SNIA™

Technology Communities

Learn More About SNIA Technical Activities

SNIA Technology Communities primarily focus on technology promotion and technical marketing activities. Their primary goals include promoting adoption of a specific technology, educating customers and consultants, identifying customer requirements, prioritizing requirements for work in SNIA technical work groups or other formal standards bodies, and conducting events and demonstrations.

SNIA TECHNOLOGY COMMUNITIES

Analytics and Big Data Committee (www.snia.org/abdc)

The ABDC is a SNIA Committee that addresses marketing outreach, education, and collaboration with other industry bodies relative to Analytics and Big Data efforts. Also, the ABDC will closely follow of the advancements in Analytics and Big Data science, product offerings and business models from academia, industry and the research community.

To fulfill its mission, the Analytics and Big Data Committee is organized around the following goals:

- Become the recognized authority regarding the use of storage and storage networking for Analytics and Big Data
- Collaborate with academia and the research labs of member companies to understand how advances in storage, storage networking, and other technologies will affect Analytics and Big Data
- Educate the vendor and user communities on the use of storage and storage networking for Analytics and Big Data
- Perform market outreach that highlights the virtues of storage and storage networking for Analytics and Big Data

Cloud Storage Initiative (www.snia.org/cloud)

The SNIA Cloud Storage Initiative (CSI) is committed to the adoption, growth and standardization of cloud storage and related cloud data services to promote interoperability and portability of data stored in the cloud.

The CSI is responsible for coordinating and managing all activities within the SNIA related to the use of storage in cloud environments and undertakes:

- Marketing outreach, education, and collaboration with other industry bodies pursuing storage standards for cloud environments
- Coordination of specific cloud storage standards development (such as CDMI)
- Support & promotion of cloud business models (such as OpenStack)

Activities are organized around the following goals:

- Become a recognized, global authority on storage in cloud environments
- Educate the vendor and user communities about storage in cloud environments
- Provide external advocacy in support of the SNIA Cloud Storage Technical Work Group (TWG), interoperability Plugfests, and standards conformance testing
- Collaborate with other industry associations on cloud related technical work in which they are involved

Data Protection and Capacity Optimization Committee (www.snia.org/dpco)

The SNIA Data Protection and Capacity Optimization (DPCO) Committee was created to foster the growth and success of the market for data protection and capacity optimization technologies. The DPCO Committee collaborates with other organizations inside and outside SNIA on matters related to our goals. The DPCO has developed an online Product Selection Guide to help buyers compare capabilities of products offered by the industry.

The goals of the DPCO are:

- Educate the vendor and user communities about data protection and efficient data storage technologies
- Perform market outreach that highlights the benefits of relevant technologies and documents implementation considerations and best practices
- Advocacy and support of technical work associated with data protection and capacity optimization
- Collaborate with other SNIA groups and external organizations to further the educational outreach for data protection and capacity optimization.

Ethernet Storage Forum (www.snia.org/esf)

The SNIA Ethernet Storage Forum (ESF) is a marketing organization within the SNIA focused on driving the broad adoption of Ethernet-connected storage networking solutions.

The ESF provides education on the advantages of storage over Ethernet by:

- Promoting Ethernet as a transport for converged storage networking solutions
- Promoting the use of the latest advancements in industry standard file protocols for data center storage applications
- Creating vendor-neutral education content for IT professionals
- Driving market awareness and positioning of the various Ethernet storage technologies
- Leveraging SNIA and industry events, activities, and end-user outreach programs worldwide

The ESF has covered topics as diverse as NFS, SMB, OpenStack, iSCSI, NVMe and more. Special Interest Groups (SIGs) within the ESF execute marketing activities related to their area of focus, create content, and provide thought leadership to promote their technology. Today, the Ethernet Storage Forum has two Special Interest Groups: the File Protocols SIG and the Storage over Ethernet SIG.

Green Storage Initiative (www.snia.org/gsi)

SNIA's Green Storage Initiative (GSI) is dedicated to advancing energy efficiency and conservation in all networked storage technologies in an effort to minimize the environmental impact of data storage operations.

Working collaboratively, the GSI and the Green TWG (Technical Work Group) are focused on:

- Maintaining the SNIA Emerald™ Program for SNIA Emerald™ Energy Efficiency Measurement and conducting training of SNIA Emerald ™ testers and industry stakeholders
- Educating the IT industry, vendor community and regulatory bodies on techniques to conserve energy for enterprise storage environments
- Providing external advocacy and support of the technical work of the SNIA Green Storage Technical Working Group (TWG)
- Providing input to the SNIA Green Storage TWG on requirements for green storage measurement specifications, metrics and standards
- Establish and maintain cross-industry relationships and alliances to coordinate and advance data center energy efficiency related programs, test and measurement methods, and standards
- Promoting storage technologies and best practices that reduce the storage footprint and associated power requirements

SFF Technology Affiliate Technical Work Group (www.snia.org/sff)

The SNIA SFF Technology Affiliate (TA) Technical Work Group (TWG) carries forth the longstanding SFF Committee work efforts that has operated since 1990 until mid-2016. The SFF will retain the longstanding technical focus on specifications in a similar fashion as all SNIA TWGs do.

The SFF TA TWG work items include:

- Develop technical specifications as SNIA Architecture for storage media, storage networks, and pluggable solutions that complement existing industry standards work that encompass cables, connectors, form factor sizes and housing dimensions, management interfaces, transceiver interfaces, electrical interfaces, and related technologies.
- Revisions to pre-SNIA SFF TA TWG specifications, SFF-8xxx and SFF-9xxx, and as revised, become SNIA Architecture.
- Coordinate efforts with other Committees and TWGs within and outside SNIA with respect to related aligned efforts, including the SNIA Standards Committee and SNIA Strategic Alliances Committee.

SNIA TECHNOLOGY COMMUNITIES

Solid State Storage Initiative (www.snia.org/sssi)

The SNIA Solid State Storage Initiative (SSSI) fosters the growth and success of the market for solid state storage. SSSI educates markets, promotes and influences standards, and collaborates with other industry associations for success of solid state storage (SSS).

SSSI areas of focus include:
•   Creation of reference SNIA architectures and facilitating industry-wide adoption of common metrics, methodologies, and tests for standardized SSS and SSS systems performance testing
•   Advocacy of the NVM Programming Model Specification that describes behavior of a common set of software interfaces that provide access to non-volatile memory
•   Collaboration and education on designing in NVDIMMs and developing NVDIMM use best practices and user perspective case studies
•   Collaboration to enable data recovery and erase capabilities in SSS, ensuring customer demands are met

Storage Management Initiative (www.snia.org/smi)

The Storage Management Initiative (SMI) unifies the storage industry to develop and standardize interoperable storage management technologies, such as the proven Storage Management Initiative Specification (SMI-S) and the emerging Swordfish specification. SMI programs include SMI-Lab, which provides an environment and ecosystem that supports the implementation of storage products based upon SMI-supported standards, and SMI-S CTP, which manages and develops test suites that ensure conformance to the SMI-S specification.

Industry-leading storage companies join SMI because:
•   SMI-supported standards enable storage management solutions that are interoperable, deployable and verifiable
•   SMI-Lab helps accelerate the implementation of interoperable storage products that are based upon SMI-supported standards
•   SMI-S CTP offers vendor-neutral conformance testing of SMI-S based storage solutions
•   The SMI-supported ecosystem provides access to industry best practices and prime networking opportunities for developers

Storage Security Industry Forum (www.snia.org/ssif)

The SNIA Storage Security Industry Forum (SSIF) is a consortium of storage professionals, security professionals, security practitioners, and academics.

The SSIF is focused on:
•   Providing data and information security expertise
•   Contributing to a better understanding of information assurance and how it applies in IT operations
•   Influencing the design, use, and management of storage technology to better protect and secure information

Auditors, educators, and IT practitioners implementing security practices throughout the world are encouraged to engage the SSIF and participate in education and outreach activities.

www.snia.org/forums