CON LAB-1

Introduction to CISCO Packet Tracer:

Packet Tracer is a medium fidelity, networking capable, simulation-based leaving environment for networking notions noving to design configure, and troublishoot computer networks. Helps is visualizations, simulations and animations of retworking phenomena.

* We can toggle between hogical & physical workspaces. And workspace is where the retwork will be created, watch simulations, view many kinds of info.

* We can also toggle between Realtine and Similation

Mode. * Various devices and connections can be choosen from device-type selection box and Device-specific selection box contains splitfic devices which you want to put in

Creating First Network:

Demonstration:

1) Pick 2 end devices from device-type selection bon 2) connect these two divices (Automotically choose con. type),

3) Config clevice I and modify the IP address to 10.0.0.1

and is the Fast Etherneto.

the network,

4) For device 2 set the 18 address to 10,002.

5) Add Simple POV to the device.

6) Switten to the simulation tab and elick on Auto capture/play, to view the simulation.

* Using command prompt:

Wh! >>> ping IP-address

to send megage to a particular device

Hwb	Switch	Router
Hub is a physical layer 1	Switch is a data	Router is a network layer device i.e. layer.
tlub works on the basis of broadcasting.	Switch works on the basis of MAC address	A router works on the basis of IP address
A thub is a multi- port repeater is which a signal introduced at the input of any port appears at the output of all available ports	A switch is a telecommunication device which receives a message prom any device corrected to it and then transmits the message only to the device for which the message is intended.	header of incoming packed and forward it to the port for which it is intended there by determines the route.
At least single retwork is required to connect	network is required to connect.	Router needs at least two networks to connect
Cheaper compared to switch and router	switch is an expensive	device than trub & switch
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and caption play, to mee the scordenies

Ankith S



