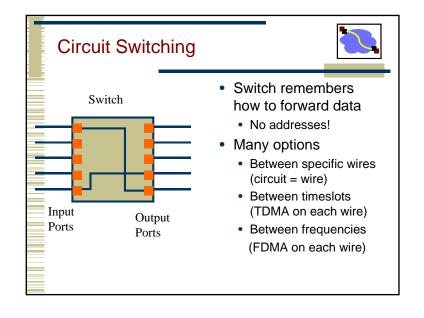
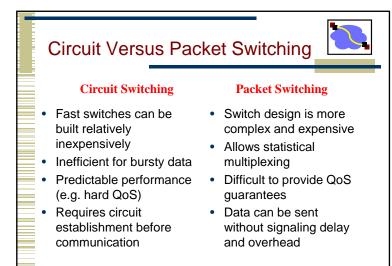


Circuit Switching Source first establishes a connection (circuit) to the destination. Each router or switch along the way may reserve some bandwidth for the data flow Source sends the data over the circuit. No destination address needed - routers know the path The connection is torn down. Example: traditional telephone network.





Can we get the benefits of both?





- Each wire carries many "virtual" circuits.
- Forwarding based on virtual circuit (VC) identifier
 - IP header: src, dst, etc.
 - Virtual circuit header: just "VC"
 - · A path through the network is set up when the VC is established
 - Can eue statistical multiplexing for efficiency
- Can support wide range of quality of service.
 - · No guarantees: best effort service
 - Weak guarantees: delay < 300 msec, ...
 - Strong guarantees: e.g. equivalent of physical circuit

