

SNIA / DMTF Work Register

Version 1.5

Date Initiated: 1/5/2016

The DMTF Work Register is created between the DMTF and an Alliance Partner to formally define the scope, benefits, and deliverables of the alliance partnership. The register helps both organizations coordinate efforts to achieve the stated goals and objectives.

Alliance Organizations

The [Storage Networking Industry Association](#) (SNIA) and the [Distributed Management Task Force](#) (DMTF).

Background

The SNIA is an organization which develops and promotes standards, technologies, and educational services to empower the management of information in the storage domain.

The SNIA has been working on the development of Storage related standards based upon DMTF technologies for many years. Much of this work has resulted in contributions back to the DMTF, and it has also resulted in the development of ANSI and ISO standards.

Alliance Partner Mission

The goal of this coordination is to incorporate standards for managing different aspects of storage with work developed by the DMTF.

The SNIA has multiple work streams for storage and data management:

- The Storage Management Initiative Specification (SMI-S) applies DMTF technologies to provide a complete management solution for interoperable, multi- vendor Storage and Storage networks.
- The specification produced by the Scalable Storage Management Technical Work Group (SSM TWG) extends the Redfish Scalable Platforms Management API Specification to cover storage management.
- The SNIA Object Drive TWG wishes to coordinate with the Redfish Scalable Platforms Management API Specification to extend the specification. The Object Drive IP-based Management Specification seeks to provide Redfish compatible compute, network and storage management of object drives.

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- The Cloud Data Management Interface Specification (CDMI) seeks to interoperate with the DMTF Cloud Infrastructure Management Interface (CIMI).

Alliance Benefits

This alliance provides the following benefits:

- Enables a holistic management experience
- Ensures that SNIA and DMTF standards are coordinated and address all storage management requirements, including schema definition and WBEM or JSON/OData interoperability
- Promotes SNIA and DMTF standards to member companies
- Fosters SNIA participation at the DMTF Alliance Partner Technical Summit and in various DMTF working groups
- Fosters DMTF participation at SNIA Symposiums and in various SNIA technical work groups

Activities

The following activities may occur during the duration of this work register:

SSM and Object Drive:

SNIA and DMTF agree that schemas representing hardware (physical or virtual) should be owned by the DMTF, and that schema representing the logical storage realized from storage media are owned by the SNIA. The SNIA and DMTF further agree that schemas representing service options for a service should be owned by the organization defining the schema for that service.

Development of the schema is not restricted to the owning organization, but the owning organization retains the right to approve versions of the schema.

The SNIA may:

Review and provide feedback on the following DMTF material (including whitepapers, work-in-progress, and standard documents).

- Redfish Scalable Platforms Management API Specification, schema and documentation

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The DMTF may:

Review and provide feedback on the following SNIA material (including whitepapers, work-in-progress, and standard documents).

- The specification produced by the Scalable Storage Management Technical Work Group (SSM TWG)
- The Object Drive IP-based Management Specification

SMI-S:

The SNIA may:

Review and provide feedback on the following DMTF material (including whitepapers, work-in-progress, and standard documents).

- The Common Information Model (CIM)

The DMTF may:

Review and provide feedback on the following SNIA material (including whitepapers, work-in-progress, and standard documents).

- The Storage Management Initiative Specification (SMI-S)

CDMI:

The SNIA may:

Review and provide feedback on the following DMTF material (including whitepapers, work-in-progress, and standard documents).

- The Cloud Infrastructure Management Interface (CIMI)

Create and maintain CDMI extensions for OVF and Cloud Computing usage of Cloud Storage.

The DMTF may:

Review and provide feedback on the following SNIA material (including whitepapers, work-in-progress, and standard documents).

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- The Cloud Data Management Interface Specification (CDMI)
- CDMI extensions related to CIMI and Cloud Computing

Limitations

Both the SNIA and the DMTF should preserve both interoperability and backward compatibility, except in major version releases.

Milestones / Dates

SSM and Object Drive:

Milestone/Deliverables	Timeframe
Joint press announcement of working relationship (<i>targeted</i>)	Q1 2016
Initial release of basic block-based functionality from the SSM TWG (<i>targeted</i>)	Q3 2016
Alliance partner meeting F2F (<i>planned</i>)	Q3 2016

SMI-S:

Milestone/Deliverables	Timeframe
SMI-S 1.8 Final Draft (<i>planned</i>)	Q4 2016

CDMI:

Milestone/Deliverables	Timeframe
CDMI 1.1.1 PAS candidate at JTC 1 (<i>targeted</i>)	Q1 2016

Access

SSM and Object Drive:

The following specifications will be shared upon request with the SNIA SSM TWG and Object Drive TWG:

- Updates & Work in Progress Drafts of the Redfish Scalable Platforms Management API Specification

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- Updates & Work in Progress Drafts of the Redfish Scalable Platforms Management Schema

The following specifications will be shared upon request with DMTF:

- Updates & Work in Progress Drafts of the specification produced by the Scalable Storage Management Technical Work Group (SSM TWG)
- Updates & Work in Progress Drafts of the Object Drive IP-Based Management Specification

SMI-S:

The following specifications will be shared upon request with the SNIA:

- CIM Schema Work in Progress Drafts
- DMTF Profile Work in Progress Drafts

The following specifications will be shared upon request with DMTF:

- Updates & Work in Progress Drafts of the SMI-S Specification

CDMI:

The following specifications will be shared upon request with the SNIA:

- Updates & Work in Progress Drafts of the Cloud Infrastructure Management Interface (CIMI) 2.x specification and any extensions

The following specifications will be shared upon request with DMTF:

- Updates & Work in Progress Drafts of the Cloud Data Management Interface (CDMI) 1.1.1 specification and any extensions

Work Register Review Date

The next review date is expected to be on or before December 2017.

Resources Identified / Points of Contact:

Primary Alliance Agreement Contacts:

SNIA:

- SNIA Technical Liaison to the DMTF (dmtfliaison@snia.org)
- SNIA Board Liaison to the DMTF (dmtfboardliaison@snia.org)
- SNIA Cross-Marketing Team Chair (cross_marketingteam-chair@snia.org)

DMTF:

- DMTF VP of Alliances (vp-alliances@dmtof.org)

Corresponding SNIA Document

This document is the official SNIA alliance record.

It was reviewed and approved by the SNIA Alliances Committee: January 5, 2016.

It was reviewed and approved by the SNIA Technical Council: January 6, 2016.

Approval by the DMTF Board of Directors

Board Resolution 2016-01-04, on January 14, 2016.