

Minimum Swordfish Service Implementation for this Plugfest

Overview

To participate in the January SM Lab plugfest, Swordfish service implementations are expected to support (at a minimum) the functionality defined in this document. This is to set expectations for what Swordfish clients should be able to do with Swordfish service implementations during interoperability testing.

This document does not attempt to define the minimum functionality requirements for integrating with any Swordfish client, or to support any target feature set.

Requirements

Swordfish Service Infrastructure

This section covers the requirements for a Swordfish service implementation that supports the Swordfish Specification v1.0.6 or later.

Requirement Description

- Must support an HTTP based Swordfish API that meets the requirements below
- Must Conform to Redfish Specification Protocol Requirements
- Must support one or more Swordfish services, one per HTTP port

Swordfish Service Implementation

This section covers the requirements for the Swordfish service implementation hosted by the Swordfish service infrastructure.

Requirement Description

Basic logical discovery

- Read operations (GET) are assumed for all elements listed below
- Must present at least one storage system
- Must present at least one storage service
- Must present at least one storage pool
- Must present at least one volume
- Must present at least one class of service. The class of service may be a default class of service with no additional lines of service defined.

Hardware / ecosystem discovery

- Must present at least 1 storage chassis
- Must present at least 1 drive

Basic Management

- Must support Create/Delete/Update operations on StoragePool
- Must support Create/Delete/Update operations on Volume

Simple monitoring

- Must support capacity sources on StoragePool
- Must support capacity sources on Volume
- Must support status and health properties on StorageSystem
- Must support status and health properties on StorageService
- Must support status and health properties on StoragePool
- Must support status and health properties on Volume
- Must support status and health properties on Drive
- Must support status and health properties on Chassis