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Subject: Proposal for Persistent Reservation

This proposal extends the definition of reservations to allow proper behavior in multi-initiator and multi-port environments. The proposal defines persistent reservations which remain valid across Target Reset and can only be cleared by power down or by a properly qualified persistent reservation from another initiator. Using the commands defined by this proposal, a host can protect the logical unit from improper behavior caused by another initiator on the same or other ports. At the same time, the host can determine from a logical unit which initiators share the logical unit, which initiator is presently reserving the logical unit, and can choose to displace the reservation of an initiator which is known to have failed.

Revision 3 of this document adds the capability of optionally maintaining persistent reservations across power failures. It also adds a clear action to simplify recovery that involves configuration modifications.

Sincerely,

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