O LAN -

A local anea network (LAN) is a network contained within a small geogenaphical assea usually within the same building.

Same building.

(a) WAN
A wide-asrea network (WAN) is the technology that

connects your offices, datacenters etc. It spans beyond

a single building on lange campus to enclude multiple buildings.

3 ETHERNET
?t is a traditional technology for connecting devices

it is a unique address that identifies the device on the internet on a local network. It stands for "internet priotocol" which is the set of rules governing the tormat of data sent via the internet.

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3 HUB -

it is a physical layer networking device which is used to connect multiple devices in a network generally used in LAN. 6 SWITCH -

A network switch connects devices in a network to each other, enabling them to communicate, by exchanging data packets.

9 SERVER -A piece of computer handware on software

devices called 'clients'. @ END DEVICE-

that provides functionality for other programs

A Sounce / destination device in a networked system.

9 NODES-

Network nodes can be defined as the connection point among network devices such as mouters. pointens, switches that can send / precieve data to another.



CREATING A FIRST NETWORK

- O Select the end devices. Add a generic pc and a server
- 2 Select a coppen conoss over table from connections and connect the PC with server.
- 3 Cleck on pc, select config and charge the display name to client and DNS server to 192.168.0.105
- IP address to 10.0.0.1 (5) Apply the same foon the 'seenveor'.

@ Select tast ethernet under intentace and set the

- 6 Add Simple PDU tool to send a simple one time ping mg
- 5 Select and tonom desktop and type "Ping IPADDRESS" > Reply from 10.0.0.1: bytes = 32 time = 1ms TIL = 128

TOPOLOGY:

Serven - PT (Web serves PC-PT (client)

192.168.0.110

192.163 0.105

