TFTP: stands for mivial file transfer protocol. TETP is used to tromsfer a file either from client to server on from serves to client without need of FTP feature. Software of IFTP is smaller than FTP. TETP works on 69 port no. 3 its sorvice is provided by upp. - The complexity of TFTP is less than FTP complexity - there are only 5 msg inTFTP, doesn't need authoratication for communication - TETP is mainly used for transmission of configurations to & From Mw devices TITTP unreliable transfer protocol faster as compared topTP - sequires less programming effort - requires less memony & words the simple control commands.

TELNET

6

- stands for Feletype. Notwork. it is type of protocol that Enables one computer to connect to local computer. used as standard top/5P protocol for Virtual terminal service

- computer which starts being connected starts connected shown as local computer computer which being connected known as local computer computer which being connected known as seemote computer being performed on semote computer

will be displayed by local comporter.

Page No.

commands at telnot are identified by profix character, interpret as command which is having code 255. basic fermator command is.

JAC command option code

Telnet i's not a secure communication
protocol because itoloesnot use any
security mechanism & transfers data
over network in a plain-text form
There is no cuthetication policiess
data encryption techniques used in Telnet
causing huge security threat that is
why telnet is no longer used for
accessing network devices & serves
over public network

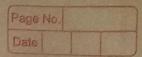
SSH: or secure SHell

niw devices & servers over the internet.

The coas developed by SGH communication security it is a program to log into another computer oxer niw, to execute command in remote machine & move fileo Remote one machine to another.

provides strong authentications seeme communication over insections channels

be easily changed. it is very secure protocol beeox it shares & sends the info in encrypted from which provides confidentiality s seccirity of dad a over on un-secured - once data for communication is employed using SSH, It is Extremely difficult to decript & read that data, - SSH protects a new from attack such as 2P spoofing, IP source routing & DNS spoofing + SSH also us es a public key for authentication for users accessing a series ; it is great practice providing us extreme security Diff beth SSHS Telmet - SSH is more secure compared to Telnet - SSH Encripts double cohile Telnet send solute in plain text TSSH USES public key for authoreation while Telnet doesn't use any authenticultion . SSH adds a bit more creshead to band width compared to Telnet Telnet has been all but explaced by 85H in almost all uses. - ssy telnet commanly screen the same purpose



SNMP: (simple Network Management

- snimp is a application layer protocol that uses UDP part no. 1611162. Snimp is used to monitor the niw., detect niw faults. 3

Sometimes even used to configure remote devices

There are 3 components of SNMP.

1) SNMP manager:

centralised system used to monitor now also Known as Notwork 'Management Startion (NMS)

- 2) shvipagent

 software management goftware module

 installed on managed device. Managed device

 can be network devices like PC, nowters,

 switches, servers etc.
- 3) Management Information Base

 MIB consists of info on resources that are
 to be managed This info is organised
 hierachically consists of objects instances
 which are essentially variables.
- Diff. variables are!

 1. Get Request SNMP manager sends this message to request data from SMMP agent. SNMP agent snmp agent expands with evequested value through response msg

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D. GetNext Request
This may can be sent to discover what data is available on snr Pagent.

B. GetBulk Request-

- GetBulk Request
- used to set viewe large data at once by

SNMP manages from SNMP agent.

4. set Request 5. Response.

7. Inform Request.

SMTP (simple mail Transfer 12 motocol)

MAZINA BOST

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