

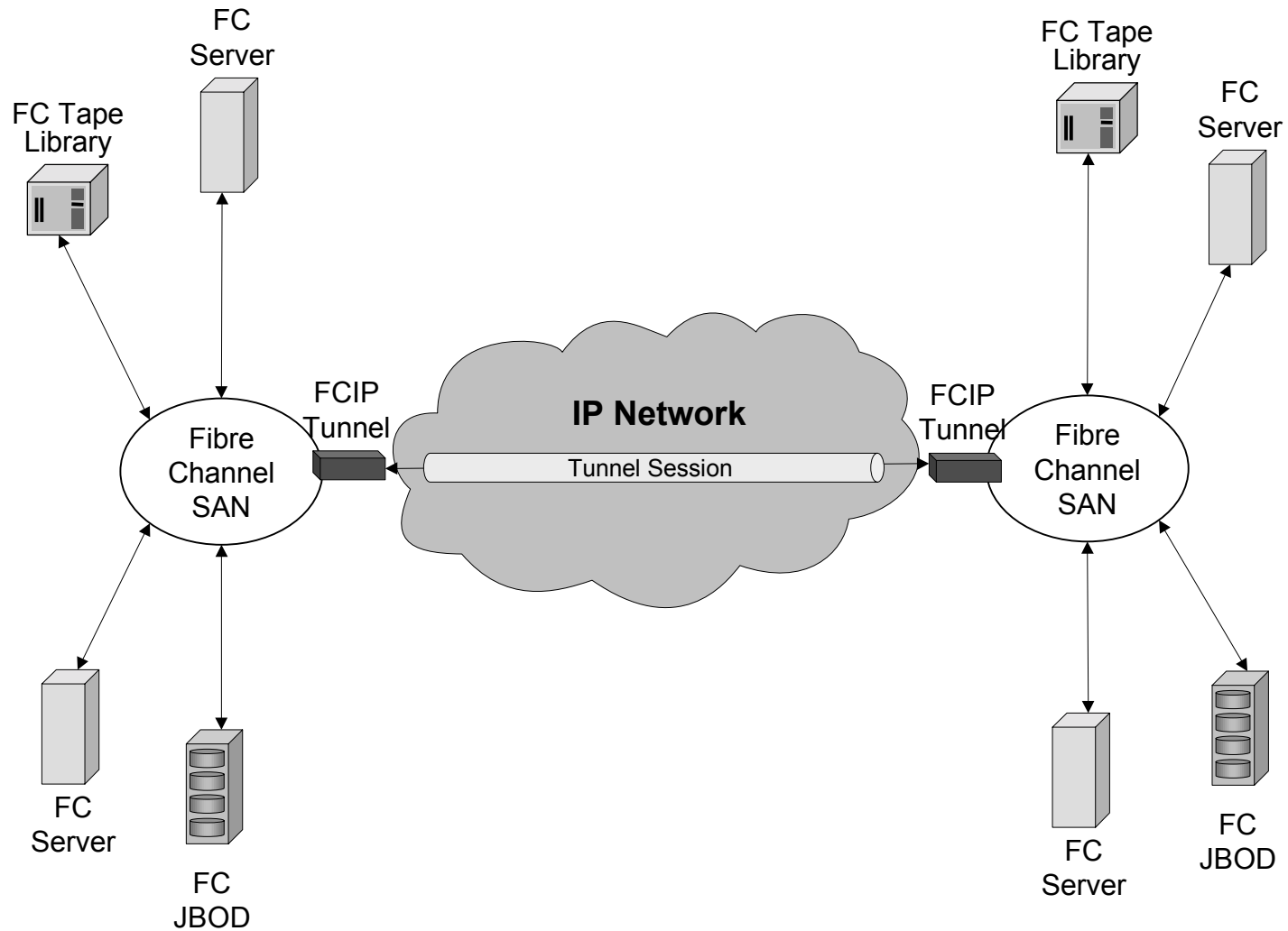
iFCP - A Protocol for Internet Fibre Channel Storage Networking  
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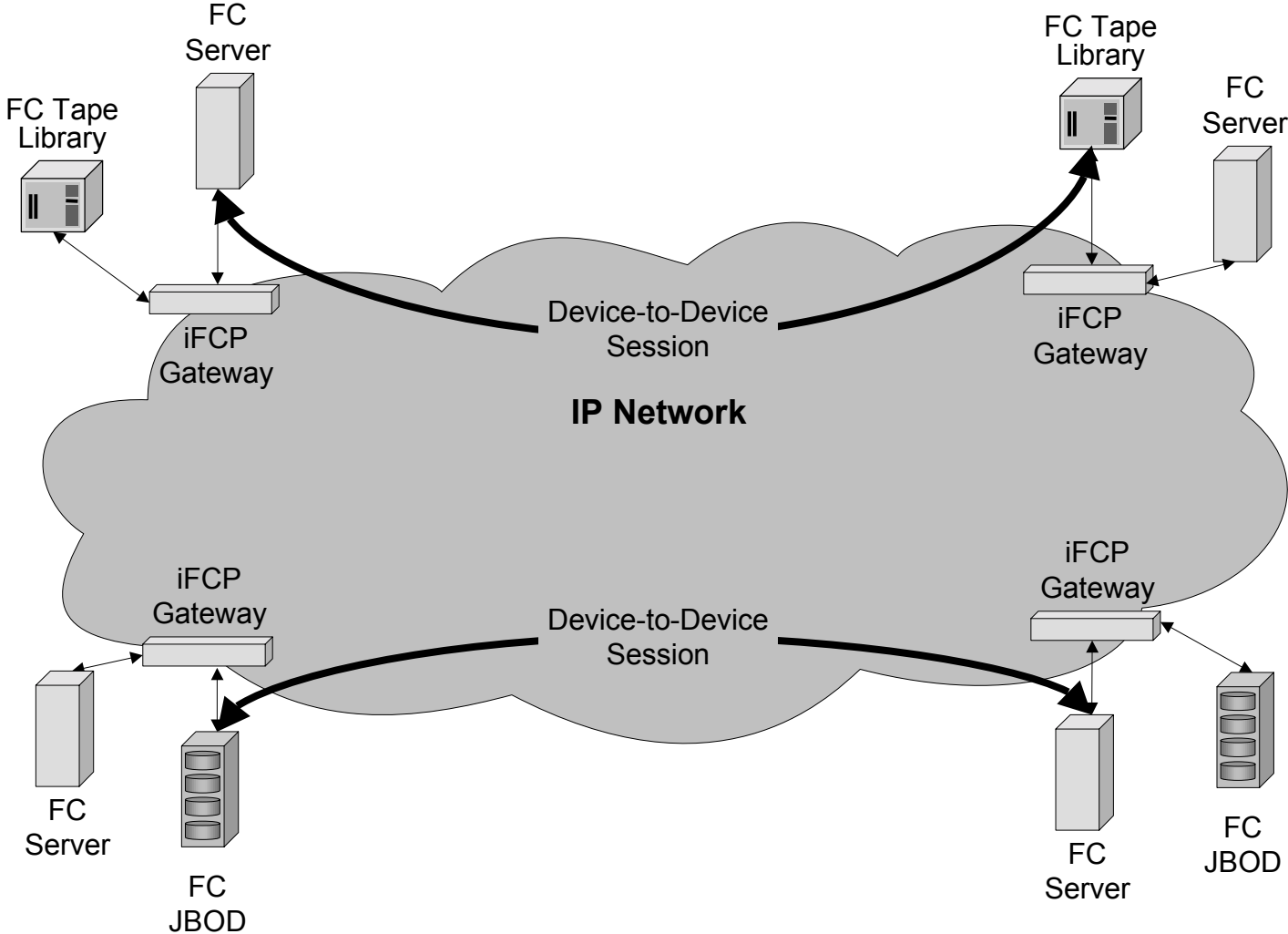
# iFCP and FCIP Comparison

- iFCP
  - An IP gateway protocol for interconnecting Fibre Channel storage devices
- FCIP
  - An IP tunneling protocol for connecting islands of FC SANs

# FCIP Tunneling Model



# iFCP Network Model



# iFCP Goals

- Consolidate FC storage switching and routing functions within the IP fabric to:
  - Reduce total cost of ownership
  - Unify network and storage management domains
  - Exploit IP technology investment and innovation
    - Leverage MPLS, CoS/QoS, ToS, DiffServ,...
    - Manage traffic flows between individual FC devices

*And...*

- Extend SAN reach to LAN/MAN/WAN distances

# Status

- Next Step
  - Prepare rev 01
    - Major goals for this revision
      - Complete the N\_PORT session model
      - Encapsulation changes for additional end-to-end error detection
- Action Request
  - Adopt iFCP as an official IPS work item