Object Drive TWG

2024 Review and 2025 Plans

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Object Drive TWG 2024 Accomplishments

- Charter: "… to identify, develop, and coordinate standards of Object Drives operating as storage nodes in scale-out storage solutions."
  - Data control path interfaces and protocols
  - Interoperability among Object Drive software hosting environments
  - See: https://members.snia.org/wg/objecttwg/document/29291

2024 work

- Re-initiated TWG calls
- Developed proposed **NVMe-oF™ Drive Specification** version 1.1 D (updating references, tables, and links)
- Held discussions about next steps (ongoing)

SNIA

Object Drive TWG Work Items: 2025 Plans

- *Finalize* Native NVMe-oF Drive Specification Version 1.1d
- Evaluate TWG Charter, name, planned deliverables for updates/changes.
  - For subject matter and SNIA Membership Model changes
- Possibilities:
  - Update/refine the Charter / TWG name to be more in line with current industry needs.
    - Do Object Drives still need a SNIA TWG?
    - Work has been on Network Attached Devices, not Object Drives.
  - Consider establishing a new TWG that will energize initiatives established through its new charter
  - Consider shutting down the TWG and split the Native NVMe-oF Drive specification into components that fit in other SNIA TWGs:
    - Consider: Physical requirements to SFF, Management requirements to Swordfish (SSM)
- Canvas SNIA and non-SNIA suppliers who have implemented the NVMe-oF Drive Specification to assist/support in developing the necessary charter/deliverables

SNIA

Object Drive TWG Work Items: 2025 Plans

- SNIA Group collaboration
  - SSM
  - SFF

SNIA

Object Drive TWG Membership as of 2025/01/10

<u>Chair</u>: James Borden (KIOXIA)