

Swordfish Technical Position Notice

Version 1.0.3

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SNIA Technical Position

January 24, 2017

**The following files are included in this Technical Position Release
(Swordfish_v1.0.3.zip):**

- **Swordfish_v1.0.3_TechnicalPositionNotice.pdf (this file)**
- **Swordfish_v1.0.3_Mockups.zip**
- **Swordfish_v1.0.3_MockupOverview.pdf**
- **Swordfish_v1.0.3_Schema.zip**
- **Swordfish_v1.0.3_MockupHowToInstall.pdf**
- **Swordfish_v1.0.3_Specification.pdf**
- **Swordfish_v1.0.3_UserGuide.pdf**

USAGE

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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"> • Clarifications to use of Collections vs ResourceCollections and appropriate notation of Read/Write on Collections • Some updates to how LineOfService is represented in ClassOfService (to simplify hierarchy) • Clarifications in File System schemas
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"> • Simplified StorageServices • Updated descriptions and long descriptions • Changed GeographicScope to FailureDomainScope
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"> • General clean up and formatting consistency • Clarify use of StorageGroup • Detail interactions between DefaultValue and Nullable in schema attributes • Set default values for Boolean attributes • Clarify appropriate EntitySet referencing • Improve descriptions for many schema attributes • Replace IsDefault with reference to ClassOfService in StoragePool and StorageService • Align Location with Redfish model • Change time values to conform to ISO 8601 • Collapse TargetEndpointGroup and InitiatorEndpointGroup into EndpointGroup • Property and enumeration deleted from StorageReplicaInfo to remove redundancy with ReplicaSyncType • Add DefaultClassOfService link to StoragePool and StorageVolume in lieu of ClassOfService.IsDefault • Remove invalid measurement annotation from DataProtectionLoSCapabilities • Moved schedule to Redfish <p>User's Guide:</p> <ul style="list-style-type: none"> • General clean up and formatting consistency • A discussion of unused CoS and LoS entries in ServiceCatalog • Improve purpose for many use cases

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"> • Change multiple collections' types from collections (arrays) to ResourceCollections to conform to Redfish usage guidelines: <ul style="list-style-type: none"> ◦ Capacity.CapacitySource ProvidingVolumes, ProvidingPools and ProvidingDrives ◦ StorageService.StorageService StorageGroups, ClientEndpointGroups and ServerEndpointGroups • 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"> ◦ EndpointGroup Endpoints ◦ FileShare EthernetInterfaces ◦ StoragePool ClassesOfService ◦ StorageService ClassesOfService
1.0.2a	11/8/16	<p>Schema changes to 5 files to fix include directories to specify http://redfish.dmtf.org/schemas/swordfish/v1 instead of http://redfish.dmtf.org/schemas/v1</p> <p>Updated schedule_v1 schema to 8601 format compliance.</p>
1.0.3	1/24/17	<p>Schema changes:</p> <ul style="list-style-type: none"> • Move complex types and enum to versioned namespace • Schedule schema: add property • json schema fix (Swordfish to swordfish) <p>Specification enhancements, multiple areas</p> <p>User's guide: multiple new use cases and new document section</p>

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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