OpenFabrics Alliance

Interoperability Logo Group (OFILG)

May 2013 Logo Event Report

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Date:	12 July 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):

NetApp Pikes Peak (5468) *NetApp Soyuz (5500)*

The test suite referenced in this report is available at the IOL website. Release 1.47 (2013-Apr-16) was used.

http://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).

Additional beta testing than reflected in this report was performed using the DUT. A separate report will outline those results.

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 08 July 2013

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Digitally signed by UNH-IOL
Date: 2013.07.15 15:38:36 -04'00'

Review Completed 08 July 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	

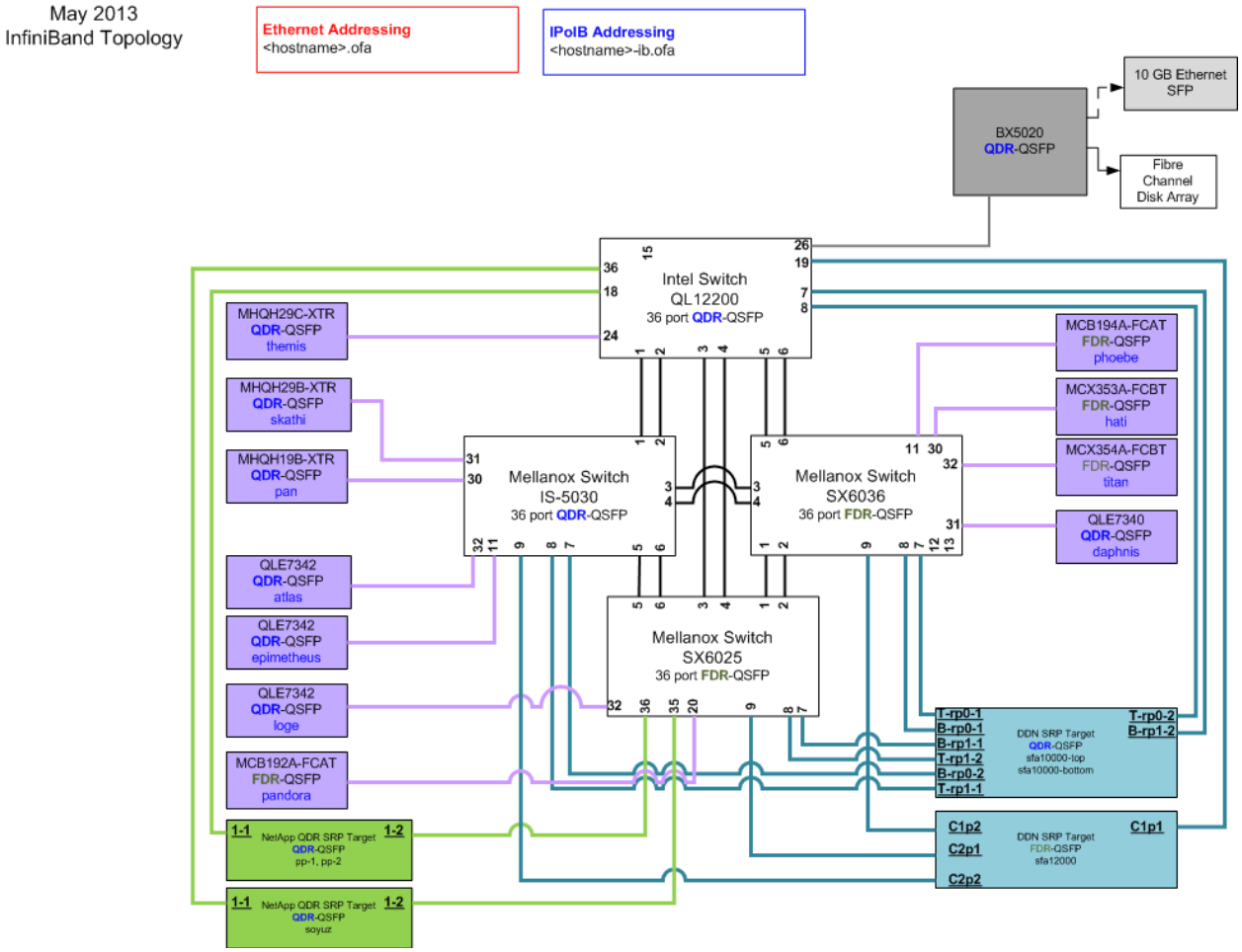
Result Key

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 explination of the situation is included.
Qualified PASS	The DUT was observed to exhibit conformant behavior, with the exception of fault(s) or defect(s) which were previously known.
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:	NetApp	Firmware Revision:	07.86.32.00
Model:	Pikes Peak (5468)	Hardware Revision:	1.0
Speed:	QDR	Located in Host:	NA
Firmware MD5sum:	7842d43dc05552b1291d6097e15bfcc0		
Additional Comments / Notes:			

DUT #1 Details			
Manufacturer:	NetApp	Firmware Revision:	37.86.00.00
Model:	Soyuz (5500)	Hardware Revision:	1.0
Speed:	QDR	Located in Host:	NA
Firmware MD5sum:			
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		Pikes Peak
QLogic 12200 (Switch) – QDR		PASS
Mellanox SX6025 (Switch) – FDR		PASS
Mellanox SX6036 (Switch) – FDR		PASS
Mellanox IS-5030 (Switch) – QDR		PASS
DataDirect Networks SFA12000 (SRP Target) – FDR		NA
DataDirect Networks SFA10000 (SRP Target) – QDR		NA
NetApp Soyuz (SRP Target) – QDR		NA
NetApp Pikes Peak (SRP Target) – QDR		NA
Mellanox BX5020 (Gateway) - QDR		PASS
Host: themis	HCA: MHQH29C-XTR (QDR)	PASS
Host: pan	HCA: MHQH19B-XTR (QDR)	PASS
Host: skathi	HCA: MHQH29B-XTR (QDR)	PASS
Host: titan	HCA: MCX354A-FCBT (FDR)	PASS
Host: hati	HCA: MCX353A-FCBT (FDR)	PASS
Host: phoebe	HCA: MCB194A-FCAT (FDR)	PASS
Host: pandora	HCA: MCB192A-FCAT (FDR)	PASS
Host: atlas	HCA: QLE7342 (QDR)	PASS
Host: daphnis	HCA: QLE7340 (QDR)	PASS

11.2: Fabric Initialization

Subnet Manager	Result
OpenSM	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

SM Pairings	Result
OpenSM	PASS
Result Discussion:	
OpenSM was able to properly handle SM priority and state rules.	

11.6: SRP

Subnet Manager	Result
OpenSM	**PASS**
Result Discussion:	
With the exception of XXXX and YYYY HCAs which do not support SRP operations, core and extended SRP communications between all HCAs and all SRP targets succeeded while OpenSM was in control of the fabric.	