CSA-0735

Assignment Usil

Computer Networks

Name: G. Prashanth

Rog no: 192524072

IF 5 Mbps 8 hream traffic is used? is sent, how much total

Total traffic on the sender's local link; 546ps.

Network-wide total traffic Depends on the tree structure, but the total traffic is much less than in unicart and close to 5Mbps plus a little overhead on each split path.

Effectively 5 Mbps - total from sender's point View

2. Compare with unicost to 10 destination: The send must create to individual unicast connection, lach carrying the same 5 Mbps stram.

Potal draffic sender:

DUS Mbps X'10 - 50 Mbps.

Total network frostic Also 50 Hbps, assuming all the justes are unique Compasision.

Multicast - 5Mbps

Unicost 50 Mbps

Saving with n

Saving with multicest up to 90% less traffic. 3. How many soutes are needed in publicast?

fullticast:

multicast uses a shared tree or source - based tree.
eg (PIM-SM)

Each multiplicant group & identified by a (8,4) or (4,4) paid.

S= Source IP U= Multicast group IP

The souter need north to:

The source (3) or RP

so The pullit mullicast group h

Only one multicert route is needed in the souting table per branch of the tree. So across the whole notwork roughly I multicert route per link used in the tree, Not per receiver. This is far favor than 10 vnicert soutes.