

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 759, y: 1204

HYBRID TOPOLOGY.

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PC-PT PC7

PC-PT PC8

PC-PT PC14

2960-24TT Switch7

2960-24TT Switch8

2960-24TT Switch11

2960-24TT Switch12

2960-24TT Switch13

PC-PT PC9

PC-PT PC10

PC-PT PC11

PC-PT PC12

PC-PT PC13

PC-PT PC17

PC16

Physical Config Desktop Programming Attributes

Command Prompt

Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 4ms, Average = 1ms

C:\>ipconfig /all

FastEthernet0 Connection: (default port)

Connection-specific DNS Suffix...
Physical Address..... 00E0.8FA3.6D84
Link-local IPv6 Address..... FE80::2E0:8FFF:FEA3:6D84
IP Address..... 172.23.20.9
Subnet Mask..... 255.255.0.0
Default Gateway..... 0.0.0.0
DNS Servers..... 0.0.0.0
DHCP Servers..... 0.0.0.0
DHCPv6 Client DUID..... 00-01-00-01-47-18-C9-4B-00-E0-8F-A3-6D-84

Bluetooth Connection:

Connection-specific DNS Suffix...
Physical Address..... 00E0.F74C.5DCE
Link-local IPv6 Address..... ::
IP Address..... 0.0.0.0
Subnet Mask..... 0.0.0.0
Default Gateway..... 0.0.0.0
DNS Servers..... 0.0.0.0

Time: 00:39:42.772

PLAY CONTROLS:

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Ed
	Successful	PC1	PC4	ICMP		0.000	N	0	(e
	Successful	PC15	PC16	ICMP		0.816	N	1	(e

Automatically Choose Connection Type

Cisco Packet Tracer

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Logical Physical x: 474, y: 28

S.BALAJI 192412691 TREE TOPOLOGY.

```
graph TD
    S2[2960-24TT Switch2] --- S1[2960-24TT Switch1]
    S1 --- S0[2960-24TT Switch0]
    S1 --- S3[2960-24TT Switch3]
    S3 --- S4[2960-24TT Switch4]
    S3 --- S5[2960-24TT Switch5]
    S0 --- PC5[PC-PT PC5]
    S1 --- PC0[PC-PT PC0]
    S1 --- PC2[PC-PT PC2]
    S3 --- PC3[PC-PT PC3]
    S4 --- PC6[PC-PT PC6]
    S5 --- PC4[PC-PT PC4]
```

PC6

Physical Config Desktop Programming Attributes

Command Prompt

```
C:\>config /all
Invalid Command.

C:\>ipconfig /all

FastEthernet0 Connection:(default port)

Connection-specific DNS Suffix...:
Physical Address...: 00E0.8F20.6059
Link-local IPv6 Address...: FE80::2E0:8FFF:FE20:6059
IP Address...: 172.23.20.5
Subnet Mask...: 255.255.0.0
Default Gateway...: 0.0.0.0
DNS Servers...: 0.0.0.0
DHCP Servers...: 0.0.0.0
DHCPv6 Client DUID...: 00-01-00-01-11-09-E5-73-00-80-8F-20-60-59

Bluetooth Connection:

Connection-specific DNS Suffix...:
Physical Address...: 00E0.8F7C.8A35
Link-local IPv6 Address...: ::
IP Address...: 0.0.0.0
Subnet Mask...: 0.0.0.0
Default Gateway...: 0.0.0.0
DNS Servers...: 0.0.0.0
```

Time: 00:31:30.283 PLAY CONTROLS:

Scenario 0

New Delete Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Ed
	Successful	PC1	PC4	ICMP		0.000	N	0	(e

Automatically Choose Connection Type

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 1855, y: 257

MESH TOPOLOGY.

PC-PT PC11

PC-PT PC13

2960-24TT Switch0

2960-24TT Switch1

2960-24TT Switch2

2960-24TT Switch4

PC-PT PC12

PC-PT PC14

PC13

Physical Config Desktop Programming Attributes

Command Prompt

```
Reply from 172.23.20.4: bytes=32 time=12ms TTL=128
Reply from 172.23.20.4: bytes=32 time=6ms TTL=128
Reply from 172.23.20.4: bytes=32 time=6ms TTL=128
Reply from 172.23.20.4: bytes=32 time=6ms TTL=128

Ping statistics for 172.23.20.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 6ms, Maximum = 12ms, Average = 7ms

C:\>ipconfig /all

FastEthernet0 Connection:(default port)

    Connection-specific DNS Suffix...:
    Physical Address. . . . .: 0001.970B.4AD9
    Link-local IPv6 Address . . . . .: FE80::201:97FF:FE0B:4AD9
    IP Address. . . . .: 172.23.20.3
    Subnet Mask . . . . .: 255.255.0.0
    Default Gateway . . . . .: 0.0.0.0
    DNS Servers . . . . .: 0.0.0.0
    DHCP Servers . . . . .: 0.0.0.0
    DHCPv6 Client DUID. . . . .: 00-01-00-01-C3-71-05-5B-00-01-97-0B-4A-D9

Bluetooth Connection:
```

At Device Type

PC11	STP
Switch2	STP
Switch2	STP
Switch4	STP
PC13	STP
PC14	STP
Switch2	STP
PC12	STP
Switch0	STP

Captured to: 5.191 s

Time: 01:48:16.328 PLAY CONTROLS:

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Ed
	Successful	PC11	PC14	ICMP		0.000	N	0	(e

Copper Cross-Over

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 531, y: 229

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STAR TOPOLOGY.

```
graph TD
    Hub0[Hub-PT Hub0] --- PC3[PC-PT PC3]
    Hub0 --- PC1[PC-PT PC1]
    Hub0 --- PC0[PC-PT PC0]
    Hub0 --- PC2[PC-PT PC2]
```

PC3

Physical Config Desktop Programming Attributes

Command Prompt

```
Reply from 172.23.20.3: bytes=32 time<1ms TTL=128
Reply from 172.23.20.3: bytes=32 time<1ms TTL=128
Reply from 172.23.20.3: bytes=32 time=3ms TTL=128
Reply from 172.23.20.3: bytes=32 time=1ms TTL=128

Ping statistics for 172.23.20.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 3ms, Average = 1ms

C:\>ipconfi /all
Invalid Command.

C:\>ipconfig /all

FastEthernet0 Connection: (default port)

    Connection-specific DNS Suffix...: 
    Physical Address. . . . . : 00D0.FF74.20D8
    Link-local IPv6 Address . . . . . : FE80::2D0:FFFF:FE74:20D8
    IP Address. . . . . : 172.23.20.3
    Subnet Mask . . . . . : 255.255.0.0
    Default Gateway . . . . . : 0.0.0.0
    DNS Servers . . . . . : 0.0.0.0
    DHCP Servers . . . . . : 0.0.0.0
    DHCPv6 Client DUID. . . . . : 00-01-00-01-89-AD-37-54-00-D0-FF-74-20-D8
```

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	Type
	22.286	Switch4	PC14	STP
	24.286	--	Switch0	STP
	24.287	Switch0	Switch1	STP
	24.287	Switch0	PC11	STP
	24.287	Switch0	Switch2	STP
Visible	24.288	Switch1	Switch4	STP
Visible	24.288	Switch1	PC13	STP
Visible	24.288	Switch2	Switch4	STP
Visible	24.288	Switch2	PC12	STP

Reset Simulation ☒ Constant Delay Captured to: 24.288 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPv2, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show All/None

Time: 01:45:58.201 PLAY CONTROLS:

Scenario 0

New Delete

Toggle PDU List Window

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Ed

Successful	PC11	PC14	ICMP		0.000	N	0	
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Automatically Choose Connection Type

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 1342, y: 288

RING TOPOLOGY.

PC-PT PC11

2960-24TT Switch0

2960-24TT Switch2

PC-PT PC12

2960-24TT Switch1

2960-24TT Switch4

PC-PT PC13

PC-PT PC14

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PC13

Physical Config Desktop Programming Attributes

Command Prompt

Approximate round trip times in milli-seconds:
Minimum = 6ms, Maximum = 12ms, Average = 7ms

C:\>ipconfig /all

FastEthernet0 Connection: (default port)

Connection-specific DNS Suffix...
Physical Address..... 0001.970B.4AD9
Link-local IPv6 Address..... FE80::201:97FF:FE0B:4AD9
IP Address..... 172.23.20.3
Subnet Mask..... 255.255.0.0
Default Gateway..... 0.0.0.0
DNS Servers..... 0.0.0.0
DHCP Servers..... 0.0.0.0
DHCPv6 Client DUID..... 00-01-00-01-C3-71-05-5B-00-01-97-0B-4A-D9

Bluetooth Connection:

Connection-specific DNS Suffix...
Physical Address..... 0060.2FA6.67B2
Link-local IPv6 Address..... ::
IP Address..... 0.0.0.0
Subnet Mask..... 0.0.0.0
Default Gateway..... 0.0.0.0
DNS Servers..... 0.0.0.0

At Device Type

PC11	STP
Switch4	STP
PC13	STP
PC14	STP
Switch0	STP
Switch2	STP
Switch4	STP
PC12	STP
Switch1	DTP

Captured to: 7.412 s

Time: 01:45:41.325 PLAY CONTROLS:

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Ed
	Successful	PC11	PC14	ICMP		0.000	N	0	(e

Automatically Choose Connection Type

Simulation

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 632, y: 588

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BUS TOPOLOGY.

PC-PT PC7
Hub-PT Hub2
PC-PT PC4

PC-PT PC8
Hub-PT Hub1
PC-PT PC5

PC-PT PC10
Hub-PT Hub3
PC-PT PC6

PC8

Physical Config Desktop Programming Attributes

Command Prompt

Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 3ms, Average = 2ms

C:\>ipconfig /all

FastEthernet0 Connection: (default port)

Connection-specific DNS Suffix...
Physical Address..... 00D0.9714.3C8C
Link-local IPv6 Address..... FE80::2D0:97FF:FE14:3C8C
IP Address..... 172.23.20.2
Subnet Mask..... 255.255.0.0
Default Gateway..... 0.0.0.0
DNS Servers..... 0.0.0.0
DHCP Servers..... 0.0.0.0
DHCPv6 Client DUID..... 00-01-00-01-25-B6-44-BA-00-D0-97-14-3C-8C

Bluetooth Connection:

Connection-specific DNS Suffix...
Physical Address..... 0030.F2AC.C8D4
Link-local IPv6 Address..... ::
IP Address..... 0.0.0.0
Subnet Mask..... 0.0.0.0
Default Gateway..... 0.0.0.0
DNS Servers..... 0.0.0.0

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	Type
	133.589	Hub3	PC10	ICMP
	133.590	PC8	Hub3	ICMP
	133.591	Hub3	Hub1	ICMP
	133.591	Hub3	PC10	ICMP
	133.592	Hub1	Hub2	ICMP
	133.592	Hub1	PC5	ICMP
	133.592	Hub1	PC8	ICMP
Visible	133.593	Hub2	PC4	ICMP
Visible	133.593	Hub2	PC7	ICMP

Reset Simulation ☒ Constant Delay Captured to: 800.700 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPv2, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show All/None

Time: 01:22:59.901 PLAY CONTROLS: [Stop] [Play] [Fast Forward]

Scenario 0

New Delete

Toggle PDU List Window

Copper Straight-Through