

Storage Networking Industry Association (SNIA)

Technical Activities Update

August 2018

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SNIA Technical News

New Technical White Paper



➤ Persistent Memory Hardware Threat Model v1

- ◆ 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/whitepapers>

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

- 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:

#73: Key Value SSD Explained – Concept, Device, System, and Standard by Yang Seok Ki, Director of Memory Solutions Lab, Samsung

Many software infrastructures used in modern data centers and storage appliances rely on key value abstraction to access underlying storage and memory systems. However, the existing devices only provide a block interface via storage protocols. As a result, an S/W translation layer such as memcached, LevelDB, RocksDB, extent layer, etc is used to bridge this gap. However, the high overhead of such software layers impact on performance, reliability, resource utilization, and scalability of infrastructure. In this special session of key value SSD, we introduce a comprehensive introduction to key value SSD, covering the concept, device, software ecosystem, system proof point, performance, and standard activity.

Storage Developer Podcast: Upcoming Episodes



- Dip your Toe in the Water: A Swordfish Introduction
- Deep Sea Fishing: A Swordfish Deep-Dive - Richelle Ahlvers, Broadcom Limited
- Blockchain beyond Bitcoin - Mark O'Connell, Dell EMC
- Andromeda: Building the Next-Generation High-Density Storage Interface for Successful Adoption

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



9/24-9/27 Santa Clara, CA

Storage Developer Conference 2018

Agenda is now LIVE!

Register soon, early bird discount ends August 24th!

Bring your peers! Team Discounts are also available:

- 4-pack, 20% discount
- 6-pack, 30% discount
- 10-pack, 35% discount

www.storagedeveloper.org

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