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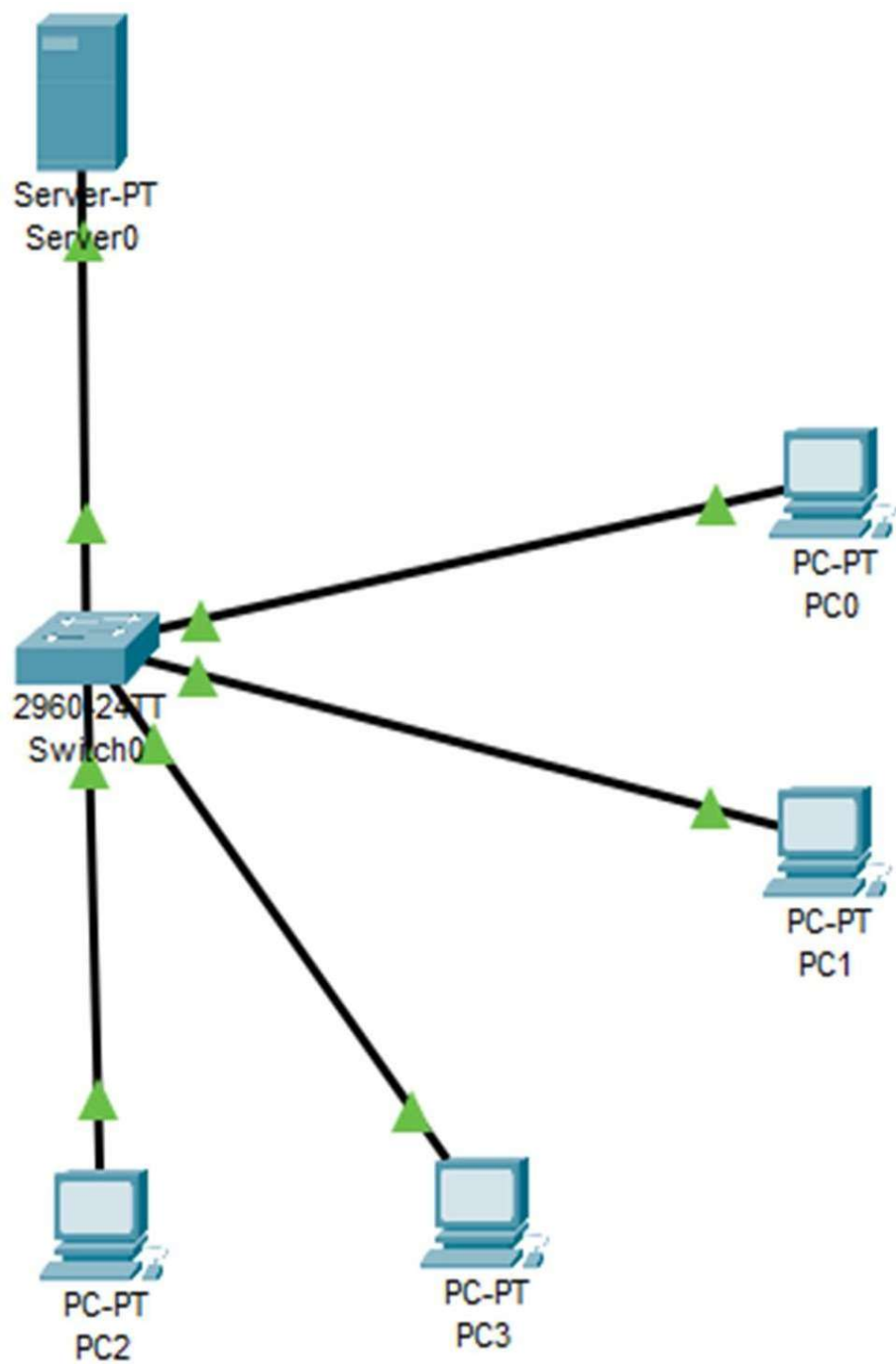
## **ATIVIDADE DHCP - LAN**

**Universidade de Mogi das Cruzes - UMC**

**2025**

# Servidor DHCP

## Topologia-Estrela



## Teste de comunicação com comando “ping”

```
C:\>ping 192.168.0.81
```

```
Pinging 192.168.0.81 with 32 bytes of data:
```

```
Reply from 192.168.0.81: bytes=32 time<1ms TTL=128
```

```
Reply from 192.168.0.81: bytes=32 time<1ms TTL=128
```

```
Reply from 192.168.0.81: bytes=32 time<1ms TTL=128
```

```
Reply from 192.168.0.81: bytes=32 time<1ms TTL=128
```

```
Ping statistics for 192.168.0.81:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
Approximate round trip times in milli-seconds:
```

```
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

```
Ping statistics for 192.168.0.101:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
Approximate round trip times in milli-seconds:
```

```
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

```
C:\>ping 192.168.0.100
```

```
Pinging 192.168.0.100 with 32 bytes of data:
```

```
Reply from 192.168.0.100: bytes=32 time<1ms TTL=128
```

```
Reply from 192.168.0.100: bytes=32 time<1ms TTL=128
```

```
Reply from 192.168.0.100: bytes=32 time<1ms TTL=128
```

```
Reply from 192.168.0.100: bytes=32 time<1ms TTL=128
```

```
Ping statistics for 192.168.0.100:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
Approximate round trip times in milli-seconds:
```

```
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

```
C:\>ping 192.168.0.80
```

```
Pinging 192.168.0.80 with 32 bytes of data:
```

```
Reply from 192.168.0.80: bytes=32 time=6ms TTL=128
```

```
Reply from 192.168.0.80: bytes=32 time=4ms TTL=128
```

```
Reply from 192.168.0.80: bytes=32 time<1ms TTL=128
```

```
Reply from 192.168.0.80: bytes=32 time<1ms TTL=128
```

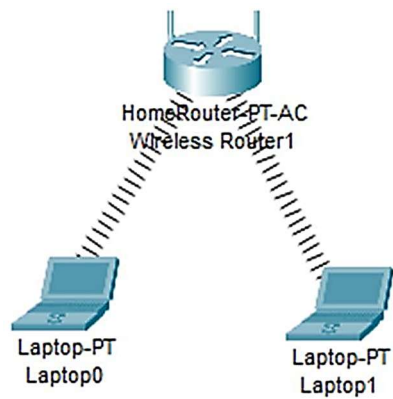
```
Ping statistics for 192.168.0.80:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
Approximate round trip times in milli-seconds:
```

```
    Minimum = 0ms, Maximum = 6ms, Average = 2ms
```

# Rede LAN



## Configuração do DHCP

Wireless Router1

Physical Config **GUI** Attributes

Optional Settings (required by some internet service providers)

Host Name:

Domain Name:

MTU:  Size: 1500

**Network Setup**

Router IP

IP Address:  .  .  .

Subnet Mask:

DHCP Server Settings

DHCP Server: ☒ Enabled ☐ Disabled

Start IP Address:

Maximum number of Users:

IP Address Range: 192.168.0. 100 - 139

Client Lease Time:  minutes (0 means one day)

Static DNS 1:  .  .  .

Static DNS 2:  .  .  .

Static DNS 3:  .  .  .

WINS:  .  .  .

**ISP Vlans**

☐ Enabled ☒ Disabled

Vlan IDs:

Internet:  VoIP:  IPTV:

Port Vlans:

☐ Top

## Configuração de Rede

Wireless Security		Help...
<b>2.4 GHz</b>		
Security Mode:	WPA2 Personal	
Encryption:	AES	
Passphrase:	Dupla123	
Key Renewal:	3600	seconds
<b>5 GHz - 1</b>		
Security Mode:	WPA2 Personal	
Encryption:	AES	
Passphrase:	Dupla123	
Key Renewal:	3600	seconds
<b>5 GHz - 2</b>		
Security Mode:	WPA2 Personal	
Encryption:	AES	
Passphrase:	Dupla123	
Key Renewal:	3600	seconds

Settings		Help...
<b>2.4 GHz</b>		
Network Mode:	Auto	
Network Name (SSID):	Joao_e_Guilherme	
SSID Broadcast:	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled	
Standard Channel:	1 - 2.412GHz	
Channel Bandwidth:	Auto	
<b>5 GHz - 2</b>		
Network Mode:	Auto	
Network Name (SSID):	Joao_e_Guilherme	
SSID Broadcast:	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled	
Standard Channel:	149 - 5.745GHz	
Channel Bandwidth:	Auto	
<b>5 GHz - 1</b>		
Network Mode:	Auto	
Network Name (SSID):	Joao_e_Guilherme	
SSID Broadcast:	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled	
Standard Channel:	Auto	
Channel Bandwidth:	Auto	

## Conectividade com a rede Wi-fi



## Teste de comunicação com comando “ping”

```
C:\>ping 192.168.0.105

Pinging 192.168.0.105 with 32 bytes of data:

Reply from 192.168.0.105: bytes=32 time<1ms TTL=128
Reply from 192.168.0.105: bytes=32 time<1ms TTL=128
Reply from 192.168.0.105: bytes=32 time=4ms TTL=128
Reply from 192.168.0.105: bytes=32 time=2ms TTL=128

Ping statistics for 192.168.0.105:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 4ms, Average = 1ms

C:\>ping 192.168.0.102

Pinging 192.168.0.102 with 32 bytes of data:

Reply from 192.168.0.102: bytes=32 time=18ms TTL=128
Reply from 192.168.0.102: bytes=32 time=14ms TTL=128
Reply from 192.168.0.102: bytes=32 time=16ms TTL=128
Reply from 192.168.0.102: bytes=32 time=15ms TTL=128

Ping statistics for 192.168.0.102:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 14ms, Maximum = 18ms, Average = 15ms
```