

# Cloud Storage TWG

2023 Review and 2024 Plans

Presented by:

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# Cloud Storage TWG 2023 Accomplishments

- Cloud Storage TWG Charter
  - Acts as the primary technical entity for the SNIA to identify, develop, and coordinate systems standards for Cloud Storage.
  - Produces a comprehensive set of specifications and drives consistency of interface standards and messages across the various Cloud Storage related efforts.
  - Produces a set of reference implementation SNIA Software that complements the specifications and aids adoption of cloud storage standards.
  - Documents system-level requirements and shares these with other Cloud Storage standards organizations under the guidance of the SNIA Technical Council and in cooperation with the SNIA Strategic Alliances Committee.
  - Produce criteria and guidance to assist in verifying implementation compatibility and interoperability for various Cloud Storage related interface standards, such as CDMI and S3. **\*NEW for 2024\***
  - Facilitate implementation compatibility and interoperability testing activities. **\*NEW for 2024\***
- Recent completed work
  - Draft CDMI Extensions – CDMI Validators
  - CSTI BrightTalk about CDMI for Namespace Management – <https://www.brighttalk.com/webcast/663/451691>
  - Identified a new focus area – Object Storage Interoperability. Launched initial campaign for Interop plugfest.

# Cloud Storage TWG Work Items

- 2024 Work Items
  - CDMI Vendor Extensions (S3 Exports, Container/Data Duality)
  - CDMI Spec Updates (Errata, RFC 7807 Problem Details, OpenAPI Spec Generation)
  - Facilitate collaboration and knowledge sharing among Object Storage developers
  - Organize Object Storage Interoperability plugfest co-located with SDC'24
- SNIA Group collaboration
  - CSTI joint projects / BrightTalk webinars
  - Security TWG
- External group collaboration / Alliance work items
  - IETF – Multi-part Uploads / Resumable Uploads
  - ISO – JTC1 SC 38 Multi-cloud management, Data Storage as a Service

# Cloud Storage TWG Membership as of 2023-12-31

- 30 New members in 2023 (Up from 14 new members in 2022)
- TWG Membership: 92 individual members, 26 companies
- TWG Membership actively participating in TWG:



**KIOXIA**



# Cloud Storage TWG Participation

- What is the expected industry impact of this work
  - Enhance interoperability and efficiency across different object storage platforms, ultimately leading to more robust and user-friendly object storage solutions
- What is the industry segment relevance
  - Cloud storage system vendors
  - Object storage vendors
- Why you should join and participate in this TWG
  - Don't miss an opportunity to contribute to shaping industry standards, networking with key industry players, and directly influencing the evolution of cloud storage technologies.
- Who to contact for additional information
  - David Slik, co-chair, [cloudtwgchair@snia.org](mailto:cloudtwgchair@snia.org)
  - Gregory Touretsky, co-chair, [cloudtwgchair@snia.org](mailto:cloudtwgchair@snia.org)