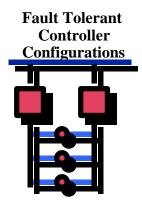


Proposed Controller Failover Profile

Steve Sicola Digital Equipment Corporation

SJS 5-September 11-1995

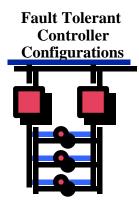
X3T10 High Availability Study Group



Proposed Controller Failover Profile

Overview

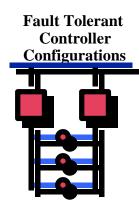
- Purpose
- Assumptions about Fault Tolerant Controller Configurations & Failover
- Functional Description of FT Controller
 Configuration Usage
- Additional SCSI-3 Requirements & Issues
- Other High Availability Issues Hagerman



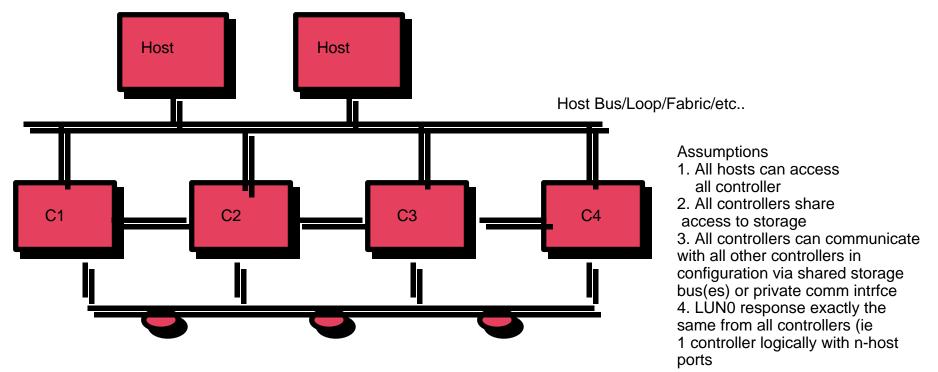
Purpose for Profile

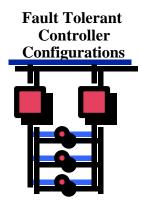
Generalize the concept of fault tolerant controller configurations

- 1 controller logically with many ports
- Generalize usage of SCC to aid OS driver development across all industry platforms for various fault tolerant configuration types
 - standardize setup and/or registration of controllers in FT configuration (with naming independent of serial #'s)
 - standardize reporting of failing controller/returning controller events
 - one port to n-port controller boards
 - any number of controller boards in configuration



SCC & Fault Tolerant Controller Assumptions





Functional Description of FT Controller Usage

SCC used to either create attachments between controllers sharing storage or report attachments

;s