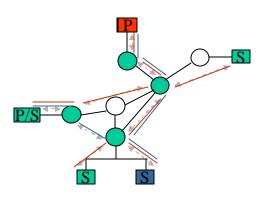
Publish-Subscribe Networks



http://www-net.cs.umass.edu

Pub-Sub networking:

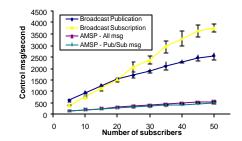
- ∠ data disseminated by match-of interest
- ∠publications/subscriptions change over time

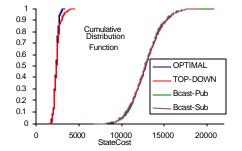


Applications: multi-player games, distributed simulations

Active Matchmaker Signaling Protocol

- each network link stores publication or subscription state.





Minimizing amount of state

- ★ top-down link-marking scheme -sub-optimal

Active Topology Discovery Protocol

- adapt/reflect changes in topology
- ≈ reliable, one -hop multiplexed signaling channel to upstream node