

Storage Networking Industry Association

Technical Activities Update

April 2013

- ◆ SNIA Emerald™ Power Efficiency Measurement Specification v2.0 Rev I
 - ◆ The SNIA Emerald Power Measurement Specification identifies metrics by which energy consumption and efficiency of storage networking products can be measured for the purposes of new product development, end-user customer evaluation, and regulatory standards development.
 - ◆ ***Approved by SNIA Membership and published as a SNIA Technical Position***

SNIA Technical News

New Public Review Drafts

- **Storage Management Initiative Specification (SMI-S) v2.0r1 DRAFT**
 - ◆ The Storage Management Initiative Specification defines a method for the interoperable management of heterogeneous networked storage.
- **Cloud Data Management Interface (CDMI) v1.1.0a DRAFT**
 - ◆ The Cloud Data Management Interface defines the functional interface that applications will use to create, retrieve, update and delete data elements from the Cloud. As part of this interface the client will be able to discover the capabilities of the cloud storage offering and use this interface to manage containers and the data that is placed in them. In addition, metadata can be set on containers and their contained data elements through this interface.
- **Linear Tape File System (LTFS) Format Specification v2.1 DRAFT**
 - ◆ The Linear Tape File System format is an open description of the layout of data-structures stored on a sequential-access media design to address tape archive requirements. These data-structures hold the file content data and associated file metadata. This specification is being developed by the SNIA LTFS Technical Work Group.

<http://www.snia.org/publicreview/>

SNIA Public Review Drafts The Complete List

<http://www.snia.org/publicreview/>

- Storage Management Initiative Specification (SMI-S) v2.0r1 DRAFT
- Cloud Data Management Interface (CDMI) v1.1.0a DRAFT
- Linear Tape File System (LTFS) Format Specification v2.1 DRAFT
- CDMI Reference Implementation v1.0d DRAFT
- SMI-S v1.6.1 rev 2 DRAFT Addenda Books
- DRAFT CDMI Extensions and Profiles
- Self-contained Information Retention Format (SIRF) Use Cases and Functional Requirements v0.5a DRAFT
- Common Trace Semantics Specification v1.0 rev 11 DRAFT

Check them out! - *Participate in their development!*

➤ CDMI Reference Implementation update

- ◆ The CDMI Reference Implementation is a SNIA Software development project that implements the Cloud Data Management Interface.

➤ TLS Specification for Storage Systems

- ◆ This document specifies the requirements for use of the Transport Layer Security (TLS) protocol in conjunction with data storage technologies. The requirements are intended to facilitate secure interoperability of storage clients and servers as well as non-storage technologies that may have similar interoperability needs. This document was developed with the expectation that future versions of SMI-S and CDMI could leverage these requirements to ensure consistency between these standards as well as to more rapidly adjust the security functionality in these standards

SDC 2013 Call for Presentations

Final Reminder: **Deadline is April 12 (tomorrow)**
Hyatt Regency Hotel, Santa Clara, CA
September 16 – 19, 2013

Celebrating its tenth year, the [Storage Developer Conference](#) (SDC) continues to be the only event *created by storage developers for storage developers*.

SDC provides the information and know-how to further advance solutions, increase acceptability and interoperability in production environments, and help participants understand where storage technologies are heading. In addition, plans are being finalized for another successful SMB2/SMB3 plugfest.

Share your knowledge and experience as a storage development professional by submitting a presentation abstract for consideration at SDC. Deadline for submission of proposals is April 12.

SEE: <http://www.storagedeveloper.org>

SNIA Technical News

SPECIAL REQUEST #2

- Call for new terms and corrections to the SNIA Dictionary for the next refresh
 - ◆ Deadline for submissions is June 7, 2013
- The current SNIA dictionary (v2013.1.ENG) is located at:
 - ◆ <http://www.snia.org/dictionary>
- The SNIA Dictionary Term Submittal Form is located at:
 - ◆ <http://www.snia.org/education/dictionary/submittal>
- Anyone can submit
 - ◆ SNIA Membership not required

SNIA Technical News

Upcoming Technical Events

- ◆ SNIA Technical Symposium
 - ◆ May 14th – 17th; Arlington, VA
- ◆ SMI Lab I3 Plugfest #3
 - ◆ May 20th – 23rd; Colorado Springs, CO
- ◆ **SNIA Storage Practitioner & Data Expert Conference**
 - ◆ June 10-12; Santa Clara, CA
- ◆ SNIA and DMTF Alliance Partner Technical Symposium
 - ◆ July 22nd – 26th; Portland, OR
- ◆ Storage Developer Conference (SDC)
 - ◆ Sept. 16th-19th; Santa Clara, CA

Important SNIA Links

- <http://www.snia.org/standards/>
- <http://www.snia.org/software/>
- <http://www.snia.org/publicreview/>
- <http://www.snia.org/feedback/>
 - ◆ Public feedback submission form for draft SNIA Technical Work
- <http://www.snia.org/dictionary/>
 - ◆ Current SNIA Dictionary
- <http://www.sniacloud.org>
 - ◆ Latest news on SNIA Cloud activities
- <http://www.storagedeveloper.org>
 - ◆ SNIA Storage Developer Conference (SDC)