Storage Networking Industry Association (SNIA)

Technical Activities Update

January 2018

Linear Tape File System (LTFS) v2.4.0 DRAFT

- The LTFS Format Specification defines a file system format separate from any implementation on data storage media. Using this format, data is stored in LTFS Volumes. An LTFS Volume holds data files and corresponding metadata to completely describe the directory and file structures stored on the volume.

http://www.snia.org/publicreview

Swordfish Scalable Storage Management API v1.0.5 DRAFT

- The Swordfish Scalable Storage Management API ("Swordfish") uses RESTful interface semantics and a standardized data model to provide a scalable, customer-centric interface for managing storage and related data services.

http://www.snia.org/publicreview

◆ **Persistent Memory Hardware Threat Model v0 rev 3 DRAFT**

- This white paper discusses approaches for securing persistent memory (PM); particularly considering unique characteristics of PM. This work includes a threat model, potential responses to threats and recommended security requirements for PM.

http://www.snia.org/publicreview

SNIA Public Review Drafts

http://www.snia.org/publicreview

- **Linear Tape File System (LTFS) v2.4**
- **Swordfish Scalable Storage Management API v1.0.5**
- **Persistent Memory Hardware Threat Model v0 rev 3**
- Storage Management Initiative Specification (SMI-S) v1.8.0r1
- Simple IP Based Drive Mockup-4
- IP Based Drive Array Mockup-2
- CDMI Test Specification v1.0a DRAFT
- CDMI Reference Implementation v1.0e DRAFT
- DRAFT CDMI Extensions and Profiles

Check them out! - Provide Feedback!
Participate in their development!

Storage Developer Podcast: Latest Episode

This week's highlighted Podcast:
#60: SNIA NVM Programming Model V 1.2 and Beyond by Tom Talpey, Architect, Microsoft

The SNIA NVM Programming model enables applications to consume emerging persistent memory technologies through step-wise evolution to greater and greater value. Starting with an overview of the recently released revision of the NVM programming model specification version 1.2, this session summarizes the changes and the continuing work of the NVM programming TWG in areas of high availability and security. We take an application view of ongoing technical innovation in a persistent memory ecosystem.

Learning Objectives: 1) Learn about the exciting things happening in the SNIA NVM programming TWG; 2)Get an overview of several key topics of the SNIA NVM Programming Model; 3)Learn about the resources available to help developers plan and implement persistent memory aware software.

http://www.snia.org/podcasts

Storage Developer Podcast: Upcoming Episodes

- Persistent Memory Security
- Getting it Right: Testing Storage Arrays The Way They'll be Used
- What's new with SMB 3?
- Past and Present of the Linux NVMe Driver
- Accelerated NVMe over Fabrics Target/Host via SPDK

http://www.snia.org/podcasts

SNIA Annual Members' Symposium

Monday, January 22 - Thursday, January 25, 2018
Westin San Jose
San Jose, CA

Don't miss the SNIA Annual Members' Symposium where you and your colleagues can join together for networking, working group meetings, informative keynote sessions, and other unique programs designed for SNIA members. *There is no cost to attend.*

http://www.snia.org/events/symp

Plan to attend - Register NOW!

PERSISTENT MEMORY

SNIA

PM SUMMIT

JANUARY 24, 2018 | SAN JOSE, CA

The 2018 Persistent Memory Summit will be held Wednesday, January 24, 2018, at the Westin San Jose, during the SNIA Annual Members Symposium. ***Attendees will learn about the fundamental changes that have been brought about by persistent memory and how companies can apply this technology!***

http://www.snia.org/pm-summit

Check out video presentations from last years event!

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)

- http://www.snia.org/podcasts/
  - SDC Podcasts