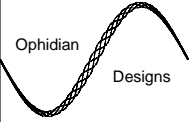


This Month's Contenders

- Including rumors, there are at least five “SCSI over IP” contenders:
 - iSCSI (IBM/Cisco/...), what this report is about.
 - SEP (SCSI Encapsulation Protocol) (Adaptec demo at recent N+I).
 - Nishan Systems press releases.
 - Fibre Channel tunneled through IP or Ethernet, combined with FCP.
 - Rumors of VI over IP, combined with SVP.

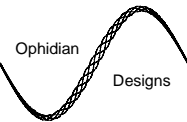
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iSCSI background

- Originally called SCOT (SCSI over TCP).
- Renamed iSCSI (Internet SCSI) in March.
- This effort originated the birds-of-a-feather session during March in Adelaide, Australia.
- Current draft list of authors:
 - J. Satran, D. Smith, K. Meth, IBM; C. Sapuntzakis, Cisco; Randy Haagens, HP; Efri Zeidner, SANGate; Paul Von Stamwitz, Adaptec; Luciano Dalle Ore, Quantum

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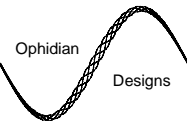


Some iSCSI features

- A session (I_T nexus) may include many TCP connections.
 - Both striping (performance) and failover.
 - IETF politics mandate use of TCP.
- Target devices identified by URL strings.
 - `scsi://storage.ibm.com/tape/tape42`
- Focus to date has been for tape libraries and/or large RAID controllers.
 - There have been interesting philosophical discussions about practicality for other devices.

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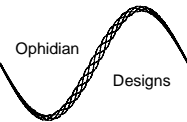


iSCSI development

- Has been proceeding through weekly teleconferences and a recent week long design meeting in Haifa, Israel.
 - This violates accepted IETF procedures.
- IETF is chartering an ips working group (IP SCSI). iSCSI will be submitted as a proposal to that working group.
 - IETF procedures are extremely different from T10.
 - Probable chair is David L. Black of EMC, `black_david@emc.com`

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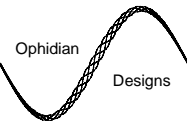
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Further Information

- **Current drafts:**
 - [ftp.ietf.org/internet-drafts/draft-satran-iscsi-01.txt](ftp://ftp.ietf.org/internet-drafts/draft-satran-iscsi-01.txt)
 - July 11, 2000 spec draft
 - [ftp.ietf.org/internet-drafts/draft-haagens-ips-iscsireqs-00.txt](ftp://ftp.ietf.org/internet-drafts/draft-haagens-ips-iscsireqs-00.txt)
 - July 10, 2000 requirements document for ips working group discussion.
- **IETF meeting, July 30 - Aug 4, Pittsburgh**
 - There will be a working group session, schedule not yet available (and will be subject to change).
 - Information at www.ietf.org

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IPS reflector

- **“Official” IPS working group reflector.**
- **To subscribe:**
 - send to majordomo@ece.cmu.edu
 - subscribe ips
- **To submit messages:**
 - ips@ece.cmu.edu
- **All messages must be plain text only, no attachments or even rtf (IETF requirement).**

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