

Welcome to the InfiniBand Low Latency Technical Forum!

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IBTA and OFA Marketing

September 17, 2007

Moscone Convention Center
San Francisco, CA

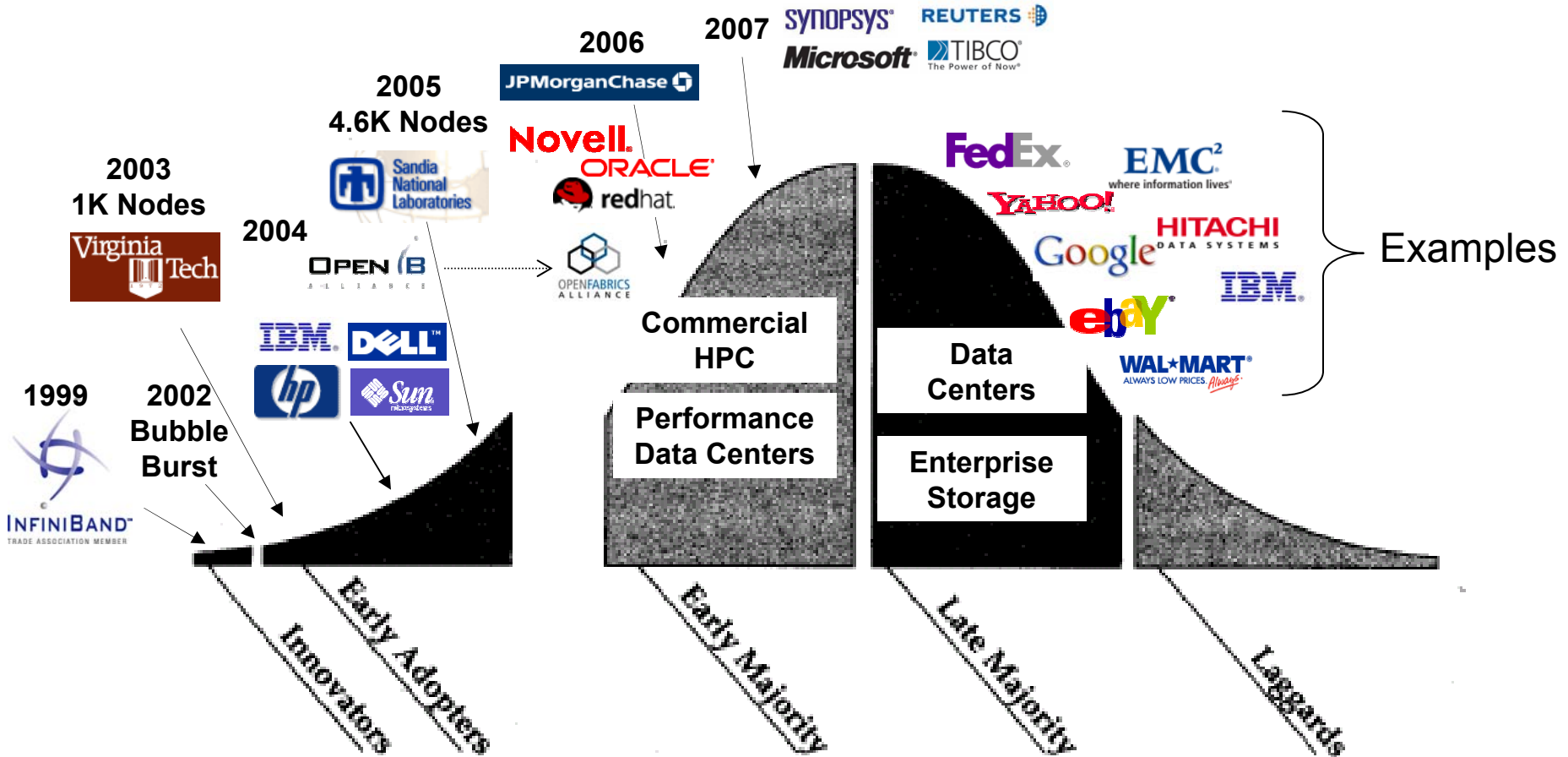


Why We're Here



- Socialize real-world benefits low-latency InfiniBand is delivering today
 - Expanded number of commercial applications
 - Optimization of computing and storage
 - Software, hardware and cabling
- Hear real end-user deployment experiences
- Network and collaborate on future needs
- Ask questions & get the most out of your day!

Technology Adoption Cycle



Crossing the Chasm (Geoffrey Moore)

InfiniBand Leadership

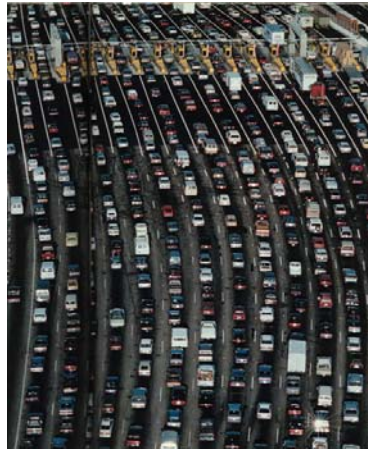


- Designed to be implemented in silicon
 - Industry-Standard SW and HW Solutions
 - Lowest power per Gb/s bandwidth
 - 10/20Gb/s → 40Gb/s node-to-node
 - 30/60Gb/s → 120Gb/s switch-to-switch
 - Efficient, scalable and reliable
 - Service Oriented I/O
 - QoS, Virtualization and I/O consolidation
- ...and of course, low latency!

What Delivers Better Latency?



490hp Ferrari



or



1hp Moped

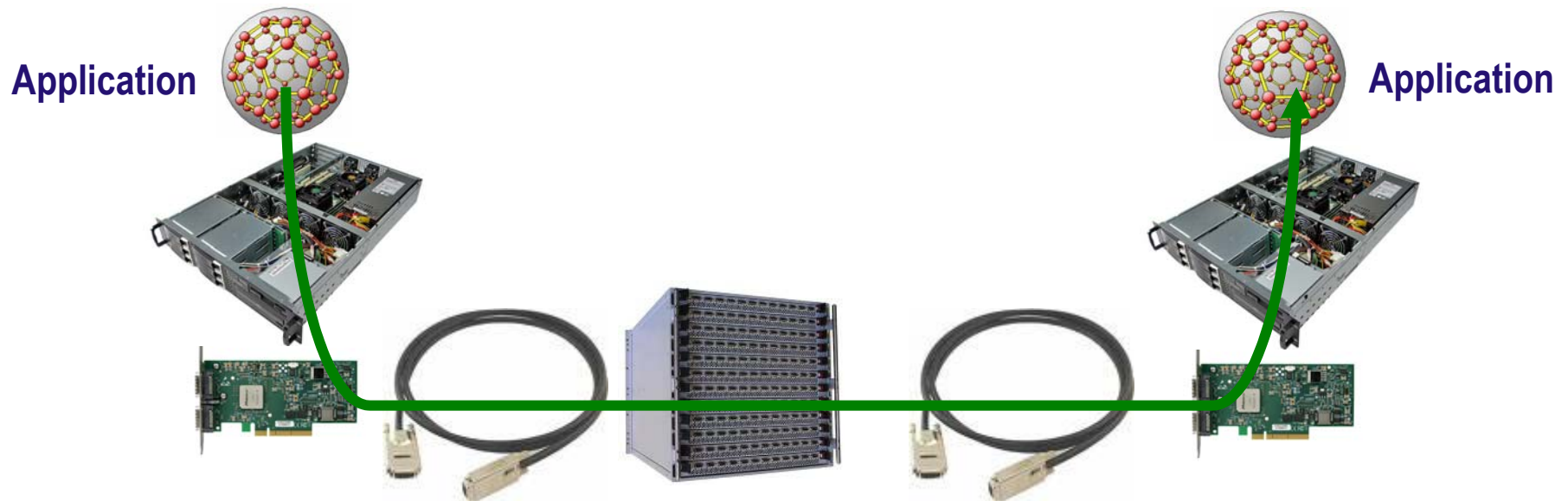


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Depends on many other factors!

Application Latency

- Data transfer time between applications on different servers (one direction)
 - ~1.X μ s over IB depending on # switch hops, etc.



InfiniBand delivers the best application latency in the industry!

Virtually All Markets Benefit from Real Time Response



- Government and Educational Research
- Fluid Dynamics and CAE
- Bio and Geosciences
- Financial Markets
- Database
- Electronic Design Automation
- Customer Relationship Management
- Healthcare
- Web/Retail services

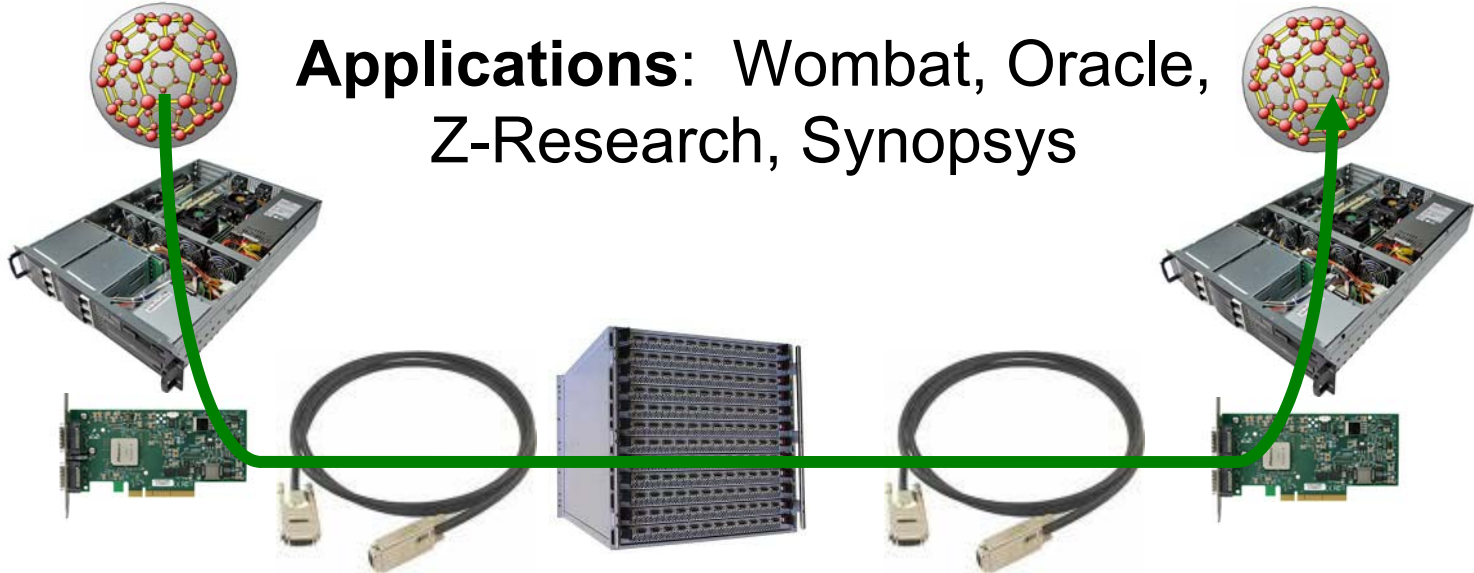
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- Ever increasing amounts of data to be processed, stored and recalled
- No one likes to wait!
- InfiniBand's flexibility accelerates time to re-provision resources

Today's Program

End Users: Wachovia, Oak Ridge National Labs, Stanford Manufacturing Group, Alexa Internet

Applications: Wombat, Oracle, Z-Research, Synopsys



InfiniBand Infrastructure:

Cisco, Mellanox, QLogic, Voltaire

Cabling: Gore, Intel

Industry Groups: InfiniBand Trade Association, OpenFabrics Alliance

Logistical Issues



- Unless...
 - It's about a **BIG** InfiniBand order
 - It's about any InfiniBand order
- Restrooms located outside in the hallway
- Wireless access and laptop power provided
- Please fill out the feedback form before you leave

TIME		PRESENTATION	SPEAKER(S)
8:00 AM	8:30 AM	Registration and continental breakfast	
8:30 AM	8:45 AM	Opening remarks	Thad Omura, Mellanox
8:45 AM	9:15 AM	Platform Directions at Wachovia (Platform Fabrics / Processor Arrays)	Jacob Hall, Wachovia
9:15 AM	9:45 AM	Financial services ISV - Wombat Financial Software	Ken Barnes, Wombat Financial Software
9:45 AM	10:30 AM	End user case study regarding Oracle installation on InfiniBand	Paul Tsien, Oracle
10:30 AM	10:45 AM	BREAK	
10:45 AM	11:15 AM	InfiniBand Trade Association update OpenFabrics Alliance update	Lloyd Dickman, Qlogic Jim Ryan, Intel
11:15 AM	11:45 PM	Oak Ridge National Lab's Use of InfiniBand as a High Speed LAN Interconnect	Makia Minich, Oak Ridge National Lab
11:45 PM	12:45 PM	LUNCH	
12:45 PM	1:15 PM	Enormous Computational Demands in Flow and Quantum Physics	Steve Jones and Masoud Aryanpour, Stanford Manufacturing Group
1:15 PM	1:45 PM	The Need for Scalable Clustered File Storage	Anand Babu and Hitesh Chellani, Z Research
1:45 PM	2:15 PM	Latency of Passive and Active Copper Interconnects for Use in InfiniBand DDR Compliant Systems	Dave Blake, W.L. Gore & Associates
2:15 PM	2:45 PM	The Contribution of Intel(R) Connects Cables in Enabling Low Latency Computing	Tom Willis, Intel
2:45 PM	3:00 PM	BREAK	
3:00 PM	3:30 PM	Efficient Web Search Performance and Storage Capacity Scaling Using NFS-RDMA and InfiniBand	Dr. Ekechi Nwokah, Alexa Internet
3:30 PM	4:00 PM	IBTA vendor presentations- Cisco and Voltaire	Roy Kim, Cisco Brian Forbes, Voltaire
4:00 PM	4:30 PM	Speeding EDA Design Cycles	Glenn Newell, Synopsys
4:30 PM	5:00 PM	IBTA vendor presentations - Mellanox, QLogic	Thad Omura, Mellanox Lloyd Dickman, Qlogic
5:00 PM	5:15 PM	Wrap up	Thad Omura, Mellanox
5:15 PM	6:15 PM	Cocktail reception	

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