

STORM (STORAge Maintenance) BOF

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Note Well (1 of 2)

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Note Well (2 of 2)

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Purpose of BOF

- Question #1: Should a STORM (STORAge Maintenance) Working Group be formed?
 - Good Discussion: Whether specific technical work should be done.
 - Think Twice Before Discussing: How to do specific technical work
 - OK for scope and/or work items of proposed WG
 - Detailed design discussions are not OK
- BOF Goal: Answer Question #1
 - Working group is not required to meet during IETF meeting weeks (e.g., if travel is a concern)

Agenda (for Bashing)

- (see agenda file)

Draft Charter (for more bashing)

- (see charter file)

iSCSI Consolidation and Draft Standard RFC

- Is the following work worth doing? :
 - iSCSI RFC consolidation into one document
 - Interop survey for Draft Standard RFC Status
- Considerations:
 - iSCSI seems to interoperate well
 - Implementers seem to know what not to implement
 - These tasks are a *lot* of work
 - Haven't seen any enthusiasm for doing them
- If this work is not done, may have some minor updates/clarifications
 - CmdSN window size reduction
 - Initiator behavior wrt inaccessible target portals

iSCSI and SAM-4

- (See separate slides)

FC related work

- Obsolete iFCP address translation mode
 - SHOULD NOT be implemented as specified in RFC 4172 (FC IDs in ELS payloads)
 - Has not been implemented
 - Known iFCP implementations do not support address translation
 - Is not used
 - iFCP inter-switch links: Address transparent mode
- Possible return of IP Protocol Number for FC(IP)
 - Investigate and determine whether to do this

MPA Startup Change for MPI

- MPA: TCP-style handshake “open”
 - Passive side has to enter RDMA mode first
- MPI Applications: Parallel startup
 - No control over who goes first
- Work item: Fix this mismatch
 - Has been designed
 - Has been or will be prototyped

iSER Implementation Updates

- Add ability to negotiate AHS size limit
 - Needed for sizing of pre-posted buffers
- iSER Hello and Reply messages not implemented in practice
- Data transfer implementation concerns:
 - Solicited vs. unsolicited WRITE data (what does WSTAG cover?)
 - Non-zero virtual start address for data transfer
- Padding (to 4-byte boundary) behavior?
- Discovery: iSER/RDMA vs. iSCSI/TCP
- Additional minor text clarifications

Any other work items of interest?

- ???

Draft Charter (for even more bashing)

- (see separate charter file)

Back to Question #1

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Question #1.5: Mailing List

- If STORM effort goes forward, which mailing list(s) should be used:
 - Existing IPS and RDDDP mailing lists?
 - New STORM mailing list?
 - Should cease cc:'ing imss mailing list
- Majority of work likely to be handled on mailing lists
- If existing mailing lists used, may be ok to use ips and rddp acronyms in draft names