

# Swordfish Work in Progress Notice

**Version 1.0.1**

Publication of this *Working Draft* for review and comment has been approved by the Scalable Storage Management Technical Work Group. This draft represents a “best effort” attempt by the Scalable Storage Management Technical Work Group to reach preliminary consensus, and it may be updated, replaced, or made obsolete at any time. This document should not be used as reference material or cited as other than a “work in progress.” Suggestions for revision should be directed to <http://www.snia.org/feedback>.

## SNIA Work in Progress

**October 12, 2016**

**The following files are included in this Work in Progress Release  
(Swordfish\_v1.0.1.zip):**

- **Swordfish\_v1.0.1\_WorkInProgressNotice.pdf (this file)**
- **Swordfish\_v1.0.1\_Mockups.zip**
- **Swordfish\_v1.0.1\_MockupOverview.pdf**
- **Swordfish\_v1.0.1\_Schema.zip**
- **Swordfish\_v1.0.1\_MockupHowToInstall.pdf**
- **Swordfish\_v1.0.1\_Specification.pdf**
- **Swordfish\_v1.0.1\_UserGuide.pdf**

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## Revision History

Revision	Date	Changes
V0.5	3/16/16	Initial work in progress release
V0.6	5/24/16	Updated to include content including replication for block services
V0.8	7/28/16	Updated to include content including filesystem schema, json schema
V0.9	8/30/16	<p>First draft of <i>Swordfish Scalable Storage Management API User's Guide</i>.  First draft of <i>Swordfish Scalable Storage Management API Specification</i>.  Changes to schema:</p> <ul style="list-style-type: none"> <li>• Clarifications to use of Collections vs ResourceCollections and appropriate notation of Read/Write on Collections</li> <li>• Some updates to how LineOfService is represented in ClassOfService (to simplify hierarchy)</li> <li>• Clarifications in File System schemas</li> </ul>
V1.0	9/19/16	<p>First Release of <i>Swordfish Scalable Storage Management API User's Guide</i>.  First Release of <i>Swordfish Scalable Storage Management API Specification</i>.  Schema changes:</p> <ul style="list-style-type: none"> <li>• Simplified StorageServices</li> <li>• Updated descriptions and long descriptions</li> <li>• Changed GeographicScope to FailureDomainScope</li> </ul>
V1.0.1	10/12/16	<p>Errata release v1.0.1.  Mockup Overview document updated for clarity.  Mockups updated to reflect changes in schema.  Spec and schema updates:</p> <ul style="list-style-type: none"> <li>• General clean up and formatting consistency</li> <li>• Clarify use of StorageGroup</li> <li>• Detail interactions between DefaultValue and Nullable in schema attributes</li> <li>• Set default values for Boolean attributes</li> <li>• Clarify appropriate EntitySet referencing</li> <li>• Improve descriptions for many schema attributes</li> <li>• Replace IsDefault with reference to ClassOfService in StoragePool and StorageService</li> <li>• Align Location with Redfish model</li> <li>• Change time values to conform to ISO 8601</li> <li>• Collapse TargetEndpointGroup and InitiatorEndpointGroup into EndpointGroup</li> <li>• Property and enumeration deleted from StorageReplicaInfo to remove redundancy with ReplicaSyncType</li> <li>• Add DefaultClassOfService link to StoragePool and StorageVolume in lieu of ClassOfService.IsDefault</li> <li>• Remove invalid measurement annotation from DataProtectionLoSCapabilities</li> <li>• Moved schedule to Redfish</li> </ul> <p>User's Guide:</p> <ul style="list-style-type: none"> <li>• General clean up and formatting consistency</li> <li>• A discussion of unused CoS and LoS entries in ServiceCatalog</li> <li>• Improve purpose for many use cases</li> </ul>

Suggestion for changes or modifications to this document should be sent to the SNIA Scalable Storage Management (SSM) Technical Working Group at <http://www.snia.org/feedback/>.



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### SNIA Address

Requests for interpretation, suggestions for improvement and addenda, or defect reports are welcome. They should be sent via the SNIA Feedback Portal at <http://www.snia.org/feedback/> or by mail to the Storage Networking Industry Association, 4360 ArrowsWest Drive, Colorado Springs, Colorado 80907, U.S.A.

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Each publication of this specification is uniquely identified by a one- to three-level identifier, comprised of a version number, a release number and an optional update number. Future publications of this specification are subject to specific constraints on the scope of change that is permissible from one publication to the next and the degree of interoperability and backward compatibility that should be assumed between products designed to different publications of this standard. There are four levels of change to the specification:

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## Acknowledgements

The SNIA Scalable Storage Management Technical Work Group, which developed and reviewed work in progress, would like to recognize the significant contributions made by the following members:

Broadcom Limited .....	Richelle Ahlvers
Dell Inc. ....	Patrick Boyd
.....	George Ericson
.....	Michael Raineri
.....	Rich Roscoe
Hitachi Data Systems .....	Eric Hibbard
Hewlett Packard Enterprise .....	Jeff Hilland
.....	John Mendonca
Inova Development Inc. ....	Karl Schopmeyer
Intel Corporation .....	Slawek Putyrski
.....	Paul von Behren
Microsoft Corporation .....	Hector Linares
.....	Jim Pinkerton
.....	Michael Pizzo
.....	Scott Seligman
NetApp, Inc. ....	Don Deel
.....	Nilesh Maheshwari
Nimble Storage .....	Chris Lionetti
VMware, Inc. ....	Murali Rajagopal