



Next Generation Ethernet: Challenges and Opportunities Deploying 10 Gigabit Ethernet

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Objectives of the Session

- This session will cover the technologies available and deployment challenges in rolling out 10G Ethernet networks. Topics covered include: clouds, virtualization, server platforms, protocols (iSCSI, FCoE, PCIe 3.0), media choices, and SAN/LAN convergence.
- Attendees will gain the latest information about these technologies and decision criteria to guide deployments.

Who is Solarflare

Leading the 10 Gigabit Ethernet Transition

10Xpress® 10GBASE-T PHY

- World's first 10GBASE-T PHY
- Pioneered 10GBASE-T standard
- Highest performance and standards compliant
- Proven, robust, reliable solutions
- Mature architecture – 3rd generation
- Multi-patent protection

Solarstorm® 10GbE vNIC controller

- World's lowest power 10GbE Controller
- Line rate 10GbE performance
- Simple, robust, stateless offload architecture
- Virtualization and iSCSI acceleration
- Offload architecture
- Multi-patent protection

Leadership and Innovation in both MAC and PHY

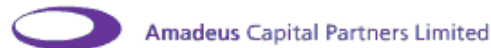


 Acacia Capital Partners

 Anthem
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ACCEL



Panel Introduction

- Andy Bechtolsheim, Founder, CTO and Chairman, Arista Networks
 - **Responsible for overall product development and technical direction of Arista**
 - **Previously Founder and Chief System Architect at SUN, responsible for industry standard server architecture**
- Doug Gourlay, Vice President, Data Center Solutions Group, Cisco Systems
 - **Defines and executes Cisco's global marketing strategy for data center, virtualization and cloud computing**
 - **Has served as senior director of product management for the Nexus Family of Data Center switches and director of product management for the Catalyst® 6500 Series of LAN Switches**
- Jeff Paliga, Director of Global Solutions, Panduit Corporation
 - **Jeff has been in the data communications industry for over 12 years**
 - **He has held positions in research, product design, business development and marketing**
- Russell Stern, President and CEO, Solarflare Communications
 - **Since 2004, President and CEO at Solarflare where in May 2006 he led the merger with UK based controller and virtualization software company Level 5 Networks**
 - **Formerly President and CEO at JNI Corporation, and prior, General Manager and COO at Quantum**

Prospective Questions

- How will server virtualization drive the need for 10G Ethernet connections between switches and servers?
- What is the energy efficiency of various connectivity options: 10GBASE-T, SFP+ twinax copper, SFP+ very short reach SR optics?
- When will servers ship with 10GBASE-T LAN on motherboard and what benefits will such technology deliver to IT and data center managers?
- How widespread will the deployment be of FCoE and iSCSI as protocols on the wire?
- What is cloud networking? Is it just another name for virtualization?



THANK YOU!