcp-config) #network 10.180.13.128 255.255.255.192
Router (dhcp-config) #default-router 10.180.13.129
Router (dhcp-config) #exit
Router(config) #interface GigabitEthernet7/0
Router(config-if) #ip dhcp excluded-address 10.180.13.129
%LINK-5-CHANGED: Interface GigabitEthernet7/0, changed state
to up
CA
Router(config) #interface GigabitEthernet 8/0
Router(config-if) #ip address 10.181.13.193 255.255.255.192
Router(config-if) #no shut
Router(config-if)#exit
Router (config) #ip dhcp pool CA
Router(dhcp-config) #network 10.181.13.192 255.255.255.192
Router (dhcp-config) #default-router 10.181.13.193
Router (dhcp-config) #exit
Router(config) #interface GigabitEthernet8/0
Router(config-if) #ip dhcp excluded-address 10.181.13.193
%LINK-5-CHANGED: Interface GigabitEthernet8/0, changed state
to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet8/0, changed state to up
```

SA

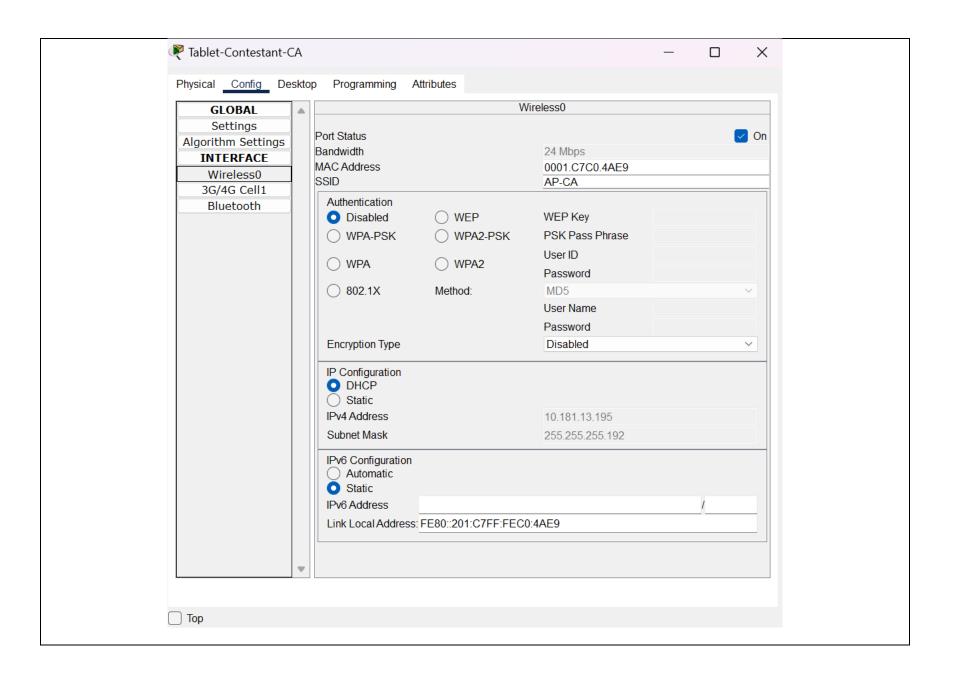
```
Router(config) #interface GigabitEthernet 9/0
Router(config-if) #ip address 10.180.14.1 255.255.255.240
Router(config-if) #no shut

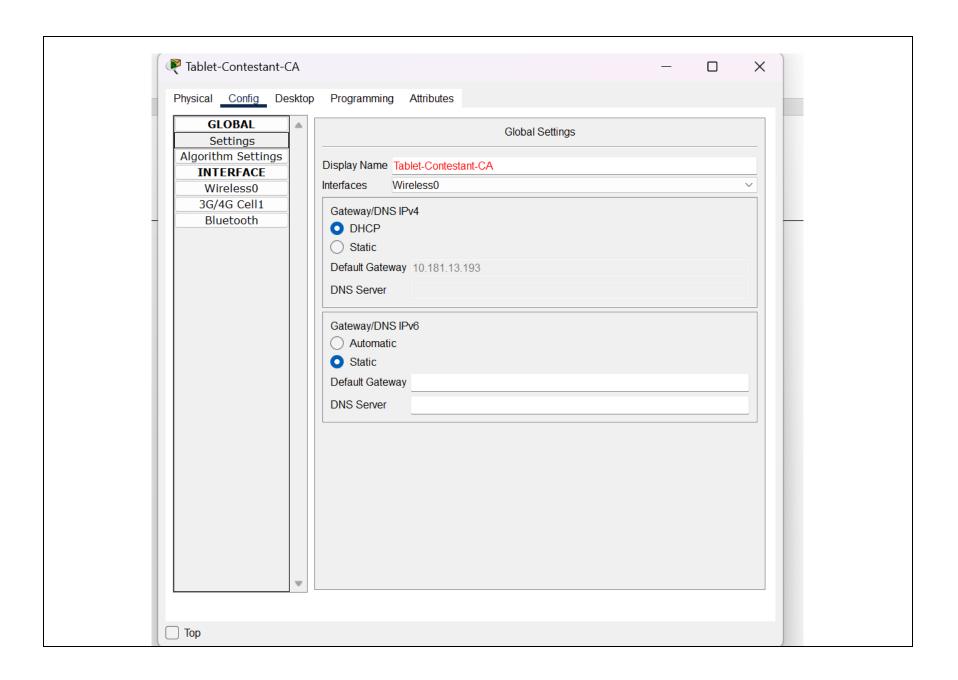
Router(config-if) #exit
Router(config) #ip dhcp pool SA
Router(dhcp-config) #network 10.180.14.0 255.255.255.240
Router(dhcp-config) #default-router 10.180.14.1
Router(dhcp-config) #exit
Router(config) #interface GigabitEthernet9/0
Router(config-if) #ip dhcp excluded-address 10.180.14.1
%LINK-5-CHANGED: Interface GigabitEthernet9/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet9/0, changed state to up
```



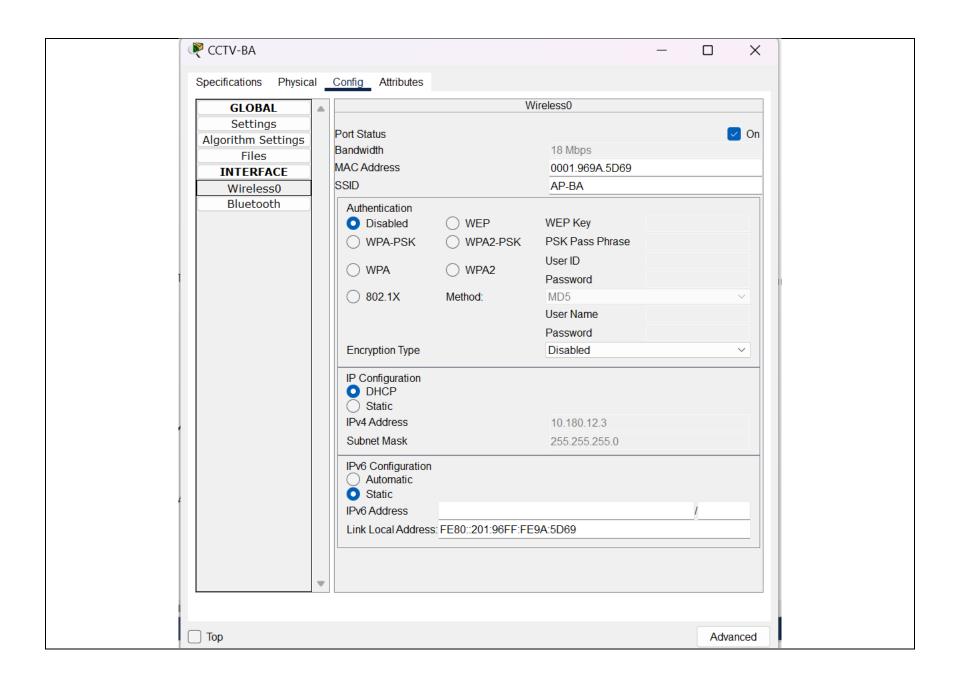


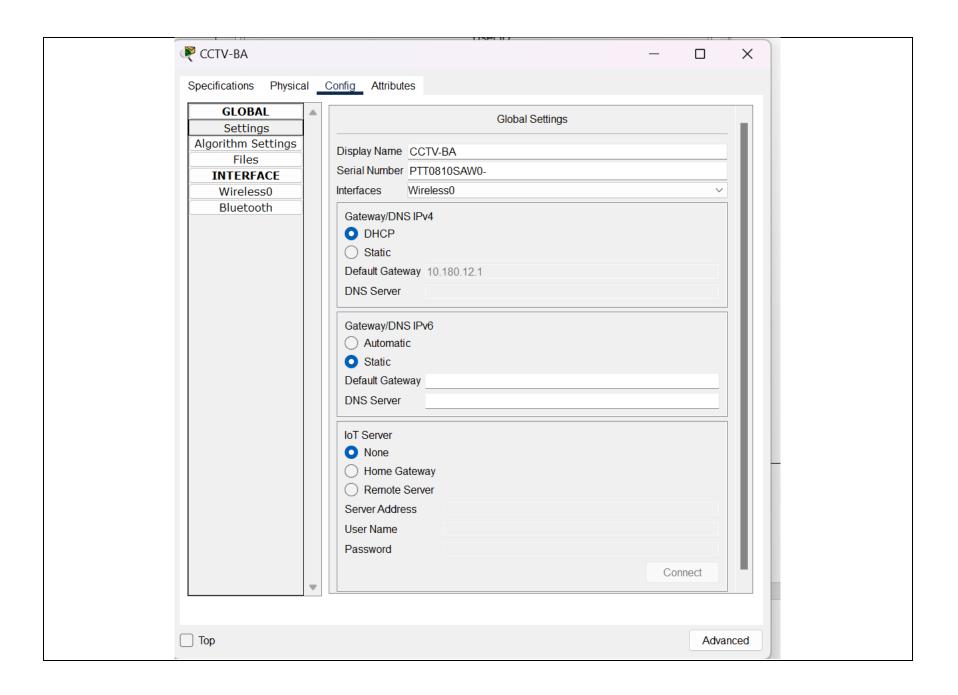
Screenshot End Devices IP Configuration from Competition Area Sub-Network Tablet-Contestant-CA





Screenshot End Devices IP Configuration from Bazaar Area Sub-Network CCTV-BA





Screenshot End Devices IP Configuration from Cosplayer Contest Area Sub-Network								
Smartphone-Cosplayer-CCA								
Dibawah!!								

