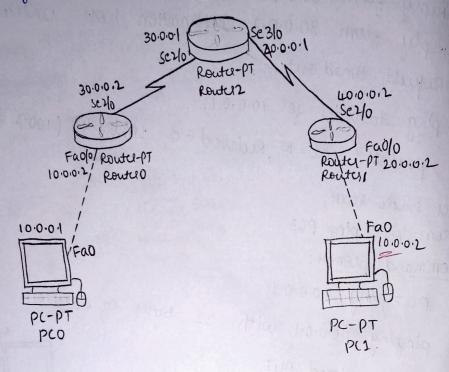
Lab-04 20/06/2012
Default Routing and Static Routing

Aim: To configure default route, static route to the router.

Topology:



procedure:

step 1: Drag and drop 2 pc's and 3 routers to the workspace and connect them as shown in the above figure to construct a topology.

steps. Set the ip addless of 1st pc0 as 10.0.0.1 and 2nd pc1 as 20.0.0.1. Also, set the gateway of two pcs as 10.0.0.2 and 20.0.0.2 respectively.

Step 3: place different n/w ip addlesses as 30.0.0.1 and 40.0.0.1 to the left and eight of Router2 and start configuring the souter interfaces.

for Router0,

Routel > enable pouler # conjug t Router (config) interface fastethernet 010 Router (config-ib)#ip address 10.0.0.2 255.0.0.0 Routel (config-ig)# no shut Router (config-ig)# Exit 10.0000 Routel (config) # interpare serial 0117 000000 Routel (config-if)# ip addless Router (config-ib) # no shut Router (config-if) # Exit west of water # latered Router (config) # Exit. Similarly, configure routers and Router 2 step 4: Do the static routing for routers and default routing for routers and routers asfor Routero, Routel > enable Routes (config) # ip soute 0.0.0.0 0.0.0.0 30.0.0.1 for Router 1, 20tte 0.0.0.0 0.0.0.0 40.0.0.1 Router # configt Router(config) # ip for Routes 2, Roule # conjig t noute 10.0.0.0 215.0.0.0 30.0.0.2 Routes (config) # ip 40.0.0.2 soule 20.0.0.0 255.0.0.0 Router (config) # ip Router (config) # Exit Roules # Now, you can check the routing information as follows-

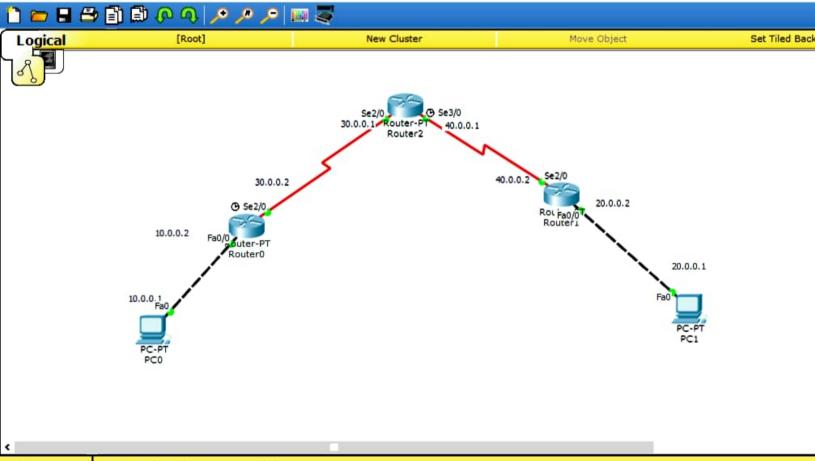
Routero Rollel # show ip soute c-connected s-static \*- candidate déjauilt gateway of last resolt is 30.0.0.1 to retwork 0.0.0.0 10.0.0.018 is directly connected, Fast Ethernet 0/0 30.0.0.018 is directly connected, Serial 2/0 0.0.0.0 [110] via 30.0.0.1 : / ji-pi/wi wils. # (display) total Router2, 2 17 (jinpipas) 1 shilly Routel # show ip soute मंत्र से (मेंहुमार) २००१ c-connected s-static 10.0.0.018 [110] via 30:0.0.2 [1/0] Na 40:0:0.2 20.0.0.018 is directly connected, Serial 2/0 30.0.0.0 8 is directly connected, social 3/0 C 40.0.0.0|8 ping operation; (Result) from pco ping pc1 (20.0.0.1) pc > ping 20.0.0.1 data: pinging 20.0.0.1 with 32 bytes of Reply from 20.0.0.1: bytes=32

Reply from 20.0.0.1: bytes=32

Reply from 20.0.0.1: bytes=32

Reply from 20.0.0.1: bytes=32

Reply, from 20.0.0.1: bytes=32 time=2ms TTL2125 TTLZ125 time = 4ms time = 17 ms TTL=125 TTL2125 time=25ms ping Statistics for 20.0.01; Lest =0 (01. lon), parkets i sent = 4, Reviewed = 4, Approximate sound trip times in milli-selonds: Minimum = 2ms, Maximum = 25ms, Avelage = 12 ms



Time: 00:00:04 Power Cycle Devices Fast Forward Time

