Aim: Simulate static Routing Configuration Using Cisco packet Tracer.

Static routes are the routes that you manually add to the other's routing table the process of adding a static: router to the routing table is known as static routing

If we specify the routes for the same distinction, The router automatically selects the best roult for the destination and adds the route to the routing table.

Creating, adding verifying static routes, Routers automatically learn their connected networks. We only need to add routes for the networks that are not avaible on the Fouter's unterfaces:

Three routers are chosen to perform this activity with each router having oin given local network interface separated by PP address.

Router 0 - 10, 20, 40 (0,0.0/8)

Router 1 - 20, 30, 50 (0.0.0/8)

fouter 2 40, 50 (0.0.0/8)

verifying static bouting By listening the routing table entries on router or dince a router uses the routing table to forward data packable. data packets. Deleteling a state route 2 20010 201 03 · Use the 'show ip route static' command · Note down the route to delete · Not about me route command to delete for the destination and adds the route to the fasting table. creating, adding PC.PT sidemodue stolus refuserter use only the velworles the reuser's wherfaces Three routers are chosen to perform that achiefs with each router having air given beed network Mer face separated by PP address. Penter 0 - 10, 20, 40 (0,0.0/8) Rouber 1 - 30, 30, 20 (0 0 0/8) Poulex 2. 40, 50 (8,00/8)

abon mahriperactical - u'Cb) muter des 25/09/25 Aim: simulate RIP using cisco packet Tracer. Assign IP address to PCs
Double elicle PCs and elicle desletop menu tens and chicle IP configuration. Assign DP Dp address referring the table. I also doing similar Serial inteface needs two additional parameters Clock rate and bandwidth . Every serial ouble has two ends DTE and DCE, these parameters are always configured at DCE end. Configure RIP routing protocol. · Enable Rip routing protocol from global configuration e Tell RIP routing protocal which networks you want mode. to adventuse RIP protocal automatically manage all routes for us. Of one route goes down, it auto switches to

commands
commands
interface fastethemet 0/0: to enter unterface node
interface fastethemet o/0: to enter unterface node
ip address __ : to assign ip adds to interface
o no shutdown: to bring onterface up.

- exit: return to global configuration mode

 Router (Config-if) # no-shubboun: brings viterface us

 Router & configure terminal: enter global configuration

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 mode.

 show controllers interface: privilege mode to check the

 cable's end

 router to enable the Rip

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 routing protocal.
 - · network: specifies which network we want to adverting .

 · tracent to see the magic of dynamic routing.

IOS Command Line Interface

Router#show controllers serial 0/0/0 Interface Serial0/0/0 Hardware is PowerQUICC MPC860 DCE V.35, clock rate 2000000 [Output omitted]

Router0

Physical Config CLI

IOS Command Line Interface

Router#configure termin 1

Result: Hence static Routing & RAP was simulated successfully.

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