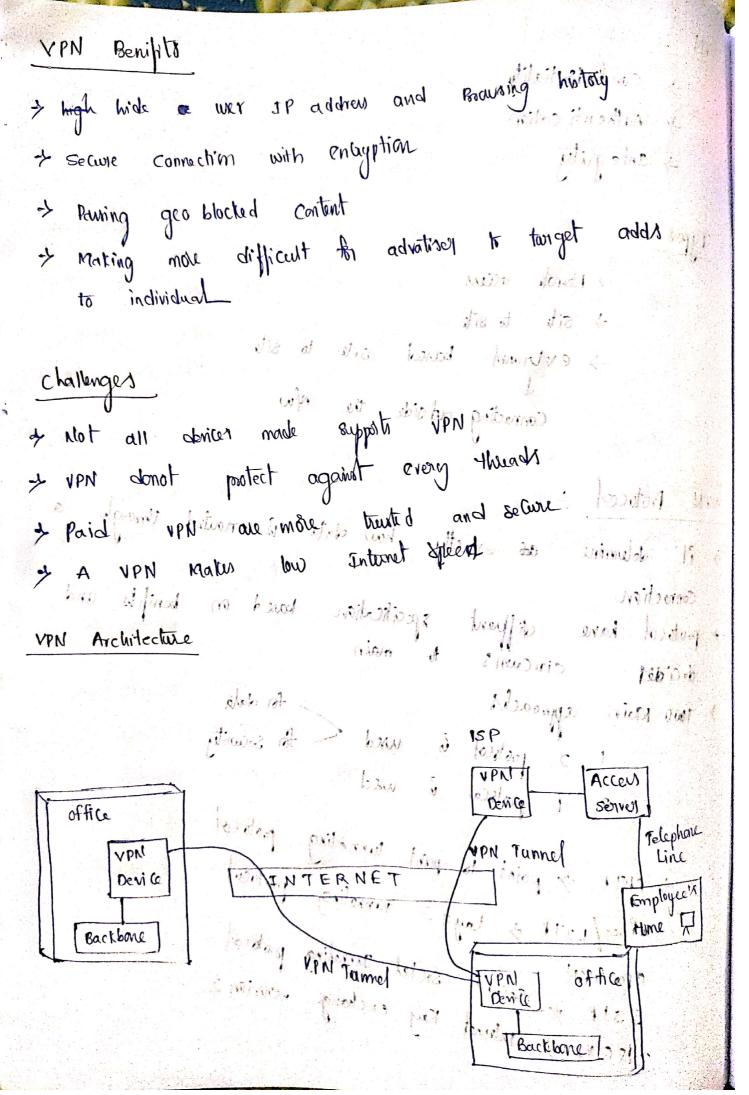
VPN: vintual Private Network > vpN externed private N/w across the public N/W and analote used to present and queciene data accross should (09) public N/w as if computer devices where directly connected to private with borno of lemelai i and in connection through way of dedicated cincuit (0.) pi Server: One of the server with the box YPN Server: was of thing in lateragement will a body of the substantial software with the software wit participant operation as well as Configuration and reporting middlemare component known on vintual detuck sonver

Service 1:

- → Directory service
- > security service
- + connection management sorvice
- & Bandwidth sorvice
- > virtual nouting solvice

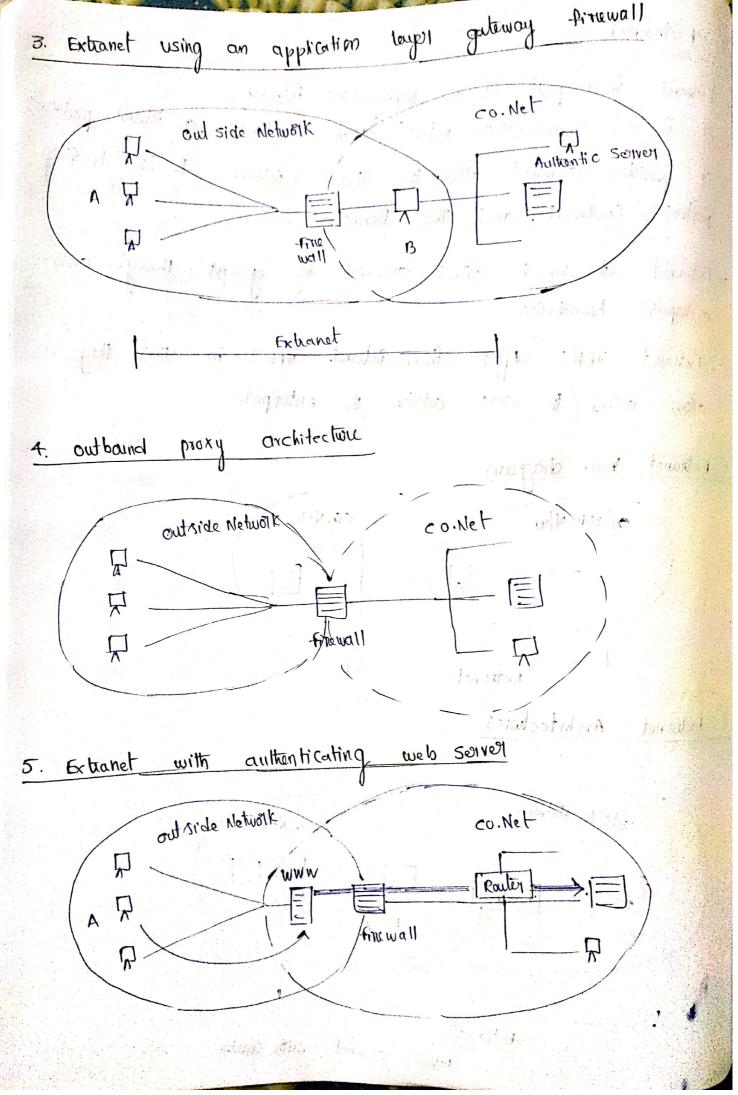
Now My VPN Security Model > Confidentiality -> Authentication with proper ina with man to the -> Integrity holms helpold up friend 6 Types of the typical of periods of the fib - com prison & > Remote access > site to site > extranet based site to site Connecting word side the New Love raint 110 tale + Nevert good thiops tolay tout my > it determine as exactly how detarded when we will be and whose how A to + protocol have different specification based on benifits and a coloration MYV de ci del cincums to main MOUN approachs of whed for data > Tour Main approachs e 1 protocal à used -> PPTP => point to point tunneling protocol Il sec/L2TP => Layor 2 runneling mistocal SSIP & secure socket Junneling protocol 1KEV2 of Internet Key exchange verision 2



Scanned with CamScanner

features of extranet

- . Data Security:
- + sharing confidential obta is of atmost primity and the extranet provider a self environment for data sharing be tween the aganizations
- a taster communication;
- the communication when there the communication blu thom.
- 5. Flexibility 6
- -> Extranet provides a flerible and scalable environment to work for everyone involved, which also incuases the productivity of the organization.
- + it may decreare the cost of paperwork and travel to some extent.
- It provides authorntication mechanisms like username and passworld Therefore, only authorized uson can accus the network.



Advantages

- to Security
- + Network shoring
- + communication

Disadiantages

- & complex sociality
- -> Hosting
- -> Br proprine

Make of subsection

Notice to which or through from

1. IP security (IPSec)

- of the IP security (IPSec) is an Internet Engineering Fork & le (IETF) standard
- and enoughtion of security New protect suits that authentication and communication of secure encypted communication blu two computers over internet
- pain of security gateway blw security gateway and host

Uses of IP security did and partition in

- + To encrypt application layor data with the
- the public internet.
- + To provide authoritication without encryption, like to authoriticate that the older originalist from a known sender.
- => 10 protect N/W data by setting up circuit using 1Psec tunneling in which all data is being sent b/m the two endpoint is encrypted, as with a VPN connection.

components of 1 p security

- 1. Encapsulating security payload (ESP)
- it provides data integrity, encryption, authoritication and anti replay, it also provides authoritication for payload

a. Authoritication Header (AH)

- replay and it does not encuption.
- transmission of packets.
- > it does not protect data's confidentiality.

하나 아이는 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그	Restoration .		2.1
IP HOR	AH	TCP	DATA

3. Internet Key Exchange (IKE)

- on applien toys and find a way over security association (SA)
- the security Association (SA) established should security attributed blue 2 network entities to support secure communication.

