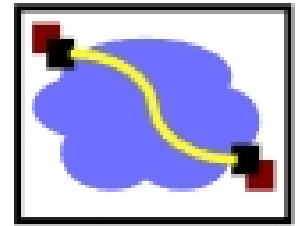




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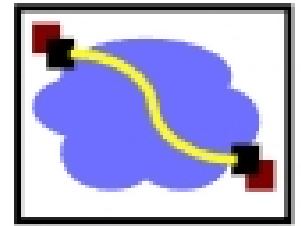
Lecture 22 – Queue Management and QoS

Congestion Control Review



- What is congestion control?
- What is the principle of TCP?

Traffic and Resource Management



- Resources statistically shared
 $\sum \text{Demand}_i(t) > \text{Resource}(t)$
- Overload causes congestion
 - packet delayed or dropped
 - application performance suffer
- Local vs. network wide
- Transient vs. persistent
- Challenge
 - high resource utilization
 - high application performance

