



Cloud Storage TWG

2025 Review and 2026 Plans

Presented by David Slik, Chair
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Cloud Storage TWG 2025 Accomplishments

▮ Cloud Storage TWG Charter

- ▮ Technical entity for SNIA to identify, develop, and coordinate standards for cloud storage
- ▮ Produce specifications and drive consistency of interface standards for cloud storage
- ▮ Produce reference implementations to complement specifications and aid adoption
- ▮ Document system-level requirements and share with cloud storage standards organizations
- ▮ Cooperate with other SNIA TWGs to incorporate cloud storage into standards work

▮ Recent completed work and accomplishments

- ▮ Cloud Data Management Interface (CDMI) version 3.0 base scope finalized
- ▮ Identification of CDMI value propositions for AI data exchange, workflows and repositories
- ▮ Published [Introduction to SNIA CDMI 3.0 Whitepaper](#)
- ▮ Presented overview of [Cloud Data Management Interface 3.0](#) at SDC 2025
- ▮ Specification work complete for Graph Relationships and Multiple Representations
- ▮ Adoption and stakeholders outreach in collaboration with Cloud Storage Community

Cloud Storage TWG Work Items

- ❏ Completion of remaining specification work for CDMI 3.0 base scope
 1. CDMI over Model Context Protocol (MCP): Enabling Agent-driven Cloud Storage Management
 2. Data Access and Query Access Protocol Guidance for Implementers
 3. Exports Provided discovery enhancements
 4. Relationships ('rel') Metadata (in final draft, preparation for public review)
 5. Representations Metadata (in final draft, preparation for public review)
 6. Specification reorganization to meet new ISO requirements and enhance readability
 7. RFC alignment (updates to use new and updated RFCs)
 8. Additional scope as prioritized by contributors and TWG participants
- ❏ SNIA Group collaborations
 - ❏ Outreach and promotion webinars/whitepapers with Cloud Storage Community
 - ❏ Specification security updates in collaboration with the SNIA Security TWG
- ❏ External group collaboration / Alliance work items
 - ❏ Liaison and CDMI review with ISO/IEC JTC1 SC38
 - ❏ Preparation of CDMI 3.0 for ISO/IEC PAS submission to update ISO/IEC 17826
 - ❏ ONVIF - Propose/joint work on updates to CDMI section in ONVIF standard
 - ❏ IETF/IANA - Review of CDMI 3.0 capabilities alignment with RFC 8615

Cloud Storage TWG Membership as of Dec 2025

• TWG Membership: 85 Members (+8), 32 Member Companies (+7)



• TWG Chair: David Slik (Huawei)

Cloud Storage TWG Participation

- What is the expected industry impact of this work:
 - Enable standard LLM-aware agent-driven cloud storage management
 - Connect and accelerate data interchange between AI workloads with AI data repositories
 - Enhance interoperability and data exchange across different cloud storage platforms
- What is the industry segment relevance:
 - Cloud storage system vendors, clients, end-users and researchers
 - Object storage system vendors, clients, end-users and researchers
 - Storage brokers, translation and workflow tools vendors, end-users and researchers
 - Long-term retention and archiving vendors, clients, end-users and researchers
- Why you should join and participate in this group:
 - Don't miss an opportunity to contribute to shaping the next version of CDMI, networking with key industry players, and directly influencing the evolution of cloud + AI storage technologies.
 - TWG is actively looking for a co-chair!
- Who to contact for additional information:
 - David Slik, chair, cloudtwgchair@snia.org