OpenFabrics Alliance
Interoperability Logo Group (OFILG)
February 2013 Logo Event Report

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Date:	April 4, 2013
Report Revision:	1.0
OFED Version on Compute Nodes:	3.5
Operating System on Compute Nodes:	SL 6.3

Enclosed are the results from OFA Logo testing performed on the following devices under test (DUTs):
DataDirect Networks SFA10000
DataDirect Networks SFA12000

The test suite referenced in this report is available at the IOL website. Release 1.46 (2012-Dec-17) was used.

https://www.iol.unh.edu/ofatestplan

The following table highlights the Mandatory test results required for the OpenFabrics Interoperability Logo for the DUT per the Test Plan referenced above and the current OpenFabrics Interoperability Logo Program (OFILP).

Test Procedures	IWG Test Status	Result/Notes
11.1: Link Initialization	Mandatory	PASS
11.2: Fabric Initialization	Mandatory	PASS
11.5: SM Failover and Handover	Mandatory	PASS
11.6: SRP	Mandatory	PASS

Summary of all results follows on the second page of this report.
For Specific details regarding issues, please see the corresponding test result.

Testing Completed March 27, 2013

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Review Completed April 4, 2013

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Result Summary

The Following table summarizes all results from the event pertinent to this IB device class.

Test Procedures	IWG Test Status	Result/Notes
11.1: Link Initialization	Mandatory	PASS
11.2: Fabric Initialization	Mandatory	PASS
11.5: SM Failover and Handover	Mandatory	PASS
11.6: SRP	Mandatory	PASS

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Report Revision History

- v1.0 Initial working copy

Configuration Files

Description	Attachment
Scientific Linux 6.3 Configuration File	📎
OFED 3.5 Configuration File	📎

Result Key

The following table contains possible results and their meanings:

Result:	Description:
PASS	The Device Under Test (DUT) was observed to exhibit conformant behavior.
PASS with Comments	The DUT was observed to exhibit conformant behavior however an additional explanation of the situation is included.
FAIL	The DUT was observed to exhibit non-conformant behavior.
Warning	The DUT was observed to exhibit behavior that is not recommended.
Informative	Results are for informative purposes only and are not judged on a pass or fail basis.
Refer to Comments	From the observations, a valid pass or fail could not be determined. An additional explanation of the situation is included.
Not Applicable	The DUT does not support the technology required to perform this test.
Not Available	Due to testing station limitations or time limitations, the tests could not be performed.
Borderline	The observed values of the specific parameters are valid at one extreme and invalid at the other.
Not Tested	Not tested due to the time constraints of the test period.

DUT and Test Setup Information

Figure 1: The IB fabric configuration utilized for any tests requiring a multi-switch configuration is shown below.
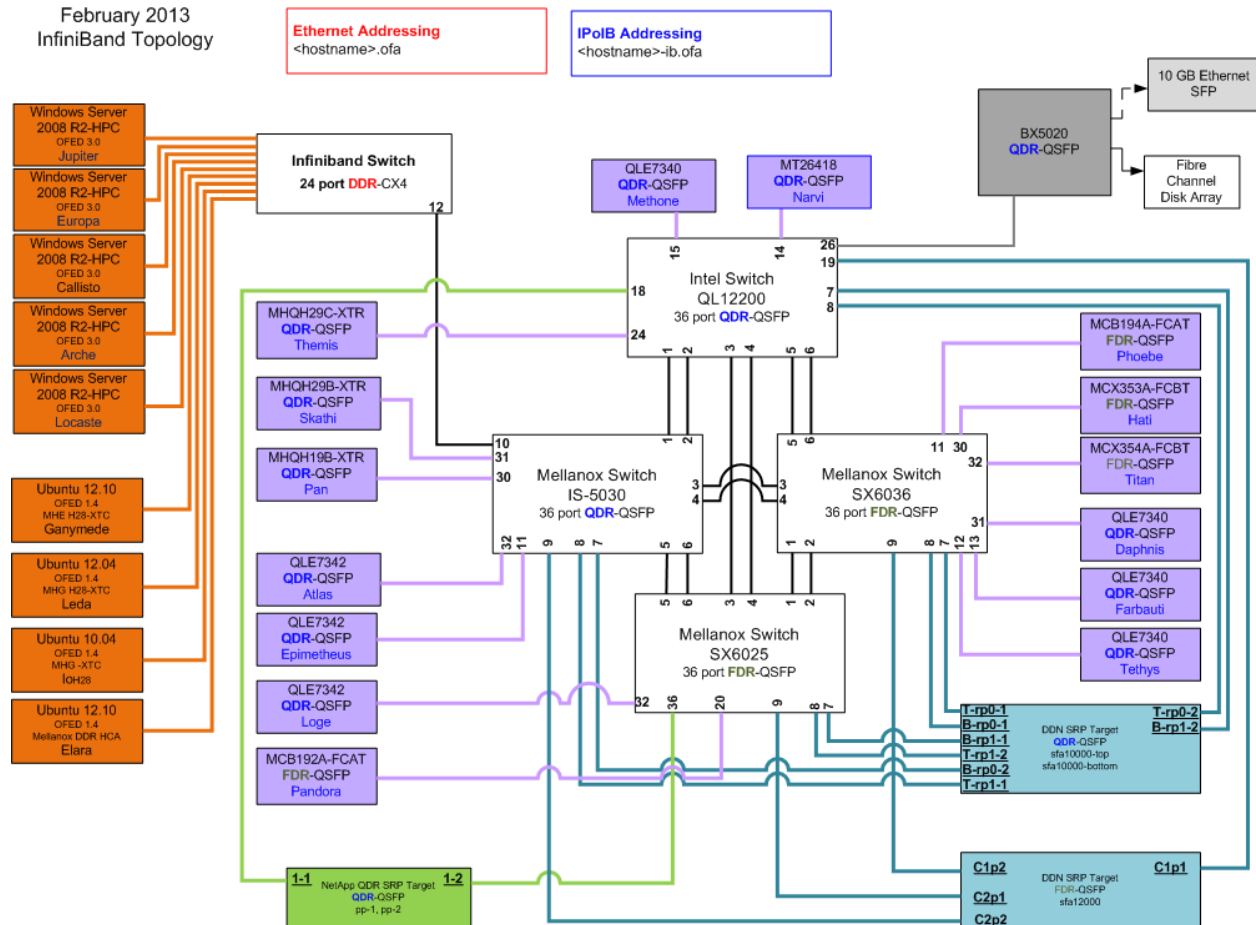
DUT #1 Details			
Manufacturer:	DataDirect Networks	Firmware Revision:	NA
Model:	SFA10000	Hardware Revision:	NA
Speed:	QDR	Located in Host:	NA
Firmware MD5sum:	NA		
Additional Comments / Notes:			

DUT #2 Details			
Manufacturer:	DataDirect Networks	Firmware Revision:	NA
Model:	SFA12000	Hardware Revision:	NA
Speed:	FDR	Located in Host:	NA
Firmware MD5sum:	NA		
Additional Comments / Notes:			

Mandatory Tests – IB Device Test Results:

11.1: Link Initialization

Results	
Part #1:	PASS
Discussion:	
All links established with the DUT were of the proper link speed and width.	

Link Partner		SFA10000	SFA12000
Intel 12200 (Switch) – QDR		PASS	PASS
Mellanox SX6025 (Switch) – FDR		PASS	PASS
Mellanox SX6036 (Switch) – FDR		PASS	PASS
Mellanox IS-5030 (Switch) – QDR		PASS	PASS
DataDirect Networks SFA12000 (SRP Target) – FDR		NA	NA
DataDirect Networks SFA10000 (SRP Target) – QDR		NA	NA
LSI Pikes Peak (SRP Target) – QDR		NA	NA
Mellanox BX5020 (Gateway) - QDR		PASS	PASS
Host: themis	HCA: MHQH29C-XTR (QDR)	PASS	PASS
Host: pan	HCA: MHQH19B-XTR (QDR)	PASS	PASS
Host: skathi	HCA: MHQH29B-XTR (QDR)	PASS	PASS
Host: hati	HCA: MCX353A-FCBT (FDR)	PASS	PASS
Host: titan	HCA: MCX354A-FCBT (FDR)	PASS	PASS
Host: phoebe	HCA: MCB194A-FCAT (FDR)	PASS	PASS
Host: pandora	HCA: MCB192A-FCAT (FDR)	PASS	PASS
Host: atlas	HCA: QLE7342 (QDR)	PASS	PASS
Host: daphnis	HCA: QLE7340 (QDR)	PASS	PASS

11.2: Fabric Initialization

Subnet Manager			
OpenSM	IS-5030 SM	SX-6036 SM	12200 SM
PASS	PASS	PASS	PASS
Result Discussion:			
All subnet managers used while testing with OFED 3.5 were able to correctly configure the selected topology.			

11.5: SM Failover and Handover

Subnet Manager	Result
OpenSM OFED 3.5	**PASS**
Result Discussion:	
OpenSM was able to properly handle SM priority and state rules.	

11.6: SRP

Subnet Manager			
OpenSM	**IS-5030 SM**	**SX-6036 SM**	**12200 SM**
PASS	**PASS**	**PASS**	**PASS**
Result Discussion:			
With the exception of XXXX HCA, core and extended SRP communications between all HCAs and all SRP targets succeeded while the above mentioned SMs were in control of the fabric.			