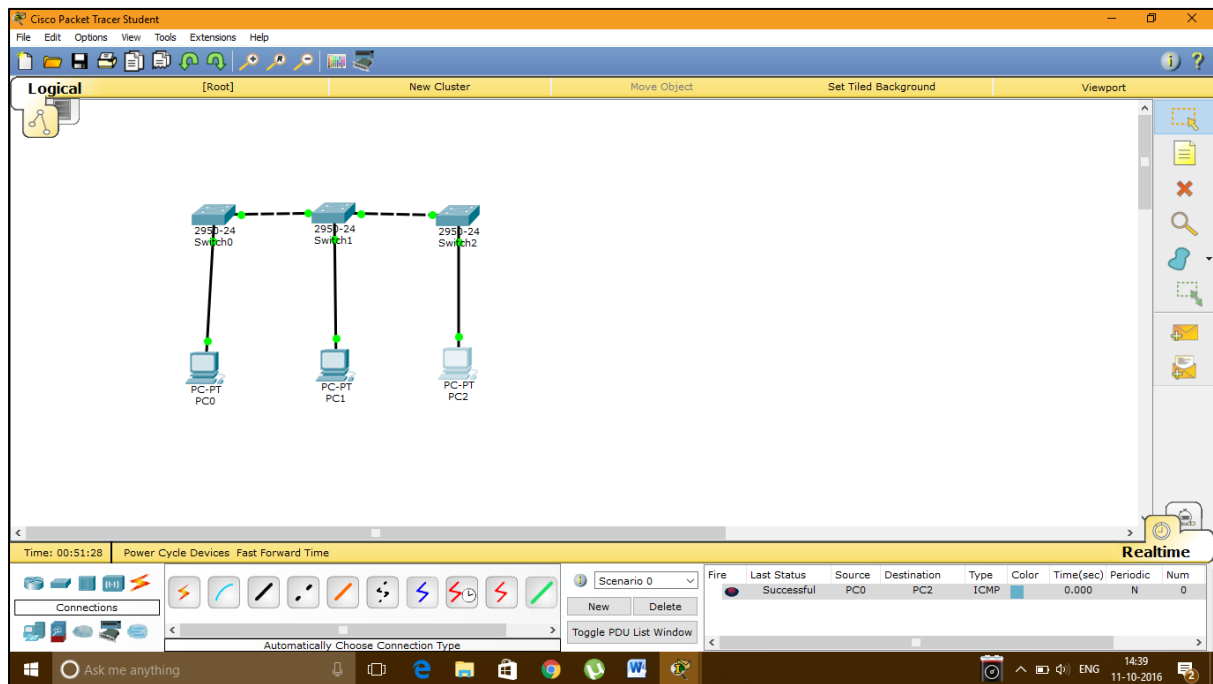


Network Topology

1. BUS Topology:

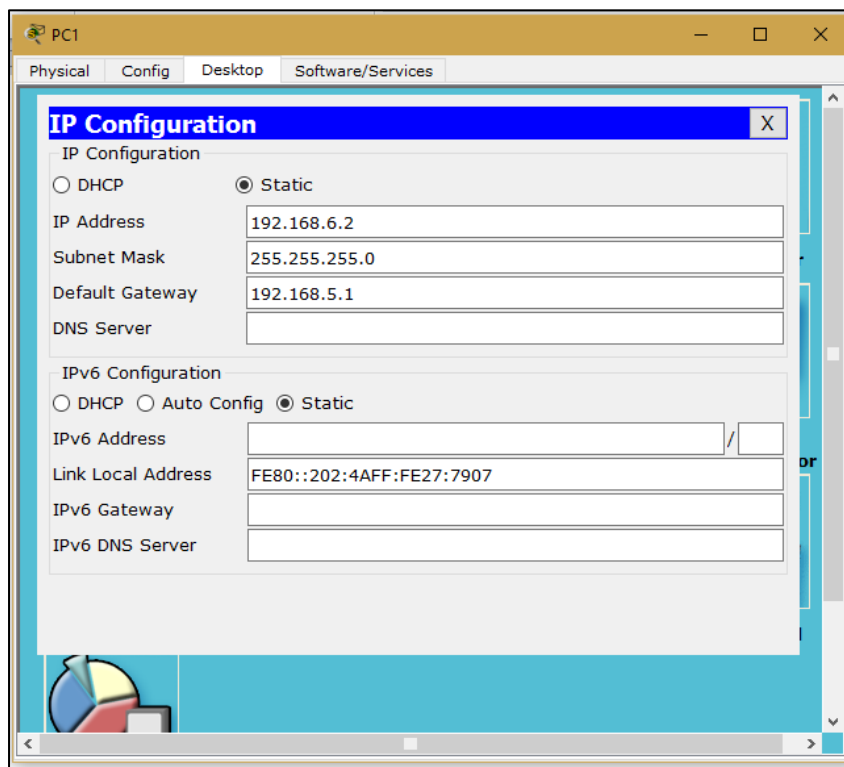


IP Configuration of PC0:

The screenshot shows the configuration window for PC0 in Cisco Packet Tracer. The window has tabs for Physical, Config, Desktop, and Software/Services. The IP Configuration tab is selected, showing the following settings:

- IP Configuration: ☐ DHCP, ☒ Static
- IP Address: 192.168.6.1
- Subnet Mask: 255.255.255.0
- Default Gateway: 192.168.5.1
- DNS Server: (empty field)
- IPv6 Configuration: ☐ DHCP, ☐ Auto Config, ☒ Static
- IPv6 Address: (empty field)
- Link Local Address: FE80::20C:85FF:FE71:E939
- IPv6 Gateway: (empty field)
- IPv6 DNS Server: (empty field)

IP Configuration of PC1:

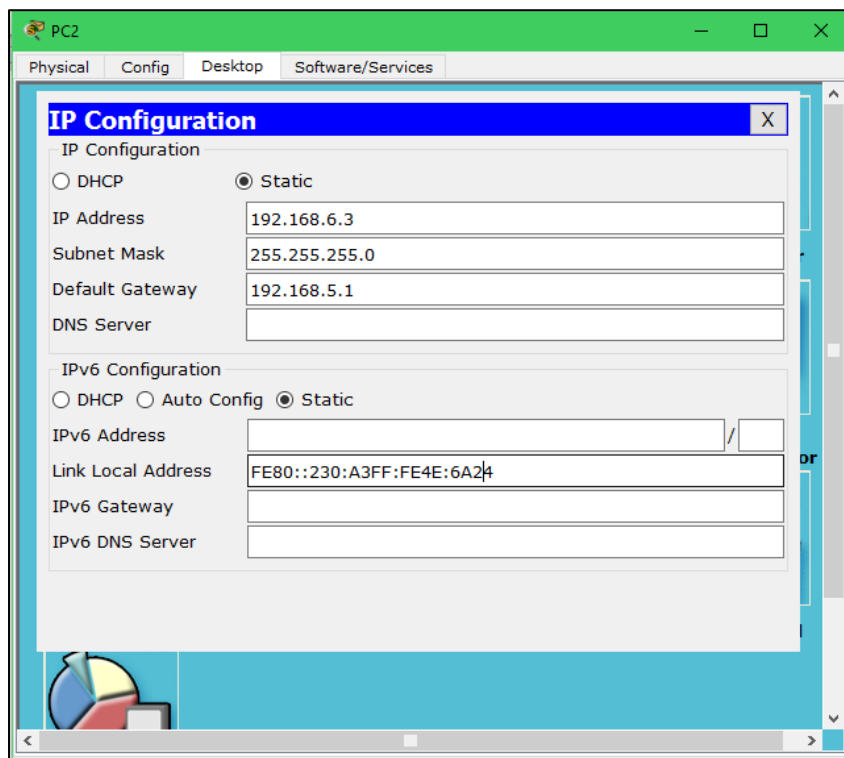


The screenshot shows the 'IP Configuration' window for PC1. The window has a title bar with 'PC1' and standard minimize, maximize, and close buttons. Below the title bar are four tabs: 'Physical', 'Config', 'Desktop', and 'Software/Services'. The 'Config' tab is selected. The main content area is titled 'IP Configuration' in a blue header. It contains two sections: 'IP Configuration' and 'IPv6 Configuration'. In the 'IP Configuration' section, the 'Static' radio button is selected. The fields are filled with: IP Address: 192.168.6.2, Subnet Mask: 255.255.255.0, Default Gateway: 192.168.5.1, and DNS Server: (empty). In the 'IPv6 Configuration' section, the 'Static' radio button is selected. The fields are: IPv6 Address: (empty), Link Local Address: FE80::202:4AFF:FE27:7907, IPv6 Gateway: (empty), and IPv6 DNS Server: (empty). A small icon of a computer with a pie chart is visible in the bottom left corner of the window.

IP Configuration	
☐ DHCP ☒ Static	
IP Address	192.168.6.2
Subnet Mask	255.255.255.0
Default Gateway	192.168.5.1
DNS Server	

IPv6 Configuration	
☐ DHCP ☐ Auto Config ☒ Static	
IPv6 Address	
Link Local Address	FE80::202:4AFF:FE27:7907
IPv6 Gateway	
IPv6 DNS Server	

IP Configuration of PC2:

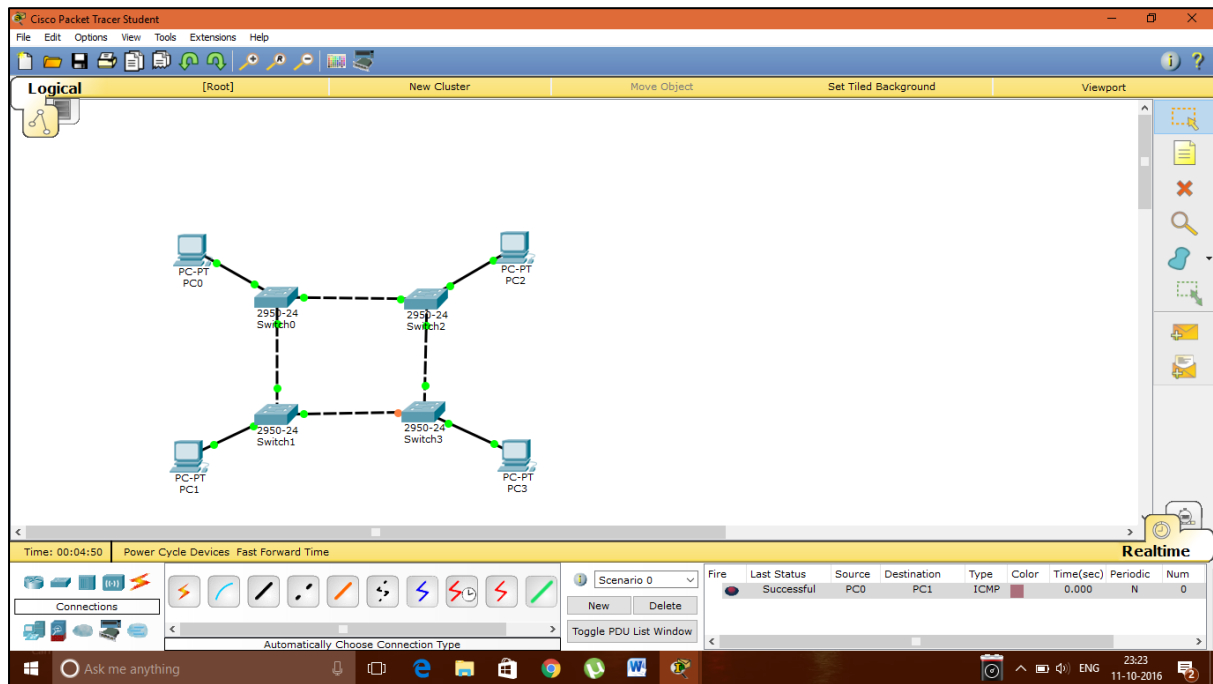


The screenshot shows the 'IP Configuration' window for PC2. The window has a title bar with 'PC2' and standard minimize, maximize, and close buttons. Below the title bar are four tabs: 'Physical', 'Config', 'Desktop', and 'Software/Services'. The 'Config' tab is selected. The main content area is titled 'IP Configuration' in a blue header. It contains two sections: 'IP Configuration' and 'IPv6 Configuration'. In the 'IP Configuration' section, the 'Static' radio button is selected. The fields are filled with: IP Address: 192.168.6.3, Subnet Mask: 255.255.255.0, Default Gateway: 192.168.5.1, and DNS Server: (empty). In the 'IPv6 Configuration' section, the 'Static' radio button is selected. The fields are: IPv6 Address: (empty), Link Local Address: FE80::230:A3FF:FE4E:6A24, IPv6 Gateway: (empty), and IPv6 DNS Server: (empty). A small icon of a computer with a pie chart is visible in the bottom left corner of the window.

IP Configuration	
☐ DHCP ☒ Static	
IP Address	192.168.6.3
Subnet Mask	255.255.255.0
Default Gateway	192.168.5.1
DNS Server	

IPv6 Configuration	
☐ DHCP ☐ Auto Config ☒ Static	
IPv6 Address	
Link Local Address	FE80::230:A3FF:FE4E:6A24
IPv6 Gateway	
IPv6 DNS Server	

2. RING Topology:

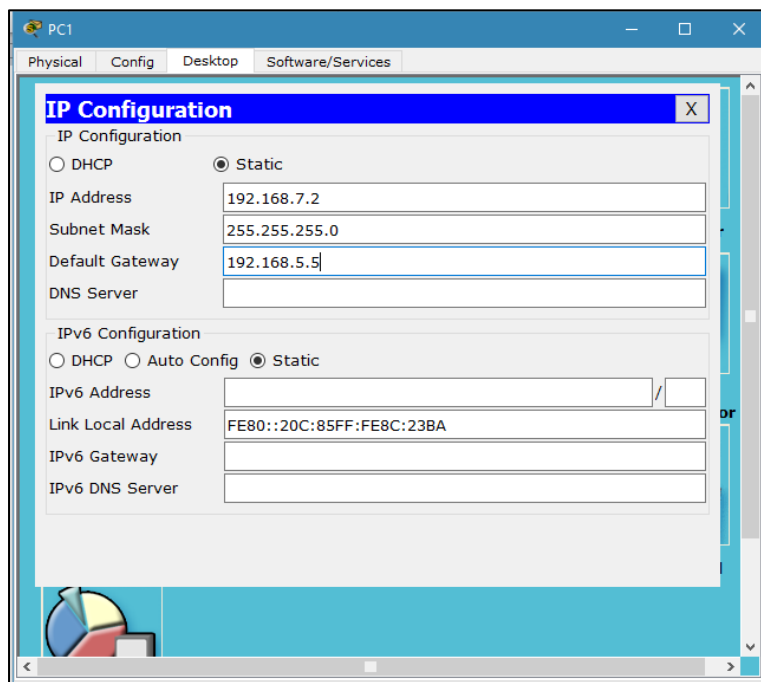


IP Configuration of PC0:

The screenshot shows the configuration window for PC0. The 'Config' tab is selected, and the 'IP Configuration' section is expanded. The configuration is set to 'Static'.

IP Configuration	
☐ DHCP ☒ Static	
IP Address	192.168.7.1
Subnet Mask	255.255.255.0
Default Gateway	192.168.5.5
DNS Server	
IPv6 Configuration	
☐ DHCP ☐ Auto Config ☒ Static	
IPv6 Address	
Link Local Address	FE80::201:63FF:FE51:582D
IPv6 Gateway	
IPv6 DNS Server	

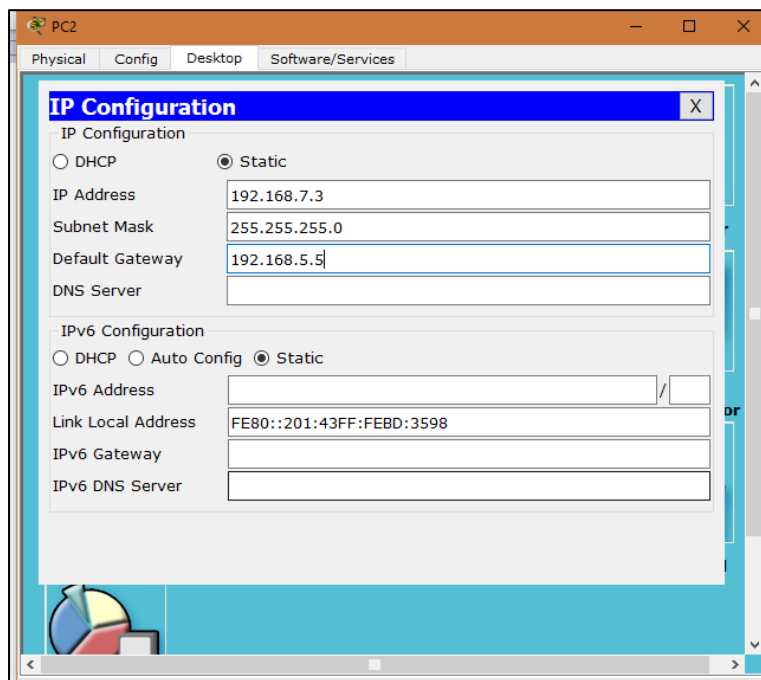
IP Configuration of PC1:



The screenshot shows the 'IP Configuration' window for PC1. The window has tabs for 'Physical', 'Config', 'Desktop', and 'Software/Services'. The 'Config' tab is active. The 'IP Configuration' section has two sub-sections: 'IP Configuration' and 'IPv6 Configuration'. In the 'IP Configuration' section, the 'Static' radio button is selected. The fields are filled with: IP Address: 192.168.7.2, Subnet Mask: 255.255.255.0, Default Gateway: 192.168.5.5, and DNS Server: (empty). In the 'IPv6 Configuration' section, the 'Static' radio button is selected. The fields are filled with: IPv6 Address: (empty), Link Local Address: FE80::20C:85FF:FE8C:23BA, IPv6 Gateway: (empty), and IPv6 DNS Server: (empty).

IP Configuration		
IP Configuration		
☐ DHCP	☒ Static	
IP Address	192.168.7.2	
Subnet Mask	255.255.255.0	
Default Gateway	192.168.5.5	
DNS Server		
IPv6 Configuration		
☐ DHCP	☐ Auto Config	☒ Static
IPv6 Address		
Link Local Address	FE80::20C:85FF:FE8C:23BA	
IPv6 Gateway		
IPv6 DNS Server		

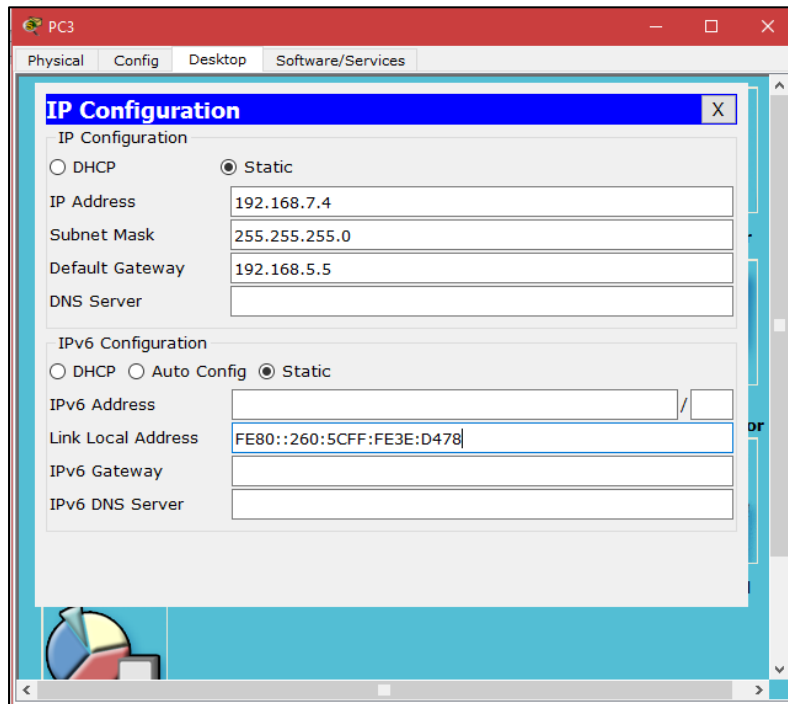
IP Configuration of PC2:



The screenshot shows the 'IP Configuration' window for PC2. The window has tabs for 'Physical', 'Config', 'Desktop', and 'Software/Services'. The 'Config' tab is active. The 'IP Configuration' section has two sub-sections: 'IP Configuration' and 'IPv6 Configuration'. In the 'IP Configuration' section, the 'Static' radio button is selected. The fields are filled with: IP Address: 192.168.7.3, Subnet Mask: 255.255.255.0, Default Gateway: 192.168.5.5, and DNS Server: (empty). In the 'IPv6 Configuration' section, the 'Static' radio button is selected. The fields are filled with: IPv6 Address: (empty), Link Local Address: FE80::201:43FF:FE8D:3598, IPv6 Gateway: (empty), and IPv6 DNS Server: (empty).

IP Configuration		
IP Configuration		
☐ DHCP	☒ Static	
IP Address	192.168.7.3	
Subnet Mask	255.255.255.0	
Default Gateway	192.168.5.5	
DNS Server		
IPv6 Configuration		
☐ DHCP	☐ Auto Config	☒ Static
IPv6 Address		
Link Local Address	FE80::201:43FF:FE8D:3598	
IPv6 Gateway		
IPv6 DNS Server		

IP Configuration of PC3:



The screenshot shows a window titled "PC3" with a red title bar and standard Windows window controls. Inside the window, there are four tabs: "Physical", "Config", "Desktop", and "Software/Services". The "Config" tab is active, displaying the "IP Configuration" window. This window has a blue header bar with the title "IP Configuration" and a close button (X). The "IP Configuration" window is divided into two sections: "IP Configuration" and "IPv6 Configuration". In the "IP Configuration" section, the "Static" radio button is selected. The fields are filled with: IP Address: 192.168.7.4, Subnet Mask: 255.255.255.0, Default Gateway: 192.168.5.5, and DNS Server: (empty). In the "IPv6 Configuration" section, the "Static" radio button is selected. The fields are filled with: IPv6 Address: (empty), Link Local Address: FE80::260:5CFF:FE3E:D478, IPv6 Gateway: (empty), and IPv6 DNS Server: (empty). The background of the PC3 window shows a desktop with a blue background and a small icon of a pie chart and a folder in the bottom left corner.

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address: 192.168.7.4

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.5.5

DNS Server:

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

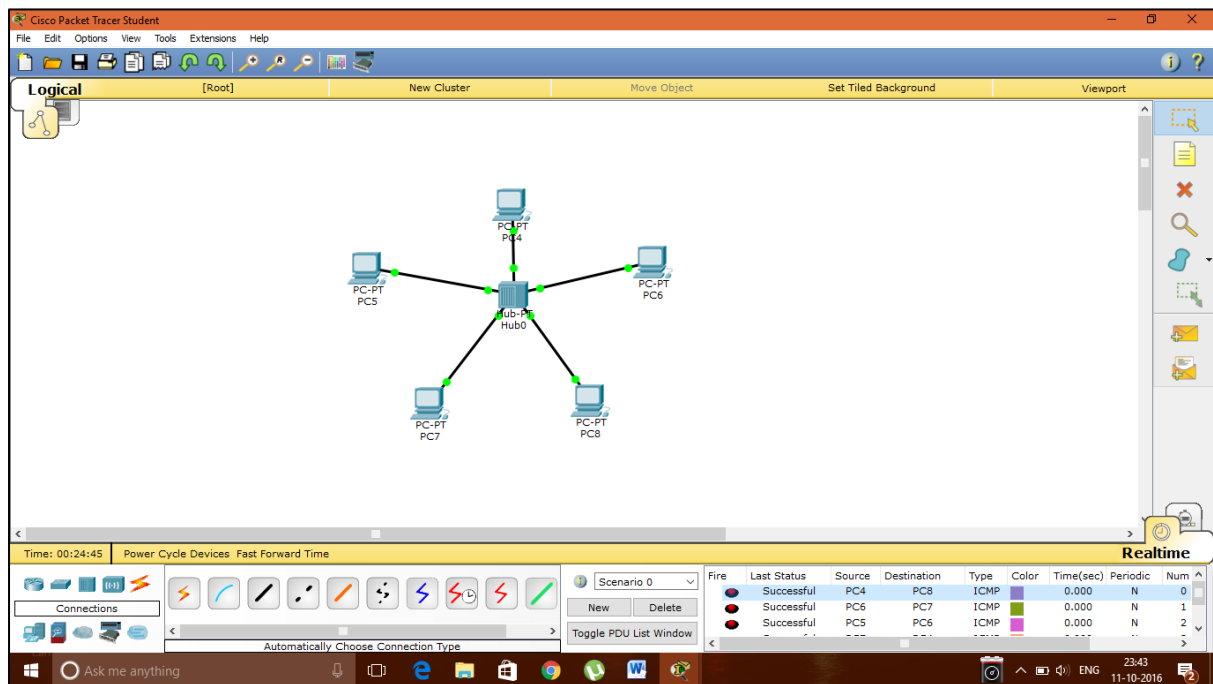
IPv6 Address: /

Link Local Address: FE80::260:5CFF:FE3E:D478

IPv6 Gateway:

IPv6 DNS Server:

3. STAR Topology:



IP Configuration of PC4:

The screenshot shows the configuration window for PC4 in Cisco Packet Tracer. The 'Config' tab is selected, and the 'IP Configuration' section is expanded. The configuration is set to Static IP.

IP Configuration

☐ DHCP ☒ Static

IP Address: 192.168.7.5

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.5.5

DNS Server:

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

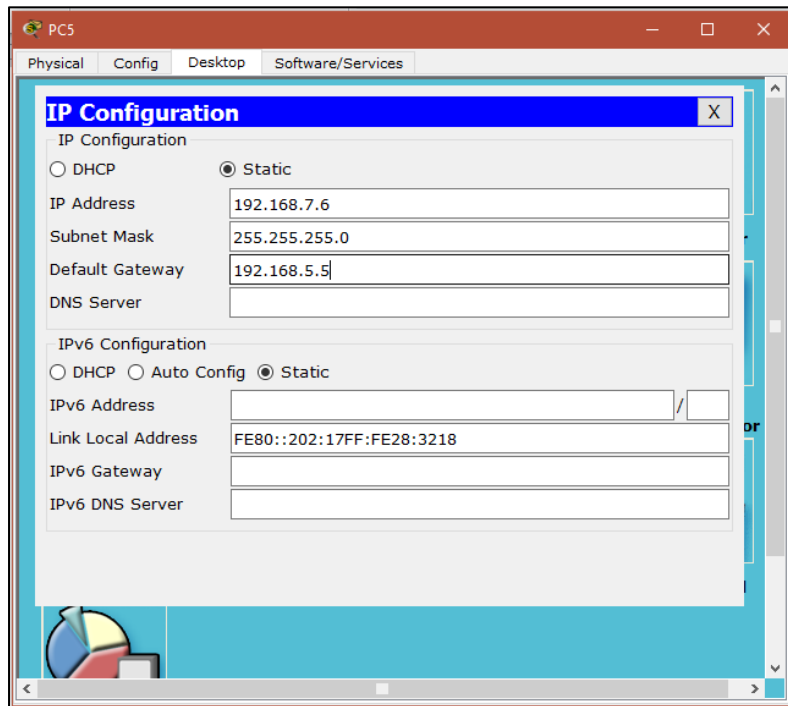
IPv6 Address:

Link Local Address: FE80::260:3EFF:FE15:80C3

IPv6 Gateway:

IPv6 DNS Server:

IP Configuration of PC5:

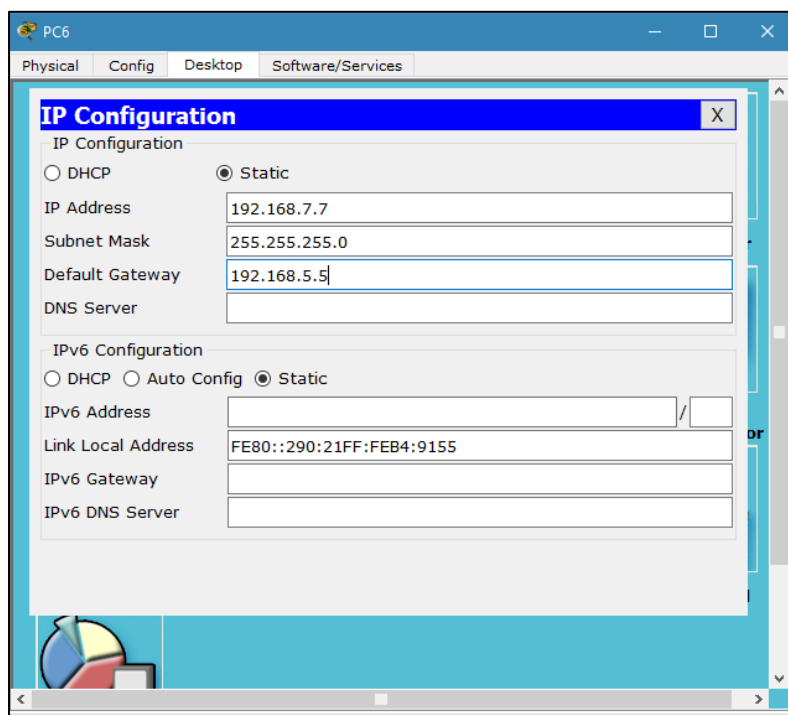


The screenshot shows the 'IP Configuration' window for PC5. The window has tabs for 'Physical', 'Config', 'Desktop', and 'Software/Services'. The 'Config' tab is active. The window is titled 'IP Configuration' with a close button 'X'. It contains two sections: 'IP Configuration' and 'IPv6 Configuration'. In the 'IP Configuration' section, the 'Static' radio button is selected. The fields are: IP Address (192.168.7.6), Subnet Mask (255.255.255.0), Default Gateway (192.168.5.5), and DNS Server (empty). In the 'IPv6 Configuration' section, the 'Static' radio button is selected. The fields are: IPv6 Address (empty), Link Local Address (FE80::202:17FF:FE28:3218), IPv6 Gateway (empty), and IPv6 DNS Server (empty).

IP Configuration	
☐ DHCP ☒ Static	
IP Address	192.168.7.6
Subnet Mask	255.255.255.0
Default Gateway	192.168.5.5
DNS Server	

IPv6 Configuration	
☐ DHCP ☐ Auto Config ☒ Static	
IPv6 Address	
Link Local Address	FE80::202:17FF:FE28:3218
IPv6 Gateway	
IPv6 DNS Server	

IP Configuration of PC6:

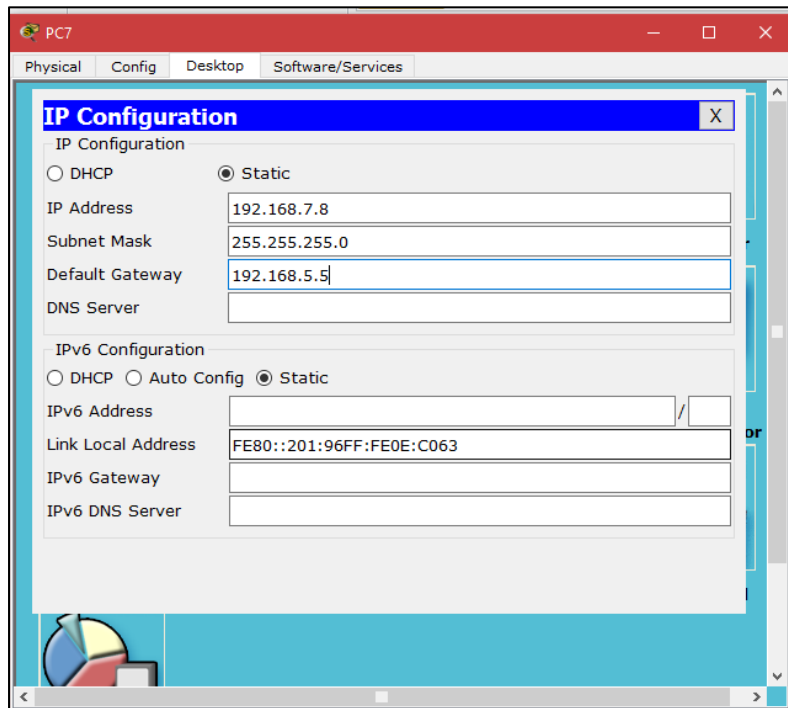


The screenshot shows the 'IP Configuration' window for PC6. The window has tabs for 'Physical', 'Config', 'Desktop', and 'Software/Services'. The 'Config' tab is active. The window is titled 'IP Configuration' with a close button 'X'. It contains two sections: 'IP Configuration' and 'IPv6 Configuration'. In the 'IP Configuration' section, the 'Static' radio button is selected. The fields are: IP Address (192.168.7.7), Subnet Mask (255.255.255.0), Default Gateway (192.168.5.5), and DNS Server (empty). In the 'IPv6 Configuration' section, the 'Static' radio button is selected. The fields are: IPv6 Address (empty), Link Local Address (FE80::290:21FF:FE84:9155), IPv6 Gateway (empty), and IPv6 DNS Server (empty).

IP Configuration	
☐ DHCP ☒ Static	
IP Address	192.168.7.7
Subnet Mask	255.255.255.0
Default Gateway	192.168.5.5
DNS Server	

IPv6 Configuration	
☐ DHCP ☐ Auto Config ☒ Static	
IPv6 Address	
Link Local Address	FE80::290:21FF:FE84:9155
IPv6 Gateway	
IPv6 DNS Server	

IP Configuration of PC7:

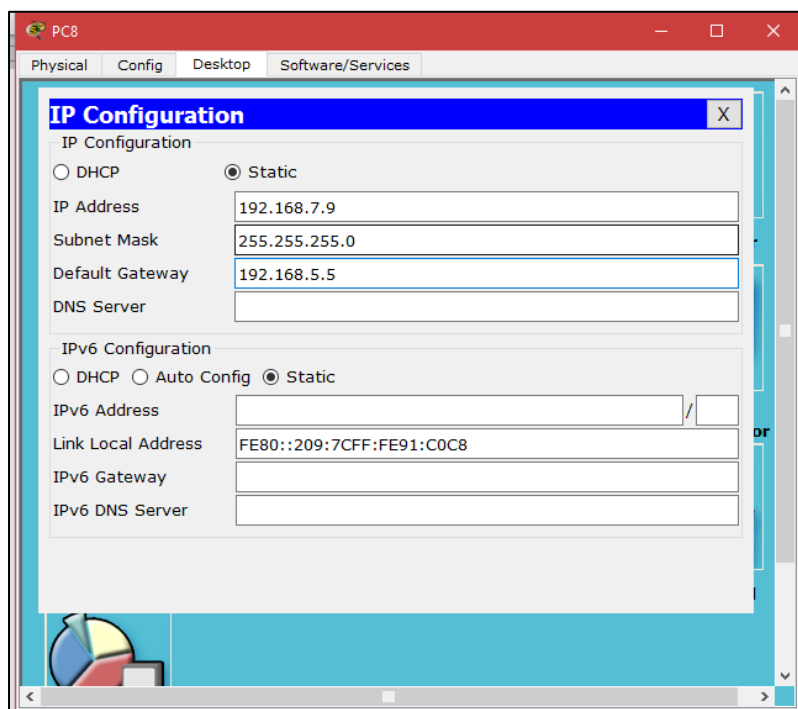


The screenshot shows the 'IP Configuration' window for PC7. The window has a title bar with 'PC7' and standard minimize, maximize, and close buttons. Below the title bar are tabs for 'Physical', 'Config', 'Desktop', and 'Software/Services'. The 'Config' tab is active, displaying the 'IP Configuration' dialog. The dialog has a blue header with the title 'IP Configuration' and a close button 'X'. It contains two sections: 'IP Configuration' and 'IPv6 Configuration'. In the 'IP Configuration' section, the 'Static' radio button is selected. The fields are: IP Address (192.168.7.8), Subnet Mask (255.255.255.0), Default Gateway (192.168.5.5), and DNS Server (empty). In the 'IPv6 Configuration' section, the 'Static' radio button is also selected. The fields are: IPv6 Address (empty), Link Local Address (FE80::201:96FF:FE0E:C063), IPv6 Gateway (empty), and IPv6 DNS Server (empty). The background of the PC desktop shows a blue taskbar and a pie chart icon.

IP Configuration	
☐ DHCP ☒ Static	
IP Address	192.168.7.8
Subnet Mask	255.255.255.0
Default Gateway	192.168.5.5
DNS Server	

IPv6 Configuration	
☐ DHCP ☐ Auto Config ☒ Static	
IPv6 Address	
Link Local Address	FE80::201:96FF:FE0E:C063
IPv6 Gateway	
IPv6 DNS Server	

IP Configuration of PC8:

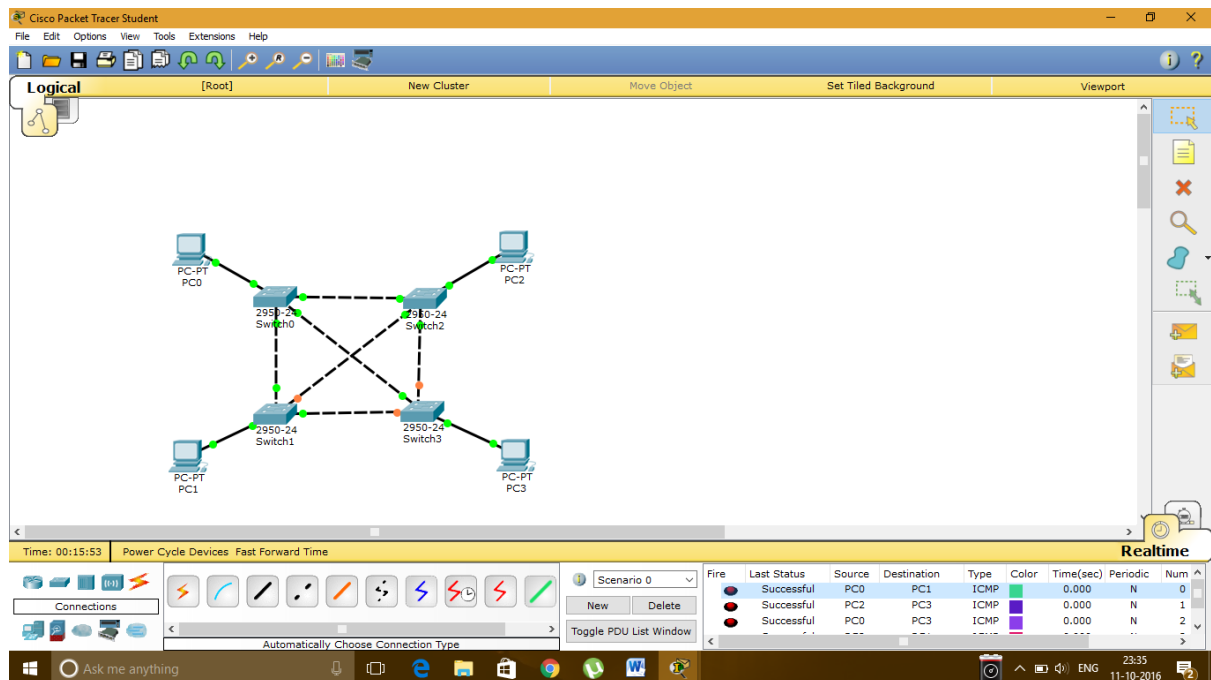


The screenshot shows the 'IP Configuration' window for PC8. The window has a title bar with 'PC8' and standard minimize, maximize, and close buttons. Below the title bar are tabs for 'Physical', 'Config', 'Desktop', and 'Software/Services'. The 'Config' tab is active, displaying the 'IP Configuration' dialog. The dialog has a blue header with the title 'IP Configuration' and a close button 'X'. It contains two sections: 'IP Configuration' and 'IPv6 Configuration'. In the 'IP Configuration' section, the 'Static' radio button is selected. The fields are: IP Address (192.168.7.9), Subnet Mask (255.255.255.0), Default Gateway (192.168.5.5), and DNS Server (empty). In the 'IPv6 Configuration' section, the 'Static' radio button is also selected. The fields are: IPv6 Address (empty), Link Local Address (FE80::209:7CFF:FE91:C0C8), IPv6 Gateway (empty), and IPv6 DNS Server (empty). The background of the PC desktop shows a blue taskbar and a pie chart icon.

IP Configuration	
☐ DHCP ☒ Static	
IP Address	192.168.7.9
Subnet Mask	255.255.255.0
Default Gateway	192.168.5.5
DNS Server	

IPv6 Configuration	
☐ DHCP ☐ Auto Config ☒ Static	
IPv6 Address	
Link Local Address	FE80::209:7CFF:FE91:C0C8
IPv6 Gateway	
IPv6 DNS Server	

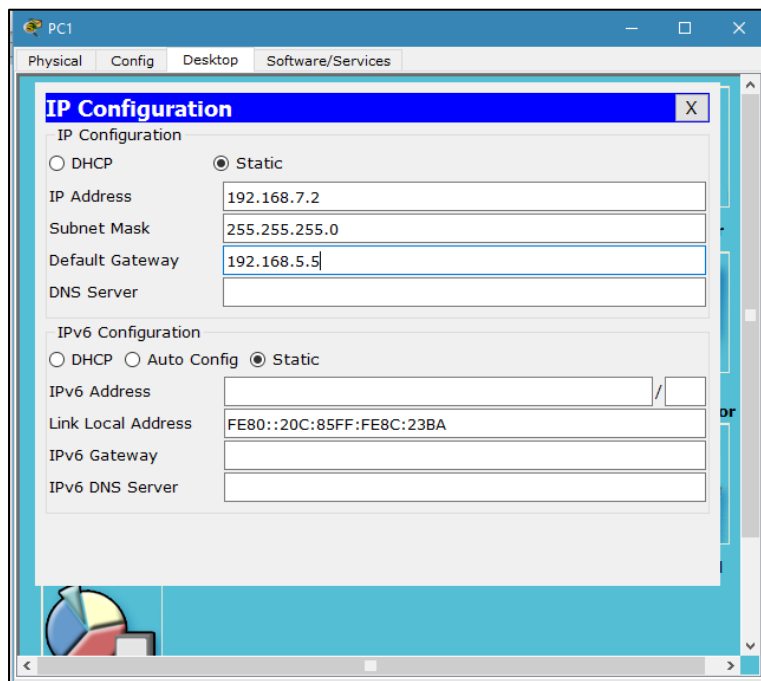
4. MESH Topology:



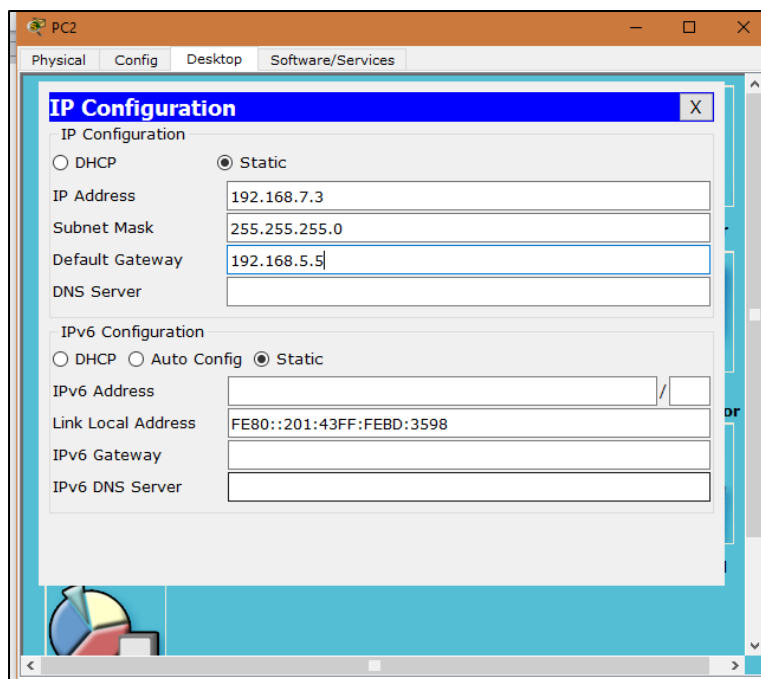
IP Configuration of PC0:

The screenshot shows the IP Configuration window for PC0. The window has tabs for Physical, Config, Desktop, and Software/Services. The Config tab is selected, and the IP Configuration section is expanded. The IP Configuration section has two radio buttons: DHCP and Static. The Static radio button is selected. The IP Address field is set to 192.168.7.1, the Subnet Mask field is set to 255.255.255.0, and the Default Gateway field is set to 192.168.5.5. The IPv6 Configuration section has three radio buttons: DHCP, Auto Config, and Static. The Static radio button is selected. The IPv6 Address field is empty, the Link Local Address field is set to FE80::201:63FF:FE51:582D, and the IPv6 Gateway and IPv6 DNS Server fields are empty.

IP Configuration of PC1:



IP Configuration of PC2:



IP Configuration of PC3:

PC3

Physical Config Desktop Software/Services

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address: 192.168.7.4

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.5.5

DNS Server:

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::260:5CFF:FE3E:D478

IPv6 Gateway:

IPv6 DNS Server: