



Logical Physical

Topology



Addressing Table

Dispositivo	Interface	Endereço IPv6	Comprimento do Prefixo	Gateway p
R1	G0/0/0	2001:db8:acad:a::1	64	N/D
	G0/0/1	2001:db8:acad:1::1	64	N/D
S1	VLAN 1	2001:db8:acad:1::b	64	N/A (fe80::1
PC-A	NIC	2001:db8:acad:1::3	64	fe80::1
PC-B	NIC	2001:db8:acad:a::3	64	fe80::1

Tarefa

Objetivos

- Parte 1: Configurar a Topologia e Definir as Configurações Básicas de Roteadores e Switches
- Parte 2: Configurar Endereços IPv6 Manualmente
- Parte 3: Verificar a Conectividade de Ponta a Ponta

Histórico/Cenário

Nesta atividade do modo físico do packet tracer (PTPM), você configurará anfitriões e interfaces de dispositivo com endereços IPv6. Você emitirá comandos show para visualizar endereços unicast IPv6. Você também verificará a conectividade de ponta a ponta usando os comandos ping e traceroute.

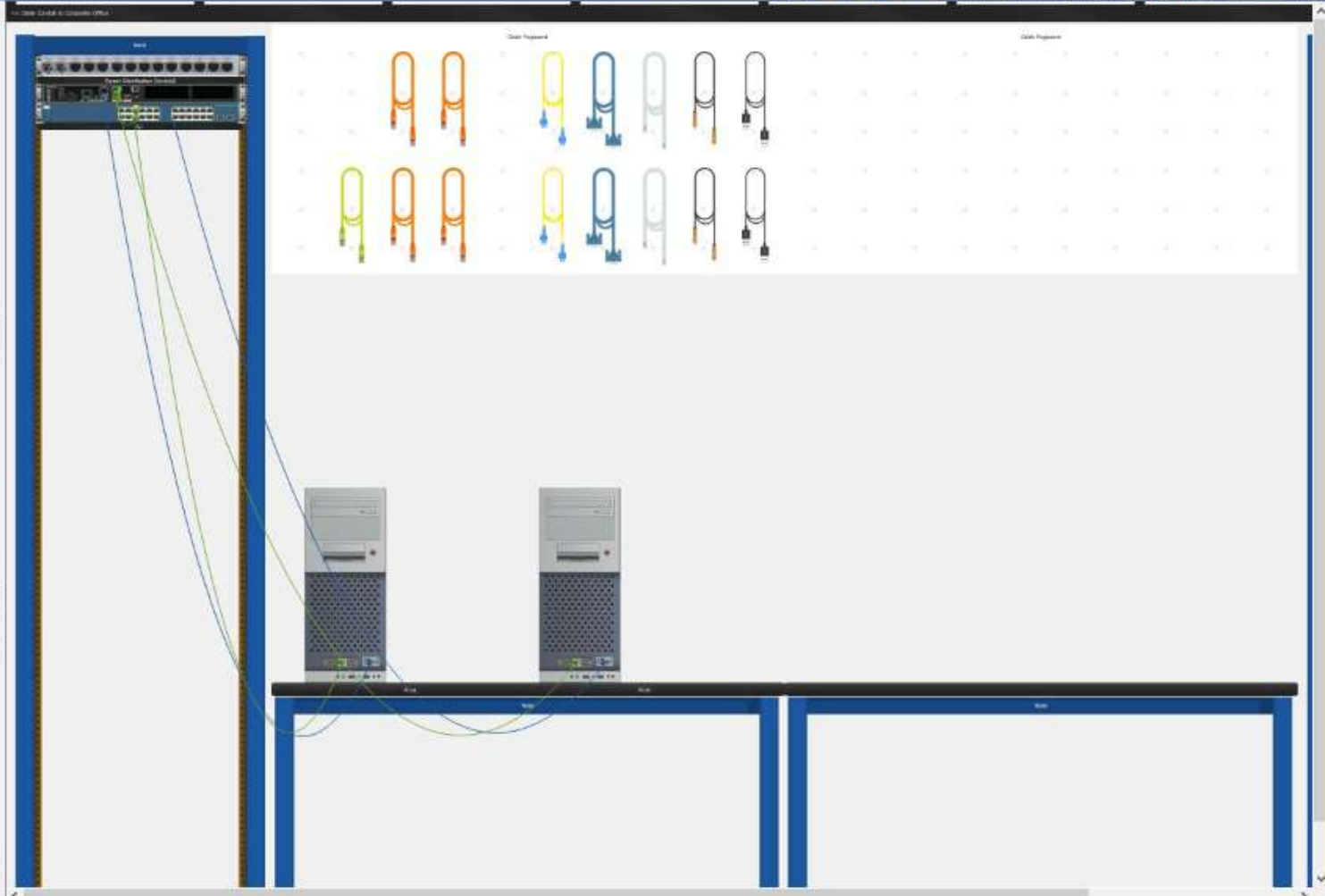
Time Elapsed: 00:57:55

Completion: 100%

☒ Deck

Time 00:00:03

Realtime Simulation



Command Prompt

```
Subnet Mask.....: 0.0.0.0
Default Gateway.....: ::
                    0.0.0.0
```

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:\>ipconfig
```

FastEthernet0 Connection: (default port)

```
Connection-specific DNS Suffix...:
Link-local IPv6 Address.....: FE80::2D0:58FF:FE51:5E24
IPv6 Address.....: 2001:DB8:ACAD:A:2D0:58FF:FE51:5E24
IPv4 Address.....: 0.0.0.0
Subnet Mask.....: 0.0.0.0
Default Gateway.....: FE80::1
                    0.0.0.0
```

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:\>
```

Terminal

```
R1(config)#int g0/0/0
R1(config-if)#ipv6 address fe80::1 link-local
^
% Invalid input detected at '^' marker.

R1(config-if)#ipv6 address fe80::1 link-local
R1(config-if)#int g0/0/1
R1(config-if)#ipv6 address fe80::1 link-local
R1(config-if)#exit
R1(config)#end
R1#
%SYS-5-CONFIG_I: Configured from console by console
show ipv6 interface brief
GigabitEthernet0/0/0      [up/up]
    FE80::1
    2001:DB8:ACAD:A::1
GigabitEthernet0/0/1      [administratively down/down]
    FE80::1
    2001:DB8:ACAD:1::1
Vlan1                     [administratively down/down]
    unassigned
R1#show ipv6 interface g0/0/0
GigabitEthernet0/0/0 is up, line protocol is up
  IPv6 is enabled, link-local address is FE80::1
  No Virtual link-local address(es):
  Global unicast address(es):
    2001:DB8:ACAD:A::1, subnet is 2001:DB8:ACAD:A::/64
  Joined group address(es):
    FF02::1
    FF02::1:FF00:1
  MTU is 1500 bytes
  ICMP error messages limited to one every 100 milliseconds
  ICMP redirects are enabled
  ICMP unreachables are sent
  ND DAD is enabled, number of DAD attempts: 1
  ND reachable time is 30000 milliseconds
R1#
```

Terminal

```
0 packets input, 0 bytes, 0 no buffer
Received 0 broadcasts, 0 runts, 0 giants, 0 throttles
0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored, 0 abort
0 input packets with dribble condition detected
0 packets output, 0 bytes, 0 underruns
0 output errors, 0 collisions, 1 interface resets
0 babbles, 0 late collision, 0 deferred
0 lost carrier, 0 no carrier
0 output buffer failures, 0 output buffers swapped out
Vlan1 is administratively down, line protocol is down
Hardware is CPU Interface, address is 0002.1642.0e94 (bia 0002.1642.0e94)
MTU 1500 bytes, BW 100000 Kbit, DLY 1000000 usec,
    reliability 255/255, txload 1/255, rxload 1/255
Encapsulation ARPA, loopback not set
ARP type: ARPA, ARP Timeout 04:00:00
Last input 21:40:21, output never, output hang never
Last clearing of "show interface" counters never
Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)
5 minute input rate 0 bits/sec, 0 packets/sec
5 minute output rate 0 bits/sec, 0 packets/sec
 1682 packets input, 530955 bytes, 0 no buffer
  Received 0 broadcasts (0 IP multicast)
    0 runts, 0 giants, 0 throttles
    0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
 563859 packets output, 0 bytes, 0 underruns
    0 output errors, 23 interface resets
    0 output buffer failures, 0 output buffers swapped out

R1#
R1#
R1#
R1#
R1#
R1#
R1#
```