

Sumamry topo

- 1. Make arrangement of PC, Switched (Select leftmost switch/pc/hub u can see in the screen) and wire connection using red thunder
 - Switch can connect to max 4 lines
- 2. label the IP using notes
- 3. Configure IP:
 - Click on PC, desktop, IP configuration = (window opened to set things)
 - Set IP as labled (enter ip = subnet mask auto come, Static by deafult)
 - Only these range can be used. Exclude first and last adreess of the range (10.0.0.0,11,12 saab chalega)
 - 10.0.0.0 to 10.255.255.255 (10.0.0.0/8)
 - 172.16.0.0 to 172.31.255.255 (172.16.0.0/12)
 - 192.168.0.0 to 192.168.255.255 (192.168.0.0/16)
- 4. Ping one pc from another:
 - Click PC, desktop, Command propmt, write "ping 176.16.0.3" from 176.16.0.4
 PC
 - (if from packet lost, then try other pc to other pc)
- 5. Run in simulation mode
 - View,simulation mode = (simulation pannel opens up), edit filters, select IPv4
 ICMP packet only (deselect others)
 - Select pdu (closed message), select any pc (source), select other pc (destination), then run simulation from simulation panel (take time and enjoy the simlation)
 - Delete PDU from anywhere using (botthom right horizontal panel)
 - Delete PDU(mssg) from anywhere using (botthom right horizontal panel)
 - Reset simulation also useful in simulation vertical pannel
 - Move PC with connection = connection also long/short hoga
 - Max time undo = 1
 - Select delete option in top left then click on wire to delete a perticular wire

Summary RIP

- 1. Make arrangement of PC, Switched (Select leftmost switch/pc/router u can see in the screen) and wire connection using red thunder
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 - 2 network of PC+Router eg
 - 1 router network, all have different generic network adress)
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 - PC first configure then Router (easy to be oranised)
 - PC ip configure first (Pc,desktop,ip config)
 - Router ip configure (hover through arrow = get this) (Router select, config , interface, ethernet number)
- 4. RIP network adress confoguration in routers (Router, config, routing ,RIP)

Summary DHCP server

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- 2. Donot label the IP (hence not configure ip) using notes (coz DHCP server will auto assign)
- 3. DHCP server service configure
 - Click server, Destop, configure ip, give exact ip (not generic network address) eg 10.0.0.1
 - Click server, Services, DHCO, give generic ip in deafult gateway eg 10.0.0.0, save, service ON

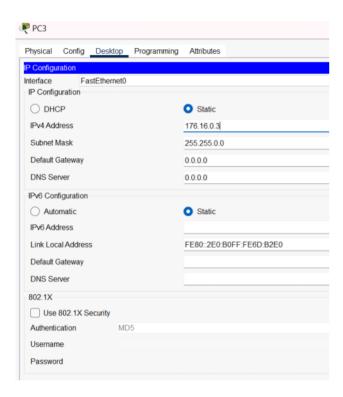
Summary DNS

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- 4. Set up DNS server
 - Click on server, services, DNS, add satya.com with adresss = exact ip of host which hosts the site (10.0.0.1) and not any one ip (10.0.0.102)
 - Go to PC , desktop , browser , satya.com , go
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Detailed========	

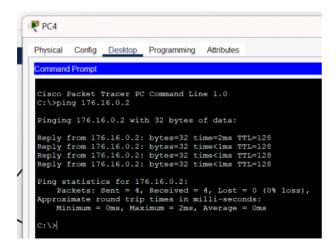
Topologies

- 1. make arrangement and wire connection using red thunder
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1. Ping one pc from another:

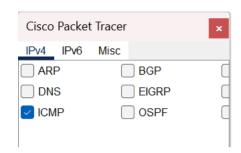
Click PC , desktop, Command propmt , write "ping 176.16.0.3" from 176.16.0.4 PC (if from packet lost , then try other pc to other pc)



Run real time (see successful or failure)

Run in simulation mode

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 Select pdu (closed message), select any pc (source), select other pc (destination), then run simulation from simulation panel (take time and enjoy the similation)





Delete PDU(mssg) from anywhere using (botthom right horizontal panel)



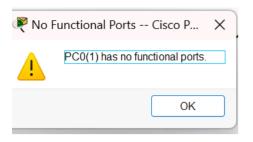
Reset simulation also useful in simulation vertical pannel

Move PC with connection = connection also long/short hoga

Max time undo = 1

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Doubt

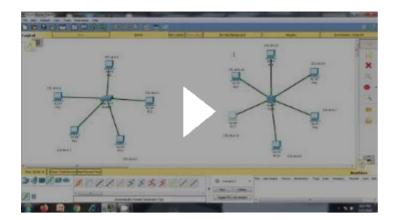


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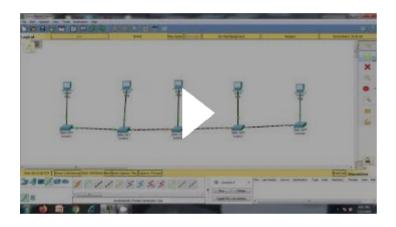
Resource

Cisco Packet Tracer: Star Topology



Can use switch / hub as center

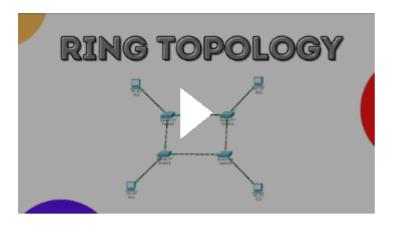
Cisco Packet Tracer: Bus Topology Creation



Cisco Packet Tracer: Mesh Topology

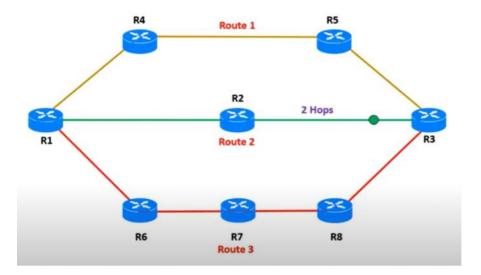


Ring Topology In Cisco Packet Tracer | Network Topology | #ringtopology #CiscoPacketTracer



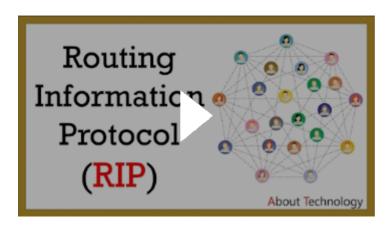
Routing table, minimum hops, (distance vect Module 5 Q) = already studied CAT 2

Never have to configure switch , but have to configure the router , so remember which port can connect

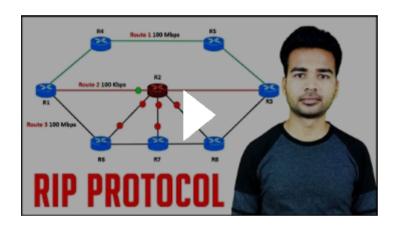


What is RIP (Routing Information Protocol)?



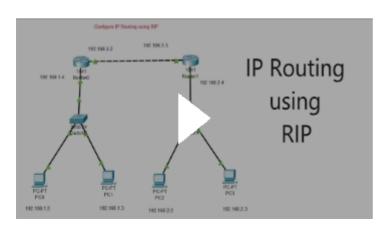


What is RIP Protocol and How it works | Routing Information Protocol Basic Tutorial | CCNA 2018



Parket

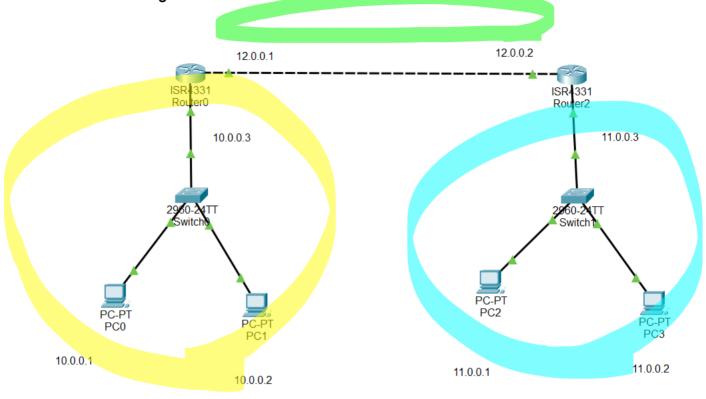
Configure IP routing using RIP in Hindi | RIP using 2 routers, 2 Switches, 4 PC



Theory

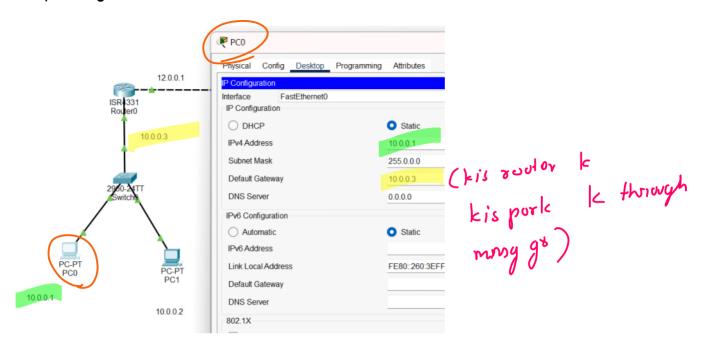
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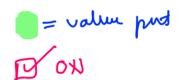


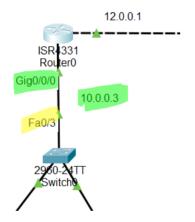
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 - PC first configure , then Router

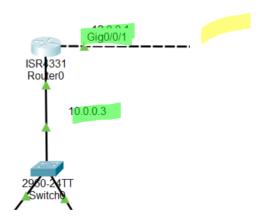
PC ip configure first

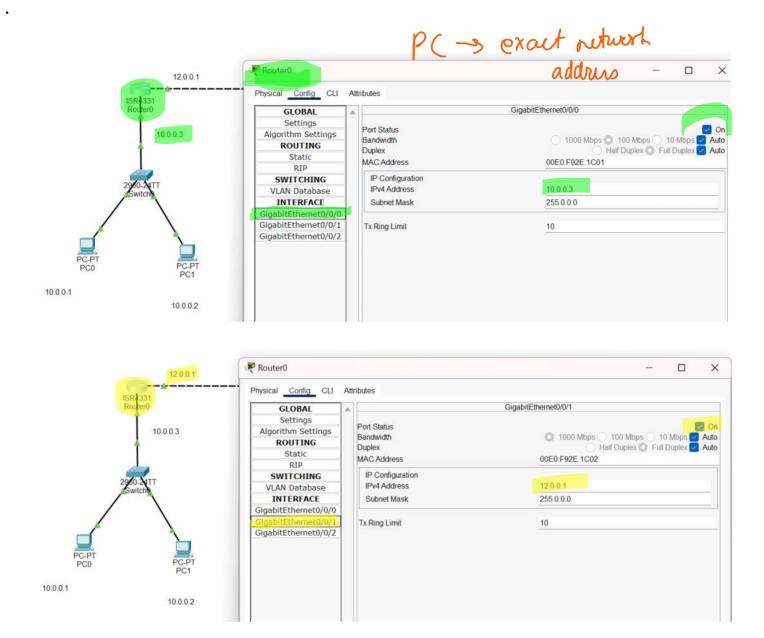


Router ip configure (hover through arrow = get this)









4. RIP network adress confoguration in routers



Summary RIP

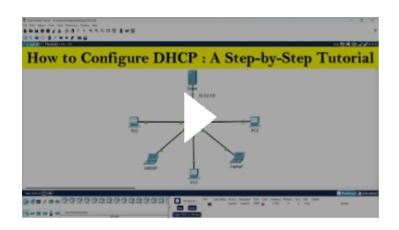
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DHCP Explained - Dynamic Host Configuration Protocol



Theory

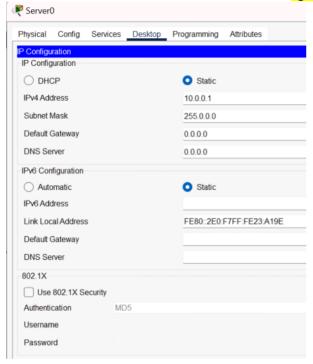
How to configure DHCP server | DHCP server configuration step by step

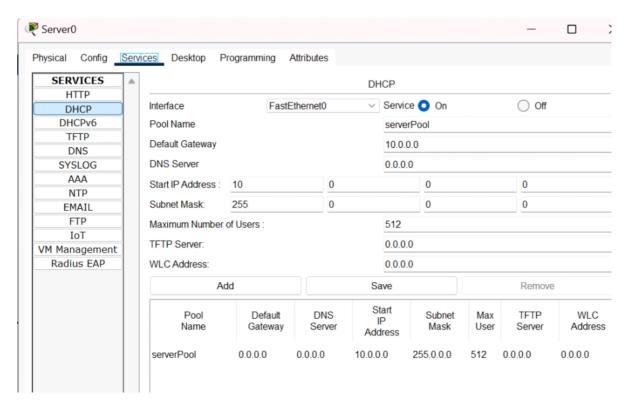


parket

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DNS (Domain Name System) server

How a DNS Server (Domain Name System) works.



theory

Phone = name to number (satya to 7735416363) DNS = name to number (google.com to 124.3.3.2)

dns server in cisco packet tracer||how to configure a dns server

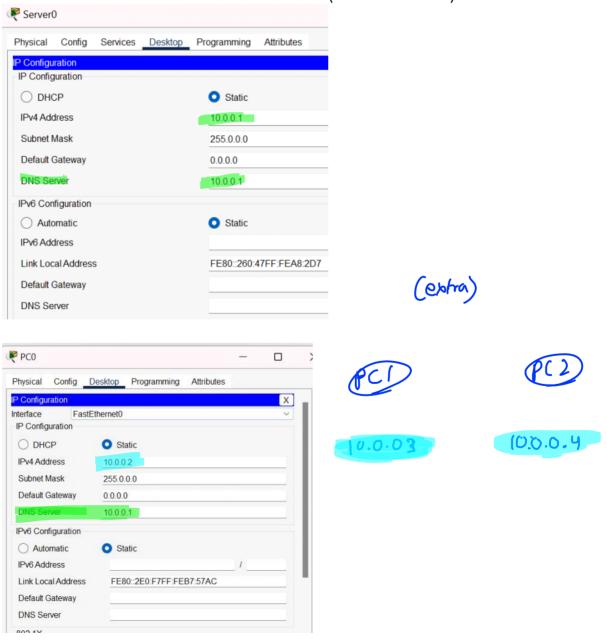


hk by mssg

nog. salya.com

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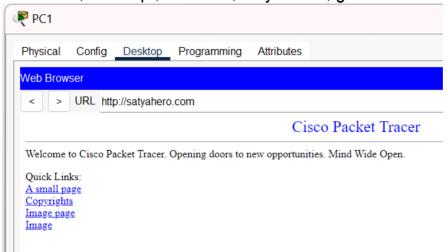
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1. Set up DNS server

• Click on server, services, DNS, add satya.com with adresss = exact ip of host which hosts the site (10.0.0.1) and not any one ip (10.0.0.102)

• Go to PC, desktop, browser, satya.com, go



Click on server, services, http, index.html, edit = custom web page

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