OMPUTER NETWORKS LAB

CISCO Pocket Troper

Pocket tracer is a medium bid clity natural copable, Simulation - based learning environment for beginners to dolign, configure and trouble shoot computer polyworks as a CCNA - level of complexity.

It is an integrated Simulation, Helical on Simplified model of not assertion with states of Simplified model of notworking terrical and frostorals. It was created to help address the Digital divide in returbing education.

It includes items such as Protocols (LAN, Switching, Items than security and Qas)

TOP/IP, HAN, Routing, Security and Qas)

(pagical Harbspace, Physical workspace, Redtime thate, Simulation made, (and Authoring and Sharing.

Pocket tracer is helpful for studence to understand (CNA topics, build madels and ask "whatif") questions. It can be used for syroup work, Case Studies, Problem Solving etc.

Packet Trater Demonstration.

The demonstration was done in Cogical workspace.
The interpose averyion was given, which included
Meny Bar, Main Tool Bar, Common Tools Borr, Realtime
Borr, Network component book, Device-Type Solortion Borr,

Device Sperific Selection Bose & User Crooted Pocket window · Creating a bosic Netwood. -> tran the device-type selection base, use Select a generic end device and dreag it to the north space, We belook onother general end durice and do the Same -> Upon left disking on I and desires, we select Config tot in ponel. Then we Select
[08] Electrot O oplian. We enter the IP address [0.0.0.1 and he Subnet mak is filled outprostically with 255.0.0.0. We close the parce -) We palow the some protedure for the second end device and give IP address 10.0.0.2 -> Now we delect the Connections icon from device type Selection box. He jain /connect the Dend devices by touching I device and drogging it to the other. (Datted line) (oppen (roll-over is selected. -> We switch to Signature made and click on Auto Capture Play option in Play Controls ponel In the Events list we can likew time taken to deliver propose from I device to onether We must odd simple PDU's to both the erd dovices. -> He left click on the 1st end device & Solert delption of then we click or command prompt We erden bing 10.0.0.2 (IP oddress of other end device).

We see that the probets were heat suressfully 0% Coss. Ping Statistics such as Mirimum, Mosimum & Assurage Road trip to a (No. of Bullet & TIL). Hubs Switches & Renderes 1. Hub: It is a convert or that converts wirel from sibours & files on linger of leading / regeredit It is a dovice that operated only on physical Conjered of the OSI model. Used in LAN. es) Hub-PT (Ton State provided) 2. Switch: Switch is a paint to baint communication device It operated at data link hours of OSI model. It well a switching table to find coronert dollination OSI - Open Systems Intorumention (Used for multiple duries of resulty networks). 3. Router: They are multi-part devices and are more esphiblicated. Douting table is used to defermine which stand be used between Source and deltiration for best trasmission It is essential in wide Area networks and Metropositor Area Networks. Network Course device