GSG843 Midtern CheatSheet

TCP /IP IZO TC7 - Transfer Contol Patocol Application UDP - User Datagram Protocol RTT - Round Trip Time 85 818 Presentation Packet Suitch- Fud Packets circuit suithing - reserved resources Se Kion for a session Packet Sulting - x com sonling over the same route Processing pelay - Time reg to exampe the Transport Packets header & seternine whre to oir the packet. Tany time before packet is quered educating Delay - Time rea for apart to 5th in a queue before being process. no weally Transmission Delay - July could from wating for all packets in a given any to arrive before send ic called Trans Delay Propagator Deley- Time taken for aparel togo from the begging of the like to the outer PZP Us. Client some Packet Switching Us. Circuit Switching · I allert, allottes packets are shored and sent Reserves network Resources · I client I serveact as jewers whent across the same resources & for the durather of a conn acts as so the for diff the same with fackets med FDM or TOM transactions fea spec to be Duffered & queed which TINK + into ot a ring is 3636 ment they can be over helmed of franch and each - among com trom is + ho data cer be cost a tot time 510+5 TEP US UDP HTTP Persister Us non-persistent - Relable automated gous rea forrdel Dune, - Net Long obsin order they work X objecq LX record. xobi cce x com cital

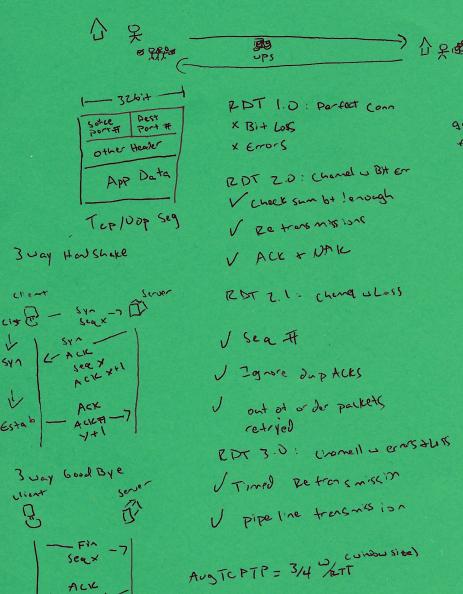
DNS-Donain Name Server is CUDP Gased Service
which maps user friendly named to 2P addresses

LDN-Londent Shibation Networks are Distrib
servers for content platforms which contoh diff
versions of files for Jill quality of olde bord

not perf
DASH- COP Bood PALOI for Dynamic quality strong

SATP-Emil sever to sover transmission POP3+IMAP are client emil screece ann Strans: Fransmission Delay = E Packet Length Transmission Rate d prop: Propagation Delay = 3 = Longth of Network Speed

average rate of bit arrival = L or bits/sec = # bits * Average rate of Parketarnial traffic intensity = Lac/R = ARBAT +rens selay for Libits of signal



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Estab

lient

(ACICH X+1

U seq Y

ALIC ACK#-7 4+1

90- Back-N- Comm Acks. I there for all retrained for over on Acked

Net - Host to Host

trasp - Aps to Appor Proc to Proc

Chilbren - 405

Dorants - Trans

UPS - Network

selection Ret - Indo times retrasmit as needed MSS - Maximum Segment Size

RDTZ-Z: NAK Free VACK on recieved packet sin order

J Cumm ACKS

Estimate RTT = C1-00) + (stimetal RTT + OC+ Sande RTT typical a = . 125 or 18

Timent Int - Est RTT + 4x Dev FTT Dervetice ZTT

Flow Control - control over data being sent the reciever as do not overflow the Rec buspers.

Fanoe - 1/2 on 3x Dap Acie Reno- lass on 3x Dup Ack