

SNIA DEVELOPER CONFERENCE



BY Developers FOR Developers

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Let's Build a Swordfish Poller

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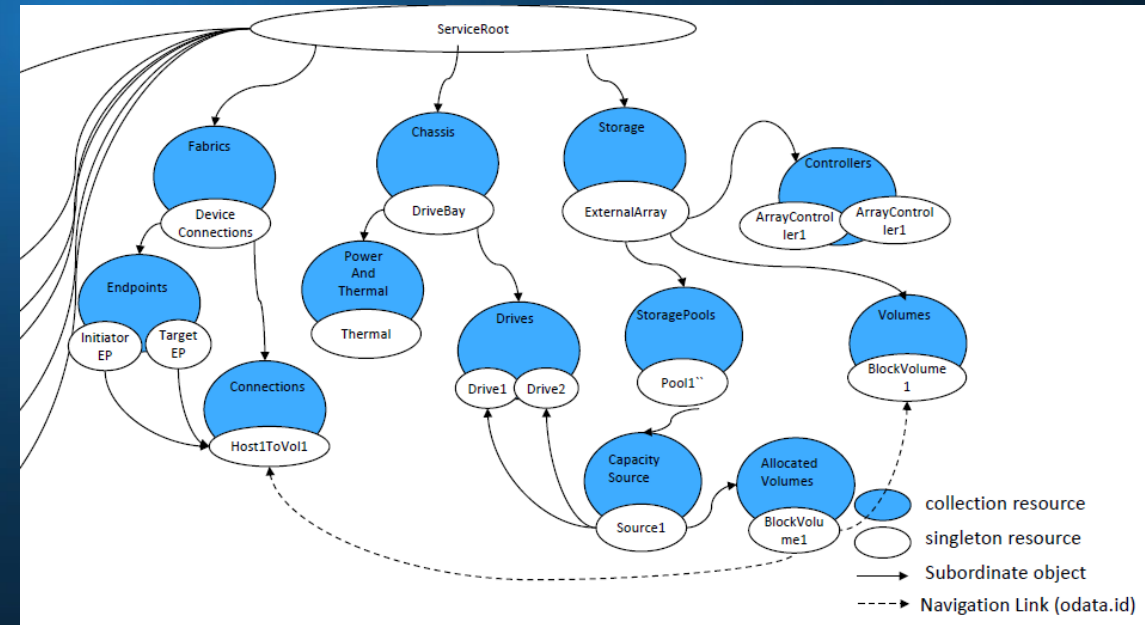


Outline

- What is Swordfish?
- What is a poller?
- What is the purpose?
- What did we do?
- Demo
- Q & A

What is Swordfish?

- SNIA Scalable Storage Management Standard and API
- Swordfish is an extension of the DMTF Redfish Standard for systems Management
- Domain specific for storage systems
 - Block, File, Object
 - Interconnects
 - NVMe/NVMeoF
- See SDC23 Swordfish Overview



What is a poller?

- Data collection tool – makes periodic requests to an endpoint for data
- Physical system details
- Configuration information
- Relationship information
- Error conditions
- Metrics if available
- Basic comparison and alert notification

What is the purpose?

- Use Cases

- Configuration management
- Event Management
- Resource Allocation
- Capacity Planning
- Financial Management – Technology Business Management(TBM)

- Alerts

- Long term data collection

- We build tools for our customers and this requirement comes up frequently – Over 30 unique pollers for a single customer
- Standards based poller results in less effort and better coverage – unique features may be missed but information is consistent

What did we do?

- Modified the Swordfish API emulator to provide a complex target to develop the poller
- Build the polling tool – HTTP/S, python, json
- Collect the data from the target
- Analyze the data and output details of interest based on use cases

Demo

Q & A



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