Assignment - 2 based on sesson-2 & session 3 Ansid Read, write & enceute In:2 host communel

It is we to finel domain name associated with

the IP adebress. * It provides commends to enable or dissable an interpace. It is also use to view MTU.

No lookup · No You Kup This command queries the DNS in order to getch the IP address or domain name from DNS record The's command is used to trace the route that packet a information textes from our computer to one that is specified. Mrs. 3) http stands for hypextext transfer protocol. Communication between client computes & web servers is clone by sencing http Request and necioning http mesponses. On the other hand https is the secure version of http. I http is unsewed while http is sewred

http sends deeta over port 80 while https uses port 443 https sperates at the application layer, while No 3st certificates are required for 4th, with 14ps it is arequired that you have an sst cestificate and it is signed by CA. http doesn't nequire domein validation, whenase https requires at least domain validation and certain restigicates even require legal documentation No enorption in http, with https the data is encrypted begore sending. Ans. 4) firewall is a program that surrounds the integace between a private network & the nest ie bad network Conjugation: - D. Securing firewall > Updating firewall to the lastest vendor necommended firemware.

Delete, disable or renorme any defount user accomt and change all defeult password All the servers that provide web-based service should be organised into a dedicated zones that limits inborned trayic from the enternet - often called a DMZ. Alternatively servers that are not accessed directly pm the internet should be placed in internal server zones of the IP version is 4, internal IP addresses should be used for all your internal networks. Network address translation (NAT) must be configured to allow internal devices to communicate on the internet when necessary.

3) Configure access control lists

4) Configure other grewal services l

lagging.

Ans. I User configuration to protect the credential of network configuration for establishing network of package management to aclet what is needed to the nemance what is not necoled, firewalls to pinimise external footprints of securing SS.H. to hardon remote sessions, Daemons configuration to minimise the attacting surface of uperlate instablation to patch relevabilities.