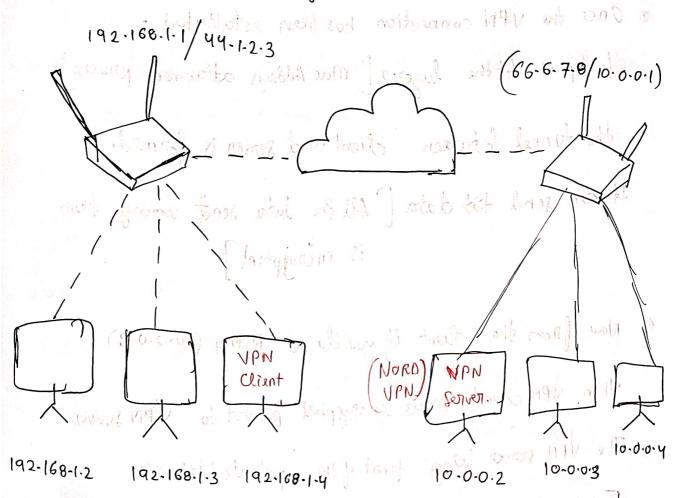
3. (VPN vs Broxy Explained Bros and Cons)



[VPN -7 Vintual Private Network]: It makes you part of a

private Network: Using VPN client, you can ping (10.0.0.3)

Which is a private i prove private in ping (10.0.0.3)

of N protocol istail. with united to for started horotory Nil

once the VPN connection has been established:

Letp-7. Afthe layers [mac Address affacment process]

the funnel between client and server is formed.

The ran send told data [All the data send among them

is encrypted]

Now from the client of you do a PING (10-0-0-3)

Then VPN clients sends encrypted packet to VPN sower,

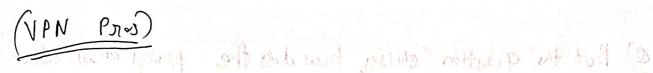
Now The VPN server being part of the sprivate Network:

Fetches the data and sends it back to client.

This Connection and mideray having VPN soven doing the consmunicalm will take time hence VPN makes avery slaw; of the consmunicalm

WPN 7 Vintual Private Hetwork]: It makes gov purtala

In most VPN, the VPN server (concentrator) allocates the IPs with an internal Pool and assigns it to the client via the VPN protocol itself. with various info like routes, DNS resolven. etc.



· En crypts traffic > So while making a tunnel with the VPN server data becomes en crypted.

tide 21 sint . I mos-elgoof Wighth : 1204



· Very Slew Estra hops mark world to many bro-goster

. Double Encryption -> TLS/HTTPS encryption already there between clientand the actual server,

· No Caching the VPN adds another layer of

en cryption and slows things dawn.

· VPN can access and log your data.

192-168-1-2

The client.

(How Brosy Works)

Goodie Speries

192-168-1-4 Intal

(mr) 4411 proxy know what But the question arrises how does the . Encosyls I millies to about modeling of entitled dycennia. VPM Sonon data browns en iny plad. HTTP V11, they added a header ralled HOST: http://google-com?. This is what is seen by the prosy and from here it knows where to redded. · Double Encryption -> TLS/HTPS encryption already them In HTTP, earlier this control was not there and hence, HTTP was not able to support proxy (HTP 1-0 -> No Brosy) · VPW com access and logy you doto. Bresy Bres) The Slent. (disolu posord woll) & (aching) Pare HTTP is not safe as no en cryption is there, So keeping doute in proxy cache might not be safe * Works at Layer 7 & Layer 4. (Layer7) -> HTTP Prosy -> checky content, like header and

(Lagora) 7 transpirent Brood, Firewall Brood, MABroay
(Double Balancer)
(Double Balancer)

Stuff and knows where to sudirect

. Used for many applications (Load Balancing, Sorvice mush, firewall proxy security -> Chock the port it wants to access and check if its a Restricted Port or not) grithodinacit bno migo Proxy (ons) 6. ILy and L7 Broom . Applications can by pass proby. HTTPS /HTTP Supported Prosy (lient By passes the proxy tosil > because it does not Eurport HTTPS regrest Not all traffic is routed. HTTP Boxy -> router only HTTP regusts Lett 1849 bosted on some legic the load galances overly in HTTPS Broog => only forwards MTTPs requests No enouption by defaults trail), must minute to the (mit gold) TUS termination) (DECTOR OF ELL) moli motion of 401 west a likease Prosy. So prosy is using its separate certifications and con creating a new connection. Check who is issuing the centificate & -> lock sign