Panel:

Making OFED a Fit for Cloud & Virtualization

The Experts…

- ## Dave Durkee, ENKI
  - CEO

- ## Paul Grun, System Fabric Works
  - Chief Scientist

- ## Ronald Luijten, IBM
  - Data Motion Architect

- ## Josh Simons, VMware
  - High Performance Computing, Office of the CTO

- ## Jake Smith, Intel
  - Advanced Server Technologies, Data Center Group

Evolving to the Cloud

Yesterday

Tomorrow

OPEN**FABRICS**
ALLIANCE

HPC Clusters
IB App
Eth Mgmt

MC Database
IB App
Eth Mgmt

HPC

DB

ORACLE
Microsoft SQL Server
IBM DB2

FSI

IPDC

DC

Google Bai nhn ama eBay

Mac Office Microsoft

Enterprise DC
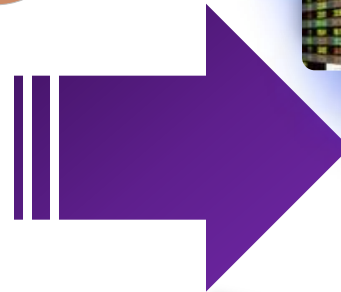Ethernet TCP/IP
Fibre Channel SAN

Virtualized Abstraction

FSI
Low Latency Ethernet TCP/IP

IPDC
Ethernet TCP/IP

Converged Ethernet
TCP/IP + Storage + Low-latency

Unified Networking
Open Standards
IP Management
IP Route-ability

All timeframes, products and dates are subject to change without further notification; Other names and brands may be claimed as property of others.

Questions

- How can hypervisors take advantage of RDMA?

- What are the uses of RDMA beyond clustering?

- Are the RDMA latency requirements for Cloud the same as for HPC?

- What is different about cloud networks vs. traditional datacenter networks?

- Are new APIs required to use OFED in Cloud?

- Is direct assignment via SR-IOV a requirement to take full advantage of Virtualized RDMA?

Better Questions?

- For adoption to begin, we need RDMA support in virtualized environments. How can we enable virtualized RDMA? What are the next steps?

- Are new APIs required to use OFED in Cloud?

- What tools and monitoring capabilities are required for success?

- What other ecosystem development is required?