DNS on port 53

DNSSEC packets >512 Mes which is limit for UDP uses TCP instead (53)

Kerberos = TCP and UDP port 88

LDAP = UDP port 389

Session initiation protocol SIPestablish, disestablish, and manage VOTP

- . User discovery
- · availability
- · régoliate session params (audio/vil)
- . session management

SSL/TLS - encrypt tep connections

SSL/TLS - encrypt tel comments and HTTP

between app and transport

(ayers

Stratom I servers obtain time from accurate clock like atomic clock

Stratum 2 from stratum 2 Stratum 3 from stratum 2

cant go backwards

SFTP

SSN

TCP port 22

FTPS

TLS

TCP port 989 990

OF FTP = port 20 ; 21

TETP - trivial FTP

connectionless proto that uses

Explicit TLS FTPES - uses

AUTH TLS to opgrade

Unsecure connection ou post

21

protects outh creds

LOAPS = LDAP secure w/ TLS

fingerprinting - use port scanner tools to reveal presence of router and dynamic routing / manage protocols it is running

route injection - traffic misdirected to monitoring part (sniffer), for monitoring part (sniffer), sout to blackhole (non-exist adar), or continuously cooped

soutess can block traffic

SFTP uses SSh, not TLS, so therefore not a funnel

Transport mode = private net

11 - extrentication boader; does bash

Att - astrentication boader, and on whole packet + header plus shared secret key HMAC added as Integrity check value TCU

integrity not confidentiality

Encapsulation Security protocol ESP eucrypts payload CI + authentication

Merberos - source autuent authorprotes for directory sources searce comms for dir services

SSO based on time-sonsitive ticket granting system

southing protocols such as Border

rooting protocols soch as gateway protocol BGP and Open Shartest pute Girst OSPF transmit new and granted restes Detween outers/gateways fox fact comms 550 proides enterprise access to sob services SNMINI and NZC both user community varies sent over plaintext SNMPUB uses encyption & auth Management Information Base MIB
Letabase that SNMP agent of pss - feeds

Really simple syndication RSS - feeds

posh spolited asticles of vews

ifems to client/bourser

Voice/video spream comms:

- SPTP eucrypts actual data iu ralls

· SIP provides session management

· SIPS GREETE WY TLS

· QOS into about connection like outages, desped packets, ...

Unified communications

Voice, message, white boords, data suare, email, viduo

YOUR & video

Villo teleconfesencing UTC Voice + video "can't be only audio" Wer conferencing live meetings

SMTP - how mail is delivered from I system to another

Secure Internet Massay Access protocol 04 IMAP4

Lial-up access

Client confacts server to download messages tuen disconnects

supports perm connections and uniti-clients to same noilbox

Secure Post office protocol Pop3

Secure Post office proces.

mailbox protocol where mail stored on sever and downloaded to recipient semail at their Convenience

SMINE - digital cert containing poblic key signed by Cx

TLS 1.2 added TLS from 1.1 SSL 2.0 deprecated SSL 3.0 less secure than all TLS