

FCIA-T11 LIAISON Report

August 8, 2017

T11-2017-00254-v000



2017 Plugfests

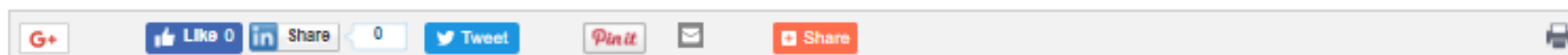
- Successful Plugfest held May 22-25 in conjunction with NVM Express, 10 different companies, 22 attendees
- Pursuing a second Plugfest – Call for participation went out July 25. “Honored FCIA board members have requested the solicitation of your interest in participating in a GEN6 based FC-NVMe Plugfest, to be held at UNH-IOL in October, possibly in concert with the next NVM Express Plugfest.”
 - Broadcom, Brocade, Viavi, Qlogic/Cavium, HPE, Teledyne Lecroy, and Cisco responded - all interested in participating in the plugfest (end of October is better for Cisco)
- **Board will discuss the October participation with UNH-IOL at the board meeting**

FMS Press Release



Fibre Channel-NVM Express® Specification Advanced by the Fibre Channel Industry Association

Visit FCIA Booth #828 at Flash Memory Summit to See a Live NVMe Over Fabrics Technology Demonstration Operated by Multiple Fibre Channel Vendors



August 07, 2017 11:00 ET | Source: Fibre Channel Industry Association

SANTA CLARA, Calif., Aug. 07, 2017 (GLOBE NEWSWIRE) -- In a development that highlights the continued innovation of Fibre Channel technology, the [Fibre Channel Industry Association \(FCIA\)](#) today announced that the Fibre Channel-NVM Express® (NVMe) specification is technically stable and nearing completion of letter ballot comment resolution.

"The ability to transport NVMe over Fibre Channel concurrently with existing SAN traffic allows the massive existing and expanding base of Fibre Channel customers to maximize their investments," said Mark Jones, president, FCIA, and director, Technical Marketing and Performance, Broadcom Limited. "This emerging specification also demonstrates that Fibre Channel is evolving while continuing to offer significant advantages including data reliability and integrity."

Faster Flash with NVMe over Fibre Channel

The next big thing in storage is already here with NVMe, which significantly improves performance by reducing latency and enabling high levels of parallelism. NVMe delivers faster flash storage, internal in the storage arrays, and will soon be available for host connectivity. NVMe is already available and supported today over Fibre Channel.

This week in booth #828 at the [Flash Memory Summit](#), the FCIA is conducting a public demonstration of NVMe over Fibre Channel, showcasing how you can concurrently run applications respectively on a Fibre Channel LUN and an NVMe namespace (NSID) with the same host and HBA at the same time with tools for NVMe traffic capture and decoding. The move to NVMe results in faster application completion times.

Leading Panel of Experts

The FCIA is also hosting Session 303-B at Flash Memory Summit on **Thursday, August 10, 1:30 pm. – 2:45 p.m.** titled "Ultra-Fast NVMe Storage Networks for Next Generation Flash Arrays." Moderated by J Michel Metz, Office of the CTO, Cisco and board member, FCIA, the following panel of data storage experts will examine how NVMe fits into the datacenter using popular storage networking protocols:

- Curt Beckmann, Product Architect for NVMe over Fibre Channel at Brocade
- Raj Lasange, Technical Director, NetApp
- Dennis Martin, Founder/President, Demartek

Profile

Fibre Channel Industry Association

[Subscribe via RSS](#)

[Subscribe via ATOM](#)

[Javascript](#)

Minneapolis, UNITED STATES

<http://fibrechannel.org/>

Contact Data

Media Contact:
Linda Capcara
TechTHINK on behalf of FCIA

Phone: +1.480.229.7090

Association Contact:
Susan Crolla
FCIA Executive Director

Phone: +1.952.564.3059

[Contact](#)

Media Files

Fibre Channel Industry Association



[LOGO URL](#) Copy the link

<http://globenewswire>



FMS 2017 NVMe over Fibre Channel Demonstration

Brocade ➤ G620

 MDS 9706

Emulex Gen 6 LPe32000

QLogic QLE2700 HBAs

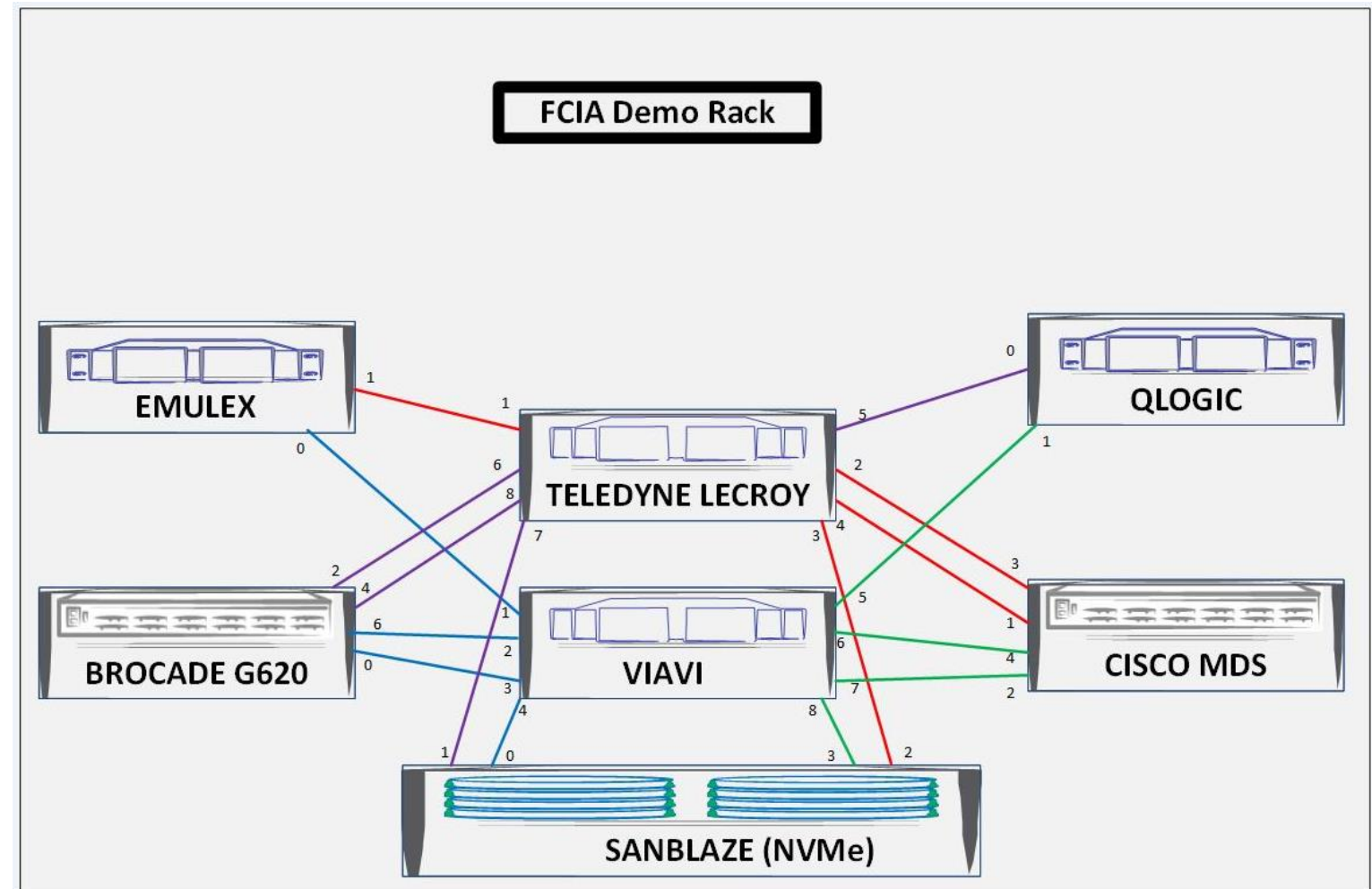
 SierraNet T328 Analyzer

Xgig for FC-NVMe Analysis

SANBlaze Target



NVMe over Fibre Channel
FCIA Technology Demonstration



FCIA Panel Session

Session 303-B is scheduled for Thursday, August 10 from 1:30 pm – 2:45 pm. (Confirmed)

Ultra-Fast NVMe Storage Networks for Next-Generation Flash Arrays :

Shared storage is essential for large-scale applications to provide fast access to huge amounts of storage in a cost-effective, scalable way. Fortunately, NVMe can take full advantage of the unique properties of pipeline-rich, random access, memory-based storage arrays.

The FCIA panel offers unique insight into how to create powerful flash storage networks, including:

- A reference design that shows a simple way to add FC-NVMe to your current infrastructure
- A use case focused on how FC-NVMe can help you share an all flash array to speed up an entire range of applications
- A description of how to extend Fibre Channel prioritization to provide prioritization for virtualized environments
- A discussion of how to take advantage of Fibre Channel Forward Error Correction (FEC) and end-to-end support from purchase through deployment

Moderator: J Metz, Office of the CTO, Cisco Systems and Board Member, FCIA

Panelists:

- Curt Beckman, Product Architect for NVMe over Fibre Channel at Brocade
- Raj Lalsangi, Technical Director, NetApp
- Dennis Martin, Founder/President, Demartek
- Rupin Mohan, Director, R&D, Chief Technologist (SAN), HPE
- Greg Scherer, VP/CTO, Cavium

2017 Solutions Guide - FINISHED



<http://fibrechannel.org/fibre-channel-solution-guide-2017/>

FCIA Webcast Update July 2017

- To date, executed 3 webcasts with a combined total of 1,200+ views
- Built BrightTalk audience to 1,100+ in less than 6 months
- Increased FCIA mailing lists by 46% (now at 1,300+) since Jan. 2017
- Average webcast rating to date is 4.56 (1-5 scale)
- Currently planning and promoting Aug. 29th Deep Dive into NVMe over Fibre Channel (FC-NVMe). Registration strong at 300 one month out
- Next steps to keep momentum going:
 - Continue to promote FC-NVMe webcast including preview blog
 - Finish and post Q&A blogs – have been inconsistent with this to date
 - Plan the 5th FCIA webcast so that we can promote on August 29th

FCIA Webcast – BrightTalk Details

Date	Webcast	Pre-Registrants	Live Attendees	Total Views	Rating Scale 1-5
6/15/17	Fibre Channel Fundamentals	128	65	428	4.8
4/6/17	How to Use the Fibre Channel Speedmap	141	34	186	4.6
2/16/17	Introducing Fibre Channel NVMe	313	107	615	4.3

Industry Conferences 2017

- [Flash Memory Summit](#), August 8-10, 2017, Santa Clara
 - Panel on Thursday, August 10
- [SDC](#), September 11-14, Santa Clara (SNIA 20th Anniversary Celebration)
 - Advanced NVMe tutorial topic, Craig Carlson accepted
 - "Introducing Fibre Channel NVMe " Mon, Sept 11 from 11.35 am - 12.25 pm
 - We will send Solution Guides for display – Celeste will coordinate times to “man” the table
- [Storage Visions](#), October 16, 2017, Embassy Suites, Milpitas (one-day event instead of two) (Not participating)
- [SC'17](#), November 12-17, Denver (not participating)

FCIA Possible Industry Conferences 2018

- [SNIA Annual Members' Symposium](#), Jan TBD, San Jose
- [Creative Storage Conference](#), May TBD, Culver City, Calif.
- [Flash Memory Summit](#), August TBD, 2018, Santa Clara
- [SDC](#), September TBD, Santa Clara
- [Storage Visions](#), October TBD, Embassy Suites, Milpitas
- [SC'18](#), November, TBD

FCIA Meeting Schedule

- June 7, Anchorage, AK, Host Cavium
- June 16, FMS Planning Call
- Aug 9, Providence, RI, Host HPE (Same week as FMS).
 - Need to move marketing meeting, following board call on August 7, afternoon
- October 4, Couer d'Alene, ID, Host FCIA
- December 6, Santa Rosa, CA, Host Brocade