



FCoE: Consideration on FLOGI in FIPs

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Background

- This presentation is about:
 - FLOGI
 - FDISC with S_ID = 0.0.0
 - LOGO with D_ID = F Port controller
 - Related accepts
- Where do we put them?
 - In FIP
 - In FCoE
- Current proposal
 - In FIP

IN FIP

- Advantages:
 - Easy to intercept
 - Clearly identify which frames need to go to the switch supervisors
 - Information can be added to the FLOGI frames
 - No need to keep extra state on the FCF for FPMA
 - More easy to harden for security
- Disadvantages
 - Ugly
 - Not all the FC frames go in FCoE
 - Management and tools need to look at two frame format to collect statistics about FC

In FCoE

- Advantages

- Elegant

- All FC frames are tagged consistently
 - FC frame in FCoE
 - Not FC frames in FIP

- Disadvantages

- Need to keep extra state on the FCF for FPMA
 - More difficult to intercept the Accept
 - Especially true for legacy Ethernet switches



Thank You

