

# Swordfish Work in Progress Notice

**Version 1.0.2a**

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

**November 8, 2016**

**The following files are included in this Work in Progress Release  
(Swordfish\_v1.0.2a.zip):**

- **Swordfish\_v1.0.2a\_WorkInProgressNotice.pdf (this file)**
- **Swordfish\_v1.0.2\_Mockups.zip**
- **Swordfish\_v1.0.2\_MockupOverview.pdf**
- **Swordfish\_v1.0.2a\_Schema.zip**
- **Swordfish\_v1.0.2\_MockupHowToInstall.pdf**
- **Swordfish\_v1.0.2\_Specification.pdf**
- **Swordfish\_v1.0.2\_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>

Revision	Date	Changes
1.0.2	11/1/16	<p>Errata release v1.0.2</p> <p>Specification and user's guide minor formatting fixes.</p> <p>Clarifications to specification language.</p> <p>Mockups updated to reflect changes in schema.</p> <p>Spec and schema updates:</p> <ul style="list-style-type: none"> <li>• Change multiple collections' types from collections (arrays) to ResourceCollections to conform to Redfish usage guidelines: <ul style="list-style-type: none"> <li>◦ Capacity.CapacitySource ProvidingVolumes, ProvidingPools and ProvidingDrives</li> <li>◦ StorageService.StorageService StorageGroups, ClientEndpointGroups and ServerEndpointGroups</li> </ul> </li> <li>• Change multiple collections' types from collections (arrays) to ResourceCollections to conform to Redfish usage guidelines and move NavigationProperties from Links section: <ul style="list-style-type: none"> <li>◦ EndpointGroup Endpoints</li> <li>◦ FileShare EthernetInterfaces</li> <li>◦ StoragePool ClassesOfService</li> <li>◦ StorageService ClassesOfService</li> </ul> </li> </ul>
1.0.2a	11/8/16	<p>Schema changes to 5 files to fix include directories to specify <a href="http://redfish.dmtf.org/schemas/swordfish/v1">http://redfish.dmtf.org/schemas/swordfish/v1</a> instead of <a href="http://redfish.dmtf.org/schemas/v1">http://redfish.dmtf.org/schemas/v1</a></p> <p>Updated schedule_v1 schema to 8601 format compliance.</p>

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