



Procedure: using Hub: 1) Add generic lub and seven PCs to weakspace 2) Contigure the 1P address of each PCO in Contiguaration tab Ensure that IP is different bor each device. 3) Connect all PC's to hub using copper straight wise.

4) Hub and PC is connected to each other's bast
ethernot connection. ethernet connection. 5) If no of posts is insufficient then add extra post by a clicking on device. Turn off device and add necessary ports o) write the 1P's of all devices in note below the device. Real time: select source PC and in desktop tab, select Command prompt option in command prompt type Ping 10.0.0.3. This pings PC2 and response generated in PCO. PDV and select source and Simulation time: select simple destination Computer. clicking on auto capture option allows us to see now posts are transferred to and from device. Uting switch: i) Add generic switch and then PCs to worspace ii) Contigure 1P addresses of each Pc's in the Configuration.
tab. Ensure that IP is different to each device. (ii) Connect all PCs to switch using a copper straight through wire. iv) If no. of ports are insufficient then add extra parts by dicking on device. Two obt device and add v) write /1p's of all devices in note bolow the device Roal time; Select source PC and in the desktop tab. Command prompt option. In Command prompt option, Ping destination PC by specifying its IP.

Simulation time: select simple POU and select source and destination Computer, clicking on auto capture option allows us to see how packets are transfer Hybrid mode: i) Add a switch, 3 hibs and 12 pc's to wood kepale. ii) Connect three lubs to switch and 4PC's to each of the hubs using copper cross over and copper Straight through wires respectively. iii) Contigues the IP of each of the PC in configure and add a note below each PC Containing 1P Real time mode: Select PC you want to Send racket from and open its command prompt, specify destination PC by specifying its IP address. A response is sent by destination PC to source PC. Simulation mode: Add a simple PDU by selecting the of PC and click on auto capture & from sight panel and and and Observation: Learning out comes: i) when source sends a packet in network the hub service source the packet and ends broad Cost over the network, i.e., it sends data to all the end devices in network and mode where it matches with the specified address accepts the packet and acknowledge et. Remaining nodes ignore the mensage. ii) Common. bln. hub and end devices is established through copper strangent through wire as they belong to different largers. ii) No. of posts an be added it needed by clicking on the device and adding the necessary posts.

Rehlt: PC> ping 10.0.0.3 of data Aliging 10.0.0.3 with 32 bytes time = 0 ms Reply from 10.0.0.3: byte = 32 time = oms Peply from 10.0.0.3: byte = 32 time = Oms Reply from 10.0.0.3: byte = 32 time = oms Reply from (0.0.0.3; byte = 32 Ping statistics 68 10.0.0.3 packet sent = 4, received = 4, lost = 0

-> Switches:

Learning out comes: i) when source device sends a message to the switch once a connection is established, which takes some time called learning time, the switch receives the packet. It initially broadcasts the packet to all Connected devices to locate the destination. Once the destination is located the message is sent only to that device.

ii) Connection between the switch and end device is established using copper straight though as they belong to different network layers.

on device and adding the necessary parts.

Report:

Result:

PC > ping 10.0.0.3 Pinging 10.0.0.3 with 32 bytes of deta time = 0 mis brom (0.0.0.3: bytes = 32 Reply time = Ons Reply from 10.0.0.3; bytes = 32 Reply from 10.0.0.3: bytes = 32 time = 0 ms time = oms Reply from 10.0.0.3: bytes=32 Pius statistics for 10.0.0.3 Packets: Sent = 4, Received = 4, lost = 0

-> Hybrid mode: Learning outcomes: 1) Switch and hub are connected through copper cross over as they belong to the Same network layer but PC and lubs are Connected through copper strought through as they belong to different to network layers. ii) message from source pc to destination 18 sent throng the hub which then sends to all its connected PC's and the switch. The switch then sends the message to all its connected PC. The destination PC acknowledges that it has neceived the message by sending a acknowledged back to the source PC. iii) The no. of ports can be added it needed by clicking on device and adding the necessary ports PC > Ping 10.0.0.6

Pinging 10.0.0.6 with 32bytes of date Reply from 10.0.0.6 bytes = 32 Ping statistics to 10.0.0.4
"Details of wombers of packets send and received".

10/22 AND 10.00.03 WITH 32 LOYED OF DATA 52/11/2