



Computational Storage TWG

2022 Review and 2023 Plans

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Computational Storage TWG 2022 Accomplishments

- Architectural and Programming Model [1.0 Released](#)
 - Included Security Recommendations
- Updated Release of API [r0.8](#)
 - Significant updates getting ready for 1.0
- Continued Content creation and delivery for **CS SIG** in [CMSI](#)
 - Includes FMS, SDC, PMCSS, Security Summit
- Continued collaboration with [NVMe TP](#) around “Computational Programs”
- TWG Charter - [Computational Storage TWG Charter V1c-Approved.pdf](#)

Computational Storage TWG Work Items

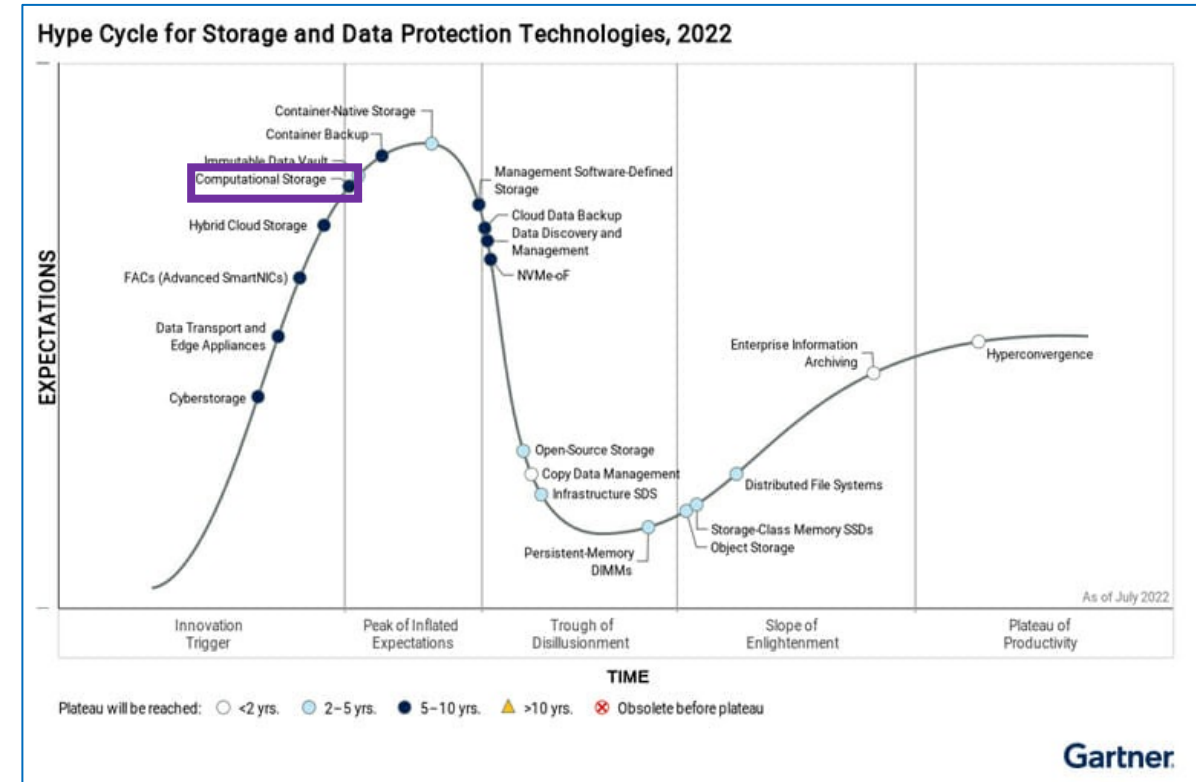
- Drive Rev 1.1 Release – Architecture and Programming Model
 - Additional Use Model in appendix
 - Chaining of commands, management
 - Ongoing work on Security recommendations
- Drive Rev 1.0 Release – User API Document
 - Deep Dive during F2F in January to drive release 1.0
 - Continue evolution as NVMe TP work continues
- Continued Support CS SIG Work
 - Webinars, Blogs, Contributed Articles
 - 3rd Annual PM/CS Summit, FMS, SDC
 - Support the planned TCO Model work
- SNIA Group collaboration
 - Continued effort to drive collaboration with SDXI TWG
 - Continued collaboration with Security TWG on Security for CS
- External Interactions
 - NVM Express interaction around TP work
 - OCP has started a Computational Work Stream

50 Participating Companies - 258 Member Representatives



Computational Storage TWG Participation

- What is the expected industry impact of this work?
 - Encourage development and deployment of Computational Storage Devices (CSxes) in the current and future ecosystem.
- What is the industry segment relevance?
 - Current Infrastructure has developed new bottlenecks and the need to shift compute away from just an xPU has driven the need for Computational Storage
- Why should you join and participate in this TWG?
 - Participation allows members the ability to impact the direction, development, and deployment of new and innovative storage solutions for their organizations and customers



- Who to contact for additional information
 - computationaltwgchair@snia.org