An Introduction to the Storage Networking Industry Association

185 industry leading organizations

2,000 active contributing members

50,000 IT end users & storage pros worldwide

Learn more: www.snia.org
SNIA Vision and Mission

Vision Statement

- Be the globally recognized and trusted authority for storage leadership, standards, and technology expertise.

Mission Statement

- Lead the storage industry worldwide in developing and promoting vendor-neutral architectures, standards, and educational services that facilitate the efficient management, movement, and security of information.
What We Do

❖ **Standards Development and Adoption**
  - Spec development; submissions for International Standard ratification (ISO/IEC)
  - Open source software to accelerate adoption

❖ **Interoperability Assurance**
  - Plugfests & conformance testing

❖ **Technology Acceleration and Promotion**
  - Special Interest Groups to promote technologies
  - Vendor collaboration to accelerate adoption

❖ **Global Vendor-Neutral Education**
  - Peer-reviewed webcasts and tutorials
  - Conferences and presentations
  - White papers, articles, blogs, etc.
  - IT training and certification courses
Areas of Focus

PHYSICAL STORAGE
- Connectors, Form Factors & Transceivers
- Solid State Storage
- Hyperscaler Storage
- Object Drives
- Computational Storage

DATA MANAGEMENT
- Protection
- Integrity
- Retention

DATA SECURITY
- Storage Security
- Privacy and Data Protection Regulations

CLOUD STORAGE TECHNOLOGIES
- Data Orchestration
- Data into and out of the Cloud

PERSISTENT MEMORY
- NVDIMMs
- Non-Volatile Memory Programming Model

POWER EFFICIENCY MEASUREMENT
- SNIA Emerald™ Power Efficiency

NEXT GENERATION DATA CENTER
- Software Defined Storage
- Composable Infrastructure
- Next Generation Storage Management API

NETWORKED STORAGE
- Data Access Protocols
- Networking Technologies for Storage

STORAGE MANAGEMENT
- Device and System Management
Technical Work Group Activity

**PERSISTENT MEMORY**
- Non-Volatile Memory Programming Model (NVMPM) v1.3
- Persistent Memory Hardware Threat Model v1.0
- NVMPM Remote Access for High Availability White Paper

**PHYSICAL STORAGE**
- Solid State Storage Performance Test Spec v2.0
- Object Drive Key Value API Spec v1.0
- SFF Technology Affiliate:
  - Connector, Form Factor and Transceiver Standards
- Real World Workload Spec for Datacenter Storage v1.0

**DATA MANAGEMENT**
- Linear Tape File System Format Spec v3.0

**DATA SECURITY**
- Data Protection White Paper
- Transport Layer Security for Storage Spec v1.1

**CLOUD STORAGE TECHNOLOGIES**
- Cloud Data Management Interface (CDMI) Spec v2.0
- CDMI Reference Implementation v1.0

**POWER EFFICIENCY MEASUREMENT**
- SNIA Emerald™ Power Efficiency Measurement Spec v3.0 & v4.0

**NEXT GENERATION DATA CENTER**
- SNIA Swordfish™ v1.0.6 – RESTful Storage Management API for Cloud Data Centers
- Swordfish Emulator and Basic Web Client Software

**NETWORKED STORAGE**
- Requirements for Cross-Industry Alliances

**STORAGE MANAGEMENT**
- Storage Management Initiative Specification (SMI-S) v1.8
Technology Communities

- **Cloud Storage**
  - Data Management, Movement, and Orchestration

- **Ethernet Storage**
  - Next generation enterprise and cloud storage infrastructure

- **Green Storage**
  - Power efficiency

- **Solid State Storage**
  - Flash; NVDIMM; persistent memory

- **Storage Management**
  - Current and emerging storage management standards
Top 3 Reasons to Join SNIA

**INFLUENCE**
- Influence storage technologies important to the marketplace
- Amplify your vendor storage expertise and reputation
- Participate in the development of international standards

**COLLABORATE**
- Participate in multi-vendor interoperability activities
- Gain insight into disruptive industry trends
- Form strategic alliance partnerships
- Develop relationships throughout the industry

**LEAD THE INDUSTRY**
- Educate on all things storage
- Drive standards development and adoption
- Align strategic business objectives with worldwide standards