Experts on Data

What is SNIA?

- An industry organization that focuses on technologies related to handling and optimizing data

- A collaboration of experts on data that

  - Develops global standards

  - Delivers vendor-neutral education

The SNIA Community

200
Corporations, universities, startups, and individuals

2,500
Active contributing members

50,000
Worldwide IT end users and professionals

SNIA®

Data-Centric Focus Areas

Data-Centric Focus Area: Accelerate

Accelerate: Move processing to the data.

Accelerate Data: Technologies that move processing closer to the data, enabling improvements in application performance and/or infrastructure efficiency through the integration of compute resources (outside of the traditional compute & memory architecture) either directly with storage or between the host and the storage.

Areas of Interest:
- Data Accelerator (SDXI)
- Computational Storage
- DPU

Data-Centric Focus Area: Protect

Protect: Secure and protect data

Security is concerned with securing data storage systems and ecosystems and the data that resides on these systems. Storage security represents the convergence of the storage, networking, and security disciplines, technologies, and methodologies for the purpose of protecting and securing digital assets.

Data protection is the process of safeguarding important data from corruption, compromise or loss and providing the capability to restore the data to a functional state should something happen to render the data inaccessible or unusable.

Areas of Interest:
- Storage Security
- TLS for Storage Systems
- Encryption and Key Management
- Sanitization
- Privacy
- Storage Management Security
- Fibre Channel Security

Data-Centric Focus Area: Optimize Infrastructure

Optimize Infrastructure: Optimize how data environments are configured and managed.

Optimize Infrastructure for configuration, management, and monitoring of data environments to reduce the consumption of space, power, and other resources required.

Areas of Interest

Storage Management
- SNIA Swordfish™
- iSCSI Management
- SMI-S
- IP Based Drive & Management

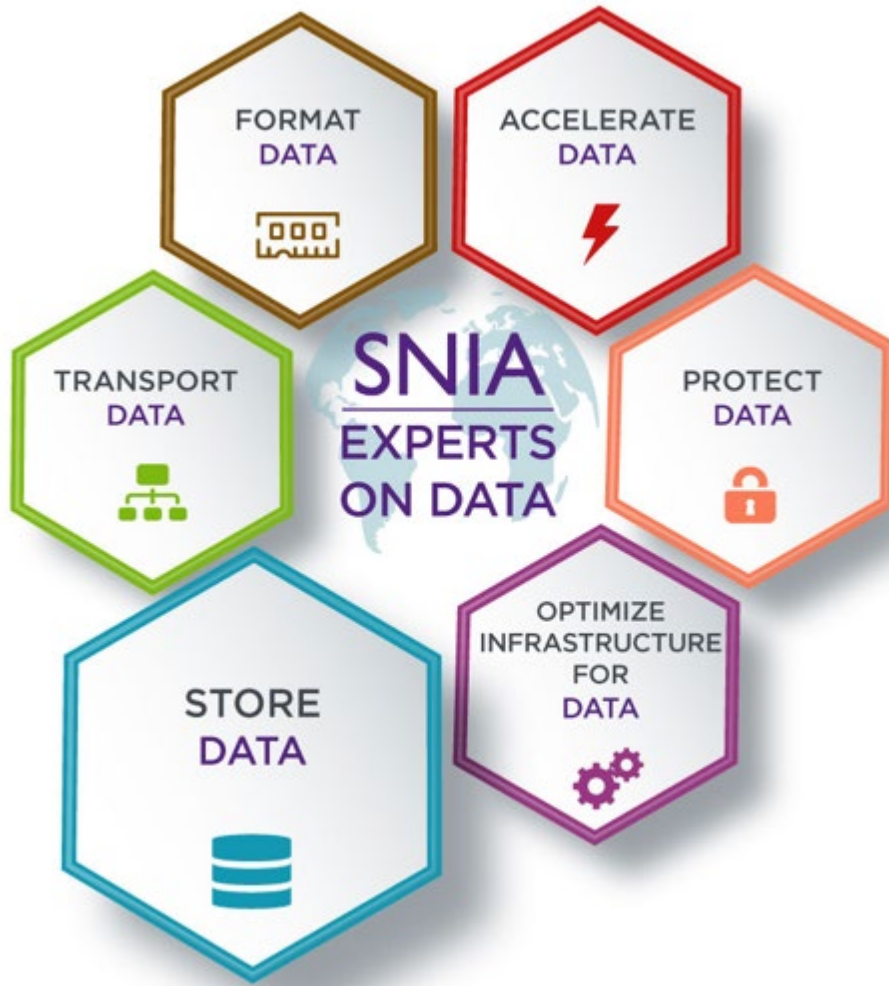### Green Storage
- SNIA Emerald™
- Power Efficiency

Containers

Performance
- Real World Storage Workload
- IO Capture and Test

IoT

Software Defined Storage

Data-Centric Focus Area: Store

Store: Representation of data on storage media.

Data Storage is a function that records data and supports retrieval, enabling technologies for the storage of data and supporting representation of data on various types of storage media.

Areas of Interest:
- Non-Volatile Memory
- Zoned Storage
- Cloud / Hyperscaler Storage
- Key Value
- DNA Data Storage
- Persistent Memory
- Serial Attached SCSI
- Automotive

Data-Centric Focus Area: Transport

Transport: Move data between physical locations.

Data Transport is concerned with the specification of mechanisms and technologies that define how data can be moved between physical locations, such as via connectors, cables, transceivers, and protocols.

Areas of Interest:
- Physical Connections and Transceiver Standards
  - SFF and EDSFF
- Native NVMe-oF™
- Memory Fabrics
  - CXL®
- Networked Storage Technologies
  - FC, iSCSI, SMB3
- Serial Attached SCSI

Data-Centric Focus Area: Format

Format: Different formats to access stored data.

Data Formats cover different formats for the format and structure of data, together with its associated metadata.

Areas of Interest:
- Linear Tape Format Specification (LTFS)
- Filesystems
- Cloud Data Management Interface / Reference Implementation
- SIRF
- DDF – common RAID Disk Data Format

Strong Industry Partnerships

Industry Alliances

Collaboration Partners

Marketing and Education Partners

SNIA's Global Events

SDC is focused on providing storage developers a forum for technical discussions and education on the latest technologies and standards.
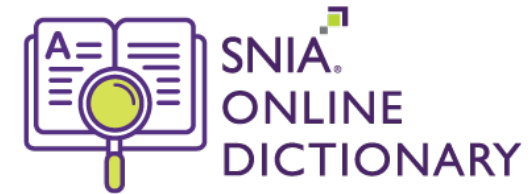

The Summit is focused on compute, memory, security, and storage architectures, solutions, and community building.

Learn More at SNIA Events

Education

Education through vendor-neutral collaboration of experts on data that lead the industry worldwide.

- Technical [white papers](#) and industry advisories
- Educational Library with over 3,200 content assets
- Peer-reviewed dictionary with over 2,000 IT definitions
- Over 1,800 [webinars](#) and [videos](#)
- [Blogs](#), [articles](#), [podcasts](#) and [infographics](#) on industry trends, initiatives and technologies
- Global events for technical education, training, and development

The Value of Participation

Influence the Industry

- Drive and impact new technologies related to handling and optimizing data

Collaborate Across Boundaries

- An ecosystem of sharing, knowledge transfer and technology advancement

Demonstrate Leadership

- Lead technology trends and adapt to shifts in the ever-changing industry

SNIA

Engage with SNIA

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Thank You