



Storage Management Initiative

2023 Review and 2024 Plans

Richelle Ahlvers, Intel, SMI Governing Board Chair

Storage Management Initiative

- Charter: <https://members.snia.org/wg/sminit/document/32778>
- Mission:
 - The SNIA Storage Management Initiative (SMI) is dedicated to fostering the creation of implementable, deployable and verifiable end user storage management solutions based on industry and SNIA standards that can be adopted industry wide.



SMI 2023-24 Accomplishments



- SMI has been very busy!
 - SNIA Swordfish registered trademark
 - Swordfish: Added enhanced support for NVMe / NVMe-oF to Redfish and Swordfish, and focusing on enabling execution
 - Partnered with NVMe, DMTF, and OFA to promote Redfish, Swordfish for NVMe, Storage Fabric Management
 - Sponsored the SNIA Pavilion at FMS and SNIA reception; debut public demo of open-source Swordfish implementation for NVMe drives
 - At SDC: Hosted client workshop, Return of the Hands-on Lab! Great response! Increased participation in all management-related sessions – double-digit attendance!
 - Sponsored Open Standards Pavilion at SC'23: SMI / CMSI / SFF for SNIA, OFA, UCle, UEC, participating
 - Swordfish CTP versions 1.2.5a and 1.2.6 active!
 - First CTP conformance vendor posted!
 - ISO Release of version 1.2.5a
 - Popular Webcasts – hundreds of views:
 - Casting the Net: Scaling Management of Storage and Fabrics
 - Why Storage Management Standards Matter in Complex Virtualized Environments
 - Catch the Wave – Managing NVMe-oF™ in the Enterprise



SMI: 2024 Priorities



- Drive and expand use of interoperability environment (lab) for storage standards
- Support the SSM TWG, and other TWG manageability activities
- Drive client-focused programs:
 - RF/SF Plugfest at SNIASWeek, ClientLab, and more
- Accelerating Swordfish development and adoption, through interoperability, conformance, education and marketing activities
 - Why is standards-based storage management important? Then, why Swordfish.
 - New for 2024: Add Swordfish CTP for NVMe drives program
 - Purpose – to kick-start the Swordfish CTP program leveraging the Linux open-source Swordfish service
- Partnering with other organizations to expand storage management standards
 - Active alliances with DMTF, NVM Express, SODA, OFA, OCP, and more.



Storage Management Initiative: Structure and Members

SMI Leadership Companies

*New Members














Programs
(pay to play)

Operations
(Governing Board)




SM Lab





Swordfish CTP





Swordfish CTP
for NVMe SSDs
(NEW!)

Marketing

Conformance
Development

Interoperability
Lab Enablement

SMI Governing Board

	Richelle Ahlvers, SMI Chair Storage Management Architect, Intel SNIA Board Secretary and Executive Committee, and SMI Conformance Committee Chair
	Chris Lionetti, SMI Vice-Chair Senior Technical Marketing Engineer, Hewlett Packard Enterprise SNIA Vice Chair and Executive Committee
	Krishnakumar Gowravaram Senior Principal Engineer, Celestica SMI GB Member
	Lawrence (Larry) Lai Head of Global Alliances and Business Development for Storage and MultiCloud, Futurewei SMI GB Member
	Barry Kittner SMI GB Member-at-Large
	Don Deel SMI GB Member-at-Large

Join SMI, SM Lab, CTP

SMI Annual Membership Fee	Member Fee	\$5,000 US
	"Start-up" Member Fee	\$1,000 US
SM Lab Annual Participation Fee ¹ (SMI membership required to participate)	Lab Provider/Service Developer Participant	\$25,000 US
	Infrastructure Developer Participant	\$10,000 US
	Storage Client Fee	\$10,000 US
	Storage "Start-up" Fee	\$4,000 US
Swordfish Conformance Testing Program Subscription Fee	Swordfish CTP Subscriber	\$10,000 US
	Swordfish CTP Subscriber (non-SNIA member)	\$15,000 US
	(1) SM Lab memberships include full access to the Swordfish Conformance Test Program	

Coming Soon...



- Spring SDC / SNIA Week
 - Invitation-only plug-fest / hackathon
- CTP: New! Swordfish CTP for NVMe SSDs
- Education:
 - Webinar, podcast and blogs on new Swordfish functionality, programs and implementations
- Events:
 - Sponsoring the SNIA presence at FMS, including the Open Standards Pavilion, reception, and more
 - Sponsoring Open Standards Pavilion at SC'24 in Atlanta: SMI / CMSI / SFF for SNIA, with OFA, UEC, DMTF, UCle and other partners

SMI Participation

- Targeted Industry Impact:
 - Promoting and accelerating adoption of industry standard storage management standards
 - Educating on importance of storage management and storage management standards
- Target Industry segments: All storage infrastructure (physical and virtual)
- Join the SMI and programs to accelerate adoption of storage standards and drive interoperability
 - Join SMI to help with marketing and education: we need resources to do more!
 - Participate in lab activities: test-a-thons, hack-a-thons, interoperability testing, accelerating development, work with conformance tests during development
 - Join Conformance Test Program – NVMe, FC, SAS, SATA, iSCSI
- For additional info, contact storagemanagement@snia.org