Computational Storage TWG

2023 Review and 2024 Plans

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Computational Storage TWG 2023 Accomplishments

- TWG Charter - Computational Storage TWG Charter V1c-Approved.pdf
- Computational Storage API v1.0 Released
- Sequencing of Commands
  - Development nearing completion
  - Will be included in v1.1 Architecture and Programming Model

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Computational Storage TWG Work Items

- v1.1 Architecture and Programming Model
  - Complete Sequencing of Commands
  - Release v1.1
- v1.1 API
  - Editorial changes, clarifications, enhancements
  - Release v1.1
- Investigate the possibility of incorporating Computational Memory
- SNIA Group collaboration
  - Continued effort with SDXI TWG combining SDXI with Computational Storage
- External group collaboration / Alliance work items
  - Continued NVM Express interaction
  - Potential engagement with CXL
- Investigating implications of Computational Memory

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Computational Storage TWG Participation

- What is the expected industry impact of this work
  - Encourage development, deployment, and compatibility of Computational Storage Devices (CSxes) in the current and future ecosystem
- What is the industry segment relevance.
  - Volumes of generated data exposes current infrastructure bottlenecks and the need to augment host compute with Computational Storage offloads
- Why you should join and participate in this TWG
  - Participation allows members the ability to impact the direction, development, and deployment of Computational Storage architecture and API enhancements
- Who to contact for additional information
  - computationaltwgchair@snia.org

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41 Participating Companies - 217 Member Representatives

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