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NVMeoF Integrator's List Requirements

NVMeoF Integrator's List will accept

- RoCE Initiators and Targets
- Ethernet Switches
- Fibre Channel Initiators and Targets, Switches

Requirements documented in NVMe Integrators List Policy

Document v8.0

NVMeoF Integrator's List Requirements

Requirements for Initiators

1. Pass NVMeoF Interop Tests with 2 Target Interop Partners

Requirements for Switches

1. Pass NVMeoF Interop Tests with 2 Target Interop Partners

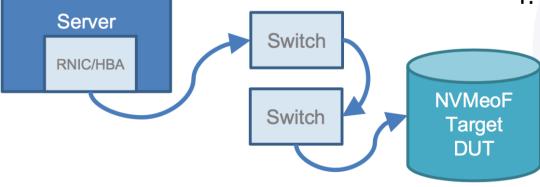
Requirements for Targets

- 1. Pass NVMeoF Interop Tests with 2 Initiator Interop Partners
- 2. Pass NVMe Protocol Conformance 'OF' tests
- 2 Partners could be same HW with different OS/Driver.

NVMeoF Interop Tests

Pass NVMeoF Interop Tests with 2 partners in a multi switch setup.

NVMeoF Interop Test Suite
Document



NVMeoF Interop Tests Summary:

- Discover Target
- 2. Send Traffic
- 3. Link Pull
- 4. Power Up

NVMeoF Tests: NVMe Conformance Tests

- Documented in <u>NVMe</u>
 <u>Conformance Test Suite</u>
 v8.0
- Pass NVMe Protocol Conformance tests marked 'OF' (~60% of Tests)
- Currently verifies NVMe protocol only, no verification of Binding Spec

University of New Hampshire InterOperability Laboratory – NVMe (

Test 1.6 – Format NVM Command (M. OF)

Purpose: To verify that an NVMe Controller can properly execute the Format N

References:

[1] NVMe Specification 5.15

Resource Requirements:

Tools capable of monitoring and decoding traffic on the NVMe interface

Last Modification: July 7, 2016

Discussion: The Format NVM command is used to low level format the NVM wants to change the LBA data size and/or metadata size. A low level format

NVMe over any Transport Software Architecture

Example is for the Fibre Channel transport

