



# Storage Management Initiative

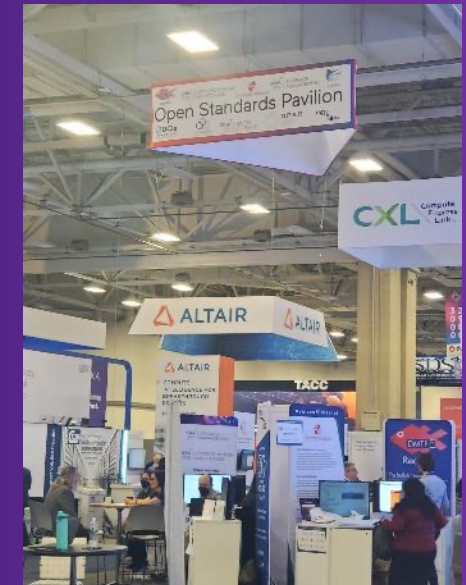
2022 Review and 2023 Plans

Richelle Ahlvers, Intel, SMI Governing Board Chair

# SMI 2022 Accomplishments



- 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.
- In 2022 SMI was very busy!
  - 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
  - Sponsored Open Standards Pavilion at SC'22: SMI / CMSI / GSI for SNIA, EA, OFA, CXL, PCI-SIG, DMTF, UCle, participating, with joint technical demos
  - The SNIA Innovations Lab opened its doors, hosting the SM Lab, Redfish Interoperability lab, and the CMSI hackathon lab
  - Swordfish CTP versions 1.2.3 and 1.2.4
  - Return of the Hands-on Lab! Great response!



# SMI: 2023 Priorities



- Educating everyone on the purpose and value of storage management
- Drive and expand use of interoperability environment (lab) for storage standards
  - Drive a client-focused interop program
- Support the SSM TWG, and other TWG manageability activities
- Accelerating Swordfish development and adoption, through interoperability, conformance, education and marketing activities
- Developing a seamless transition from other storage management standards to Swordfish
- Partnering with other organizations to expand storage management standards
  - Active alliances with DMTF, NVM Express, OCP, OFA, and more.








# Storage Management Initiative: Structure and Members



Programs  
(pay to play)

Operations  
(Governing Board)

  
SM Lab  







  
Swordfish CTP  


Marketing

Conformance  
Development

Interoperability  
Lab Enablement

# SMI Governing Board

	<b>Richelle Ahlvers</b> Storage Management Architect, Intel SNIA Vice-Chair, SMI Chair and SMI Conformance Committee Chair, SMI Lab Enablement Co-Chair
	<b>Chris Lionetti</b> Senior Technical Marketing Engineer, Hewlett Packard Enterprise SNIA Secretary, Executive Committee and SMI GB Member
	<b>Barkz</b> Technical Director, Pure Storage SMI GB Member, SMI Lab Enablement Co- Chair
	<b>Barry Kittner</b> SMI GB Non-voting Member
	<b>Don Deel</b> SMI GB Non-voting Member

# Join SMI, SM Lab, CTP

<b>SMI Annual Membership Fee</b>	Member Fee	\$5,000 US
	"Start-up" Member Fee	\$1,000 US
<b>SM Lab Annual Participation Fee <sup>1</sup></b> (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
<b>Swordfish Conformance Testing Program Subscription Fee</b>	Swordfish CTP Subscriber	\$10,000 US
	Swordfish CTP Subscriber (non-SNIA member)	\$15,000 US
	<b>(1) SM Lab memberships include full access to the Swordfish Conformance Test Program</b>	

# 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](mailto:storagemanagement@snia.org)