Roteiro Configuração Wi-Fi

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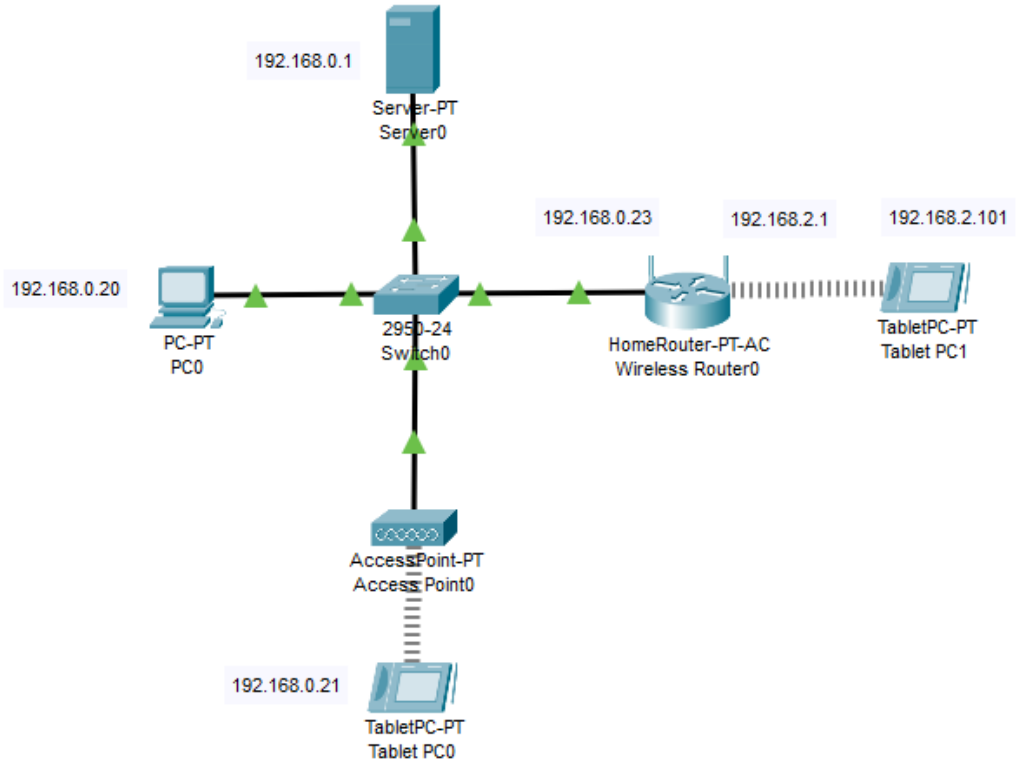
1. Rede



2. Ping PC/Servidor

```
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Connection-specific DNS Suffix..:
   Link-local IPv6 Address.....: FE80::260:5CFF:FE6B:ABC1
   IPv6 Address.....: ::
   IPv4 Address.....: 192.168.0.20
   Subnet Mask.....: 255.255.255.0
   Default Gateway.....: ::
                         192.168.0.1

Bluetooth Connection:

   Connection-specific DNS Suffix..:
   Link-local IPv6 Address.....: ::
   IPv6 Address.....: ::
   IPv4 Address.....: 0.0.0.0
   Subnet Mask.....: 0.0.0.0
   Default Gateway.....: ::
                         0.0.0.0

C:\>ping 192.168.0.1

Pinging 192.168.0.1 with 32 bytes of data:

Reply from 192.168.0.1: bytes=32 time<1ms TTL=128
Reply from 192.168.0.1: bytes=32 time<1ms TTL=128
Reply from 192.168.0.1: bytes=32 time<1ms TTL=128
Reply from 192.168.0.1: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

3. Ping TabletPrincipal/PC

```
C:\>ipconfig

Wireless0 Connection:(default port)

   Connection-specific DNS Suffix..:
   Link-local IPv6 Address.....: FE80::260:47FF:FE82:A58E
   IPv6 Address.....: ::
   IPv4 Address.....: 192.168.0.21
   Subnet Mask.....: 255.255.255.0
   Default Gateway.....: ::
                                 192.168.0.1
```

```
C:\>ping 192.168.0.20

Pinging 192.168.0.20 with 32 bytes of data:

Reply from 192.168.0.20: bytes=32 time=13ms TTL=128
Reply from 192.168.0.20: bytes=32 time=13ms TTL=128
Reply from 192.168.0.20: bytes=32 time=8ms TTL=128
Reply from 192.168.0.20: bytes=32 time=8ms TTL=128

Ping statistics for 192.168.0.20:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 8ms, Maximum = 13ms, Average = 10ms
```

4. Ping TabletSubRede/Roteador

```
C:\>ipconfig

Wireless0 Connection:(default port)

   Connection-specific DNS Suffix..:
   Link-local IPv6 Address.....: FE80::260:3EFF:FEEB:E5A6
   IPv6 Address.....: ::
   IPv4 Address.....: 192.168.2.101
   Subnet Mask.....: 255.255.255.0
   Default Gateway.....: ::
                                 192.168.2.1
```

```
C:\>ping 192.168.2.1

Pinging 192.168.2.1 with 32 bytes of data:

Reply from 192.168.2.1: bytes=32 time=22ms TTL=255
Reply from 192.168.2.1: bytes=32 time=9ms TTL=255
Reply from 192.168.2.1: bytes=32 time=12ms TTL=255
Reply from 192.168.2.1: bytes=32 time=15ms TTL=255

Ping statistics for 192.168.2.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 9ms, Maximum = 22ms, Average = 14ms
```

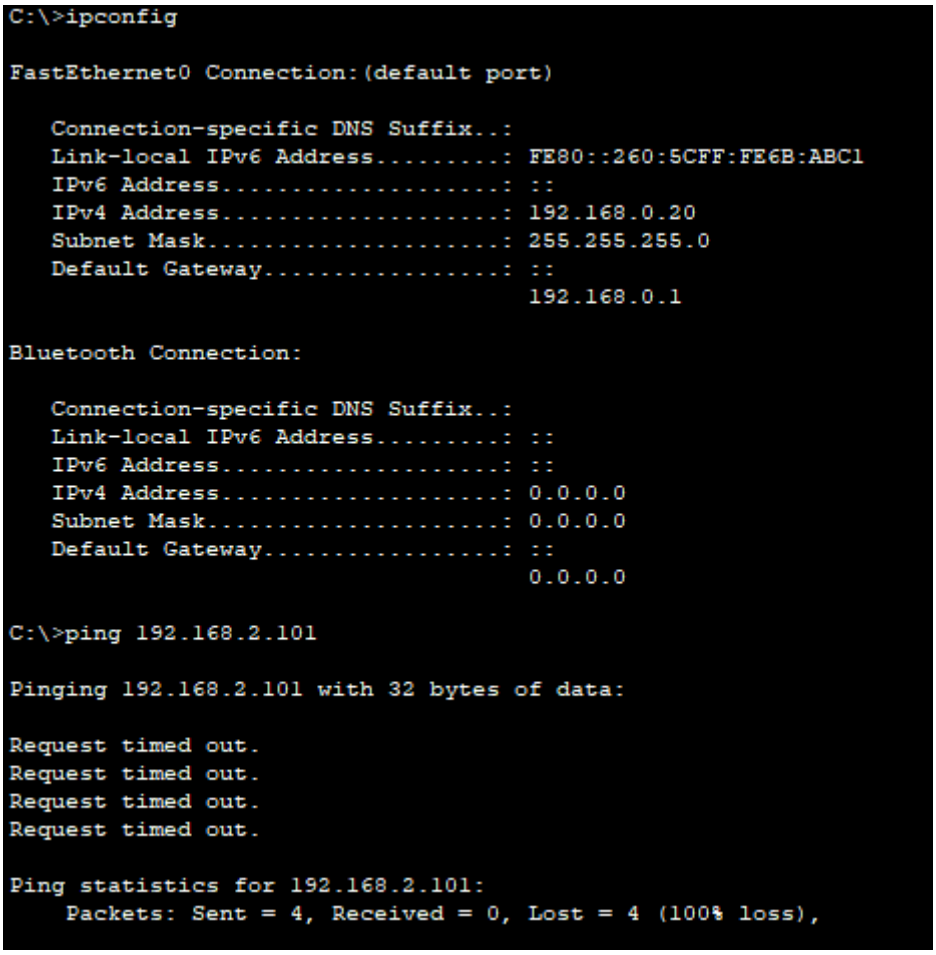
5. Ping TabletSubRede/PC

```
C:\>ipconfig

Wireless0 Connection:(default port)

   Connection-specific DNS Suffix..:
   Link-local IPv6 Address.....: FE80::260:3EFF:FEEB:E5A6
   IPv6 Address.....: ::
   IPv4 Address.....: 192.168.2.101
   Subnet Mask.....: 255.255.255.0
   Default Gateway.....: ::
                                 192.168.2.1
```

```
C:\>ping 192.168.0.20

Pinging 192.168.0.20 with 32 bytes of data:

Reply from 192.168.0.20: bytes=32 time=14ms TTL=255
Reply from 192.168.0.20: bytes=32 time=14ms TTL=255
Reply from 192.168.0.20: bytes=32 time=10ms TTL=255
Reply from 192.168.0.20: bytes=32 time=10ms TTL=255

Ping statistics for 192.168.0.20:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 10ms, Maximum = 14ms, Average = 12ms
```

O tablet, em uma sub-rede e, ao tentar se comunicar com um dispositivo fora dela envia o pacote para o roteador, que por sua vez esta conectado a rede principal, traduziando o endereço e completando o ping

6. Ping PC/ TabletSubRede



O ping entre o PC e o tabled da subrede gera falha uma vez que os aparelhos estão em redes diferentes, fazendo com q o PC não tenha conhecimento do ip do tablet