# Network Topologies for Evaluating Diffserv

DECIDES BOF
OSLO IETF

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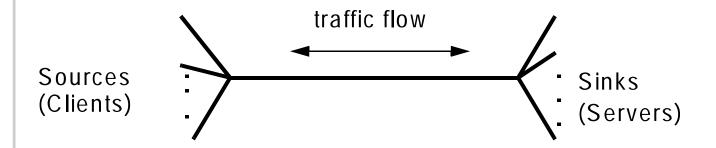


## Criteria (Multiple Choice)

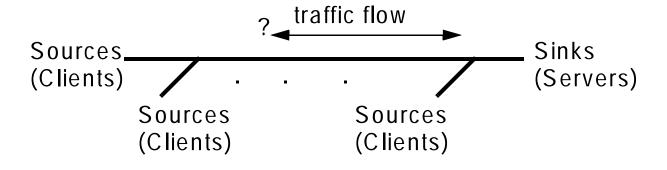
- Ease of drawing
- Ease of simulation
- Validation of analysis
- Exploration of the kinds of behavior expected to be observed in networks where diffserv is deployed



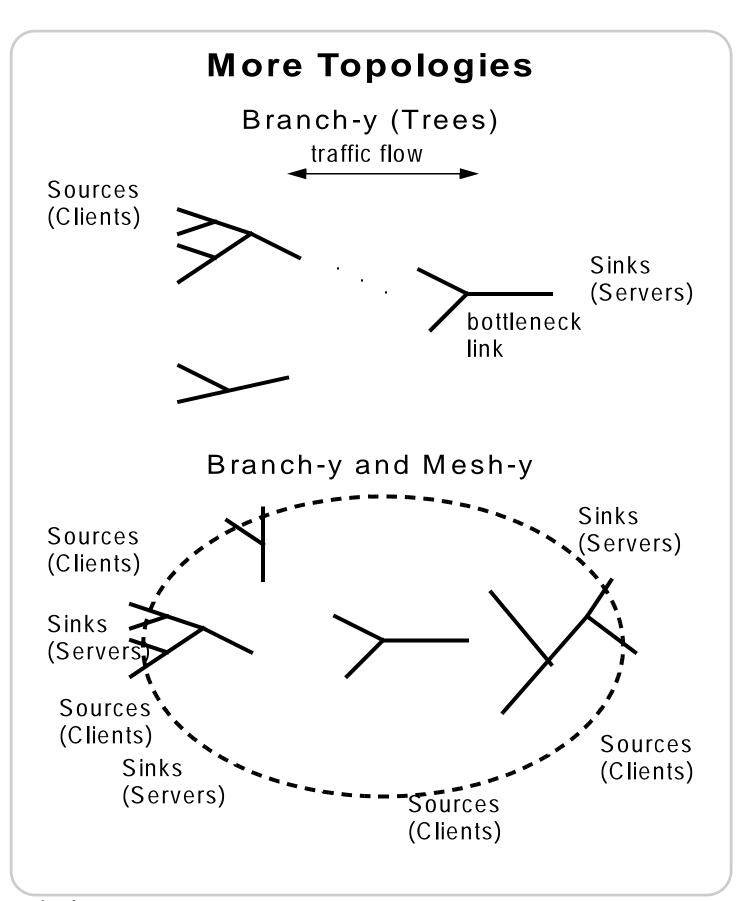
### What kind of network?



#### **Dumbbells and Dancehalls**



Freeway with On-ramps





#### What kind of traffic?

- Random packet generation
   Seriously...
- Trace-driven packet generation
   What about dropped packets?
- Packet traffic that affects and is affected by the network
- Model the protocol behavior realistically (e.g., SYNs, FINs, ACKs) and
- 2. Present data packets to the protocol model from application models that are our best understanding of the salient characteristics of real usage patterns

