S messural RTT (106, 120, 190, 90, 115) Compute Estimated RTT of those values & the estimated ATT before = 100 mls Estiment RTT = (1-a) & Estimated RTT to . Simple RTT a=0.125 Then compute DevRTT after each simple is obtained B= 0.25 & the dev RTT was 5 mls before those Snumbers. DevRTT= (1-B) * PevRTT + B . | Sample Rtt + Estimated RTT Tren Conquite Top timed interval after each sample is obtained. Timeout Interval = Estimated RTT + 4 * DeuRTI The subjects are 24 high order bits 29 126.91.190.0/29 Top Sequence Number Acks TG2 Hosts (Server 30 hosts Client TOP Assign subject Addresses to A 38 so the armount of Addres space is minimal Ack# 670 bloomy the largest possible continguous address avilable for assignment if a new ven tide9 subject were added. I. How many Hosts in this Address space subject = 24 so 8 left over so 2x = 256-2:254 -2 one for first & Lest Address TOP 50 # 1670 2. What is the subject Address of subject A 30 hosts +2 1 for first & lest, Explanation we need support for 32 Addresses, 25 = 32 so 32 bit ip addres -5 = 27 so subject A Ack# (2134 Les: 1469 126.91, 140.0/27 3 What is the broad cast address of subject A? Broad cast Address in range 14P Seg=2130 126.91,140.31 le: 1960 4 What is the first host address in school A? 126, 91, 140, 10 is the subject so first CIDR IP Addressing a.b.c.d/x First host address is 126.91. 140.1 x= non bits in subset pursion 5. Lest host address in submet A? is one less then broadcut Address of Address. Exemple 200.23, 16.0/23 G. Subject Address of subject 1? Subject ands at 126.91.140.31 20 B Storts at Suburt is 23 bits long 324 * 126.91.140,132 So in cider Notation 126.91, 140.32/26 - hes 64 Address because 26:61 host part is 9 bits long 7. Brodeest Address for B Brocdest Address is Less Address in range so broaderst Address = Subject Address of b + broadcest address 126.91. 140.32463= 126.91.140.32,950 E. First Host Address of Subject BEX I more than subject Address of B so 126.91, 140, 33 \$ 9. Lest Host Adress of Sidnet B E I less than broadcest Address 126.91. 140.32.946 RUPH, DUPHUL DIXI AND DIVIBA, RELIGO Find shortest path y Y rember path it took to 44 of get the when picting path Diskstres Algo Db=min(Nb), D(a) + Cab) 15 (X 4cole Bellman Ford Start AX X=0 XYE X YZ doesn't know went hop Transport Lever services -1 till il gets there x 0 2 7 023 Pelichele dutetransfor-0 23 7 0000 00 1 20 1 in order 3 No errors 01 0000 231 Has control-so senter 109 - Connection continted UPP- None of Y table what Tup has to reliche, 3 was hordstake doesn't over whele slow XYZ Y 3 X 13 offer-but in fet Syn intiles connection server sw Act Acknowledge 00 00 00 Beimple undia Congestion Control - avoids 2 0 2 3 1201 stremingati redic affs, Das connection request Network congestion controls 6 201 2 280 Ack confirm connection 3 7 1 rate at which of data SNMP, ATTPS/3 2 table request entering network Window besed Flow & Y 2 and relichling XVIZ multiplexing-hadevetafro attack lye. XYZ 8 4 0 Congestion Control add constation multitle sakets 027 X 0 2 3 Flow control - wes a stilling window to mangetrass gited de (agestion control - adjustice) control at 9 20 00 Demutiplexing-use becoler info 201 201 Helian to deliver data to correct

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