

## File Transfer Protocol (FTP)

is used to share files with users in a

LAN on a WAN

47 TCP port 20,21

17 Support authoritication, authoritation , and directory browsing.

> Unencrypted - not recommended, use sftp.

## Trivial File Transfer Protocol

4) Used to push (put) or pulls (get) files from a server.

La Commonly use to manage devices like IP phones, routers and switches

5 Does int support authentication, authorization and directory browsing.

9 UDP port 69

Unencrypted - not recommended, use sftp

## Secure File Transfer Protocol ((SATP))

is a secure implementation OF FTP 1> Supports all the some

Functions as FTP but with encryption

5 SFTP is an extension of SSH which is why they they use the same port number

1> TCP port (22

a FTP application

## Mail Protocols

· SMTP (Simple Mail Transfer Protocol) Sends

4 outgoing mail to a somer 13 TCP/UDP POST 53

6) sends outgoing mail to a

4 Tep port 25

DHCP Dynamic Host Configuration Protocol

it supports Telnet

PUTTY install it

Ly provides name to

host

DNS Domain Name Service

4) Resolve Domain name to

1P address resolution for

Ly provides various configuration to clients in an IP notwork via broad east.

· POP3 (Post Office Protocol) 12 UPP port 67 is the server port 19 Downloads incoming mail from a , and 68 is the dient port Serves

1> TCP Port (10

IMAP /Internel- Message Access Protocol)

15 synchronizes incoming mail from a server

15 Tep port 143

Telnet:

provides remote command line access to interact with a server -> Considered insecure and should no longer be used, use SSH instead → Used TCP port 23

Secure Shell

4) Secure shell provides encrypted remote command line access to interact with a server

5 SSH version 2 added SFTP and SCP support

4) TCP port (22

Features in a Windows Network

HTTP Hyper Tent Transfer Protocol

4 TCP Port 80

or TLS

443 TCP port 443

La is used to transmit webpages

(HTTPS) Hyper Text-Transfer Protocol

Secure is - used to securely transmit

encrypted web pages using SSL

4) NetBlos over TEP/IP is still used

1) TEP/UDP port 137/139

NetBios

Network Basic Input/output System provides various network communication

13 Used in Windows before IP netrumking

in Windows