

T10/08-051r0: Minutes

Group Reservations Phone Conference

for Jan 07, 2008, 9:00 AM - 10:10 AM MST

1. Introductions

Group

Kevin Butt called the meeting to order at 9:05 AM MST. IBM is hosting the Call. Kevin Butt is serving as the secretary of this meeting.

2. Attendance and Membership

Kevin Butt

Kevin Butt reviewed the T10 attendance rules with the group and directed prospective new members to John Lohmeyer. The attendance report appears below:

SMC-3 Working Group Attendance Report - November 2007

Name	Organization
Mr. Rob Elliott	Hewlett Packard Co.
Mr. Christopher Williams	Hewlett Packard Co.
Mr. Ralph Weber	ENDL
Mr. Kevin Butt	IBM Corp.
Mr. Keith Bello	IBM Corp.
Mr. Raymond Gilson	Symantec Corporation
Mr. Roger Cummings	Symantec Corporation
Mr. Halvard Eriksen	Tandberg Storage
Mr. Anders	Tandberg Storage
Mr. Frederick Knight	Network Appliance
Mr. Gerry Houlder	Seagate Technology
Mr. David Black	EMC
Mr. George Penokie	

13 People Present

3. Business

The group discussed what problems we are trying to solve with Group Reservations.

We looked at a couple of pages of Roger's proposal 08-048r0. We also looked at a few pages (13 - 20) of Kevin's presentation 08-024r1.

The concensus is that there needs to be an exclusive reservation that allows multiple initiators to share a reservation but that cannot be joined simply by registering. There needs to be some mechanism to limit who participates.

The group also agreed that PREEMPT needs to continue to work as it does today as well as register.

One suggestion is a white list approach as suggested in Kevin's proposal.

another is to have a shared secret through obfuscation such as a key. It was agreed that the key must be something different than the reservation key that already exists.

There was discussion about the registrants type of reservation and if the group reservation needed

both an analogous All Registrants (i.e., all initiators that share in reservation are a reservation_holder) and a Registrants Only (i.e., only the creator is a reservation holder). After much discussion it was agreed that only an All Group Members Only type was needed (i.e., All participants are reservation_holders).

It was agreed that both Write Exclusive and Exclusive Access types are needed.

Discussion ensued about how to specify which I_T nexuses would participate in the reservation. After some discussion about each initiator needed to be able to do the same actions (i.e., should not be required to know if it is first or subsequent) the group agreed that an initiator should be able to create or join a reservation by sending a RESERVE service action with a group ID. If it is the first (i.e., no reservation exists) then a group reservation is created and the group ID is associated with that reservation. Subsequent reserves will compare against the group ID and if it matches a successful join occurs. If it does not match then a reservation conflict occurs.

Mention was also made that Report Capabilities needs to report support for group reservation and for which methods of specifying participants is supported (e.g., White list, group ID)

It was then discussed that Group was probably not the best name to use. After throwing around words like Cartel, Gang, etc. The group agreed that Team was a good name to use.

In summary:

- a) A Team Reservation is shared by an exclusive set of initiators;
- b) The set of initiators that share in the Team Reservation is specified by:
 - A) a white list sent in the first Reserve command containing a list of Transport ID's; or
 - B) a reserve command is received specifying the Team ID;
- c) There will be two types to accomplish this:
 - A) Team All Members - Write Exclusive; and
 - B) Team All Members - Exclusive Access;and
- d) There will be at least two new capabilities added to Report Capabilities:
 - A) Team Identifier; and
 - B) Team SPEC_I_PT (i.e., white list);

4. Adjournment

Group

The call ended at 10:10 AM MST.