NS Fundamentals (contd..)

Outline

- NS fundamentals – Part I (by Chen)
- NS fundamentals – Part II
- NS Internals

Ns Internals

- Tcl commands translates into series of object creation plumbing of these objects
- Step-by-step review of how each network component gets set up in ns

Network Topology: Node

set n0 [ns_node]
set n1 [ns_node]

Node Addressing

- Two basic address styles available: flat and hierarchical
- Default flat address: 32 bits each for node and port id
- Default hier address:
  - 3 levels of hierarchy
  - 10 11 11 or 19 11 11 if mcast specified
- Different bit allocation possible for specific hier addresses

Hierarchical Node
Network Topology: Link

Transport

Application: Traffic Generator

Routing

Routing (con't)

Plumbing: Packet Flow