

# MANAGING WITH INTELLIGENCE

Moab Con 2011

Day 1: Tuesday, May 10

Start	End	Room	Event		
8:00	9:00	Aspen	Breakfast		
8:50	9:10	Aspen	<b>Welcome Address</b> <i>Michael Jackson, President, Adaptive Computing</i> <i>Robert Clyde, CEO, Adaptive Computing</i>		
9:10	10:00	Aspen	<b>Keynote Address: Open Internal Cloud – One Year Later</b> <b><i>Moving from Infrastructure as a Service to Platform as a Service and Beyond</i></b> <i>Prentice Dees, Bank of America</i>		
Concurrent Sessions			<i>Track 1— Moab Essentials</i> Room: Amphitheater	<i>Track 2—Enterprise Cloud</i> Room: Cedar	<i>Track 3—Moab Deep Dive</i> Room: Birch
10:10	10:40		Basic TORQUE Installation <i>Trev Harmon, Adaptive Computing</i>	So, You Want to Build an Internal Cloud <i>John Becsi, Bank of America</i>	Using Quality of Service for Scheduling on Cray XT Systems <i>Troy Baer, National Institute for Computational Sciences, University of Tennessee</i>
10:50	11:20		Basic Moab Installation <i>Trev Harmon, Adaptive Computing</i>	Why Set Up a Cloud in a Data Center? <i>Scott Bateman, Adaptive Computing</i>	Bright Cluster Manager and Moab: Maximum Productivity; Minimum Complexity <i>Dr. Matthijs van Leeuwen, Bright Computing</i>
11:30	12:20		The Generics—Resources, Metrics and Events <i>Trev Harmon, Adaptive Computing</i>	How to Set Up a Cloud in a Data Center (Tutorial) <i>Scott Bateman, Adaptive Computing</i>	Viewpoint Tutorial for HPC <i>Nick Ihl, Adaptive Computing</i>
12:30	1:15	Aspen	Lunch		
1:20	2:00	Aspen	<b>Keynote Address: Innovations in Windows HPC Server 2008 R2</b> <i>Brent Farr and Mike Long, Microsoft</i>		
2:10	2:50	Aspen	<b>Time with Moab Engineers</b>		
Concurrent Sessions			<i>Track 1— Moab Essentials</i> Room: Amphitheater	<i>Track 2—Enterprise Cloud</i> Room: Cedar	<i>Track 3—Moab Deep Dive</i> Room: Birch
3:00	3:50		Credentials and Usage Limits <i>Trev Harmon, Adaptive Computing</i>	Static vs. Dynamic Cloud <i>Stephen McQuay, Adaptive Computing</i>	GPGPU Demo <i>Brian Christiansen and John Rosenquist, Adaptive Computing</i> <i>*Session repeated Thursday</i>
4:00	4:40		Moab Diagnostics <i>Trev Harmon, Adaptive Computing</i>	Technical Deep Dive into Windows HPC Server 2008 R2 <i>Mike Long, Microsoft</i>	Moab 6.0 <i>David Hill, Adaptive Computing</i> <i>*Session repeated Thursday</i>
4:40	4:50	Aspen	Networking Break – Snacks and Drinks Available		
5:00	5:40	Amph	<b>Panel: Emerging Industry Trends for Enterprise Cloud and HPC</b>		
5:40	6:30	Aspen	<b>Time with Moab Engineers</b>		
7:00	9:30	Aspen	Networking Dinner (Open bar and soft drinks, 7:00-8:00; Dinner, 8:00)		

# MANAGING WITH INTELLIGENCE

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Day 2: Wednesday, May 11

Start	End	Room	Event		
7:30	8:30	Aspen	Breakfast		
8:30	8:40	Aspen	<b>Welcome</b>		
8:40	9:30	Aspen	<b>Keynote Address: Science in the Cloud</b> <i>Shane Canon, National Energy Research Scientific Computing Center, Lawrence Berkeley National Laboratory</i>		
Concurrent Sessions			<i>Track 1— Moab Essentials</i> Room: Amphitheater	<i>Track 2—Enterprise Cloud</i> Room: Cedar	<i>Track 3—Moab Deep Dive</i> Room: Birch
9:40	10:30		Priority and Fairshare <i>Trev Harmon, Adaptive Computing</i>	Allocation Chargeback and Usage Accounting with Gold <i>Scott Jackson, Adaptive Computing</i>	ODBC Database Integration <i>Tim Shaw, Adaptive Computing</i>
10:40	11:30		Reservations, Part I <i>Douglas Wightman, Adaptive Computing</i> <i>*Session repeated Thursday</i>	Viewpoint for Cloud and Data Center <i>Nathan Wells, Adaptive Computing</i>	TORQUE 4.0 <i>Ken Nielson, Adaptive Computing</i>
11:40	12:20		Reservations, Part II <i>Douglas Wightman, Adaptive Computing</i> <i>*Session repeated Thursday</i>	Running an HPC Cloud with Scyld ClusterWare and Moab/TaskMaster <i>Arend Dittmer, Penguin Computing</i>	MASSIVE: Hybrid and GPU Cluster for Large-Scale Science and Visualization <i>Matthew Wallis, Victorian Partnership for Advanced Computing</i>
12:30	1:20	Aspen	Lunch		
1:20	2:10	Aspen	<b>Keynote Address: Transforming Your IT Environment to a Dynamic Automated Cloud</b> <i>Thomas Goepel, Director of Product Management, Cloud Service Automation, HP Software</i>		
2:20	3:00		<b>Time with Moab Developers</b>		
Concurrent Sessions			<i>Track 1— Moab Essentials</i> Room: Amphitheater	<i>Track 2—Enterprise Cloud</i> Room: Cedar	<i>Track 3—Moab Deep Dive</i> Room: Birch
3:10	3:40		Node Allocation Policies <i>Trev Harmon, Adaptive Computing</i>	Image Processing and Service-Oriented Workloads: Challenges, Solutions, and Future Directions <i>Jason Bucholtz, Digital Globe</i>	Computing at LBNL <i>Jacqueline Scoggins, Lawrence Berkeley National Lab</i>
3:50	4:20		Managing Diverse Scheduling Requirements with a Single Scheduler Instance <i>Lloyd Brown, Brigham Young University</i>	Viewpoint for Cloud and Data Center <i>Nathan Wells, Adaptive Computing</i>	GPU-Powered Supercomputing <i>Alanna Dwyer, HP</i>
4:20	4:30	Aspen	Networking Break – Snacks and Drinks Available		
4:40	5:20		Triggers <i>Trev Harmon, Adaptive Computing</i>	Simplifying Cloud Management with Moab and xCAT <i>Steven Hurst, Adaptive Computing</i>	Maximizing the Benefits of HPC Investments: Integrating Moab with QLogic InfiniBand <i>Bill Webster, QLogic</i>
5:20	6:30	Aspen	<b>Time with Moab Engineers</b>		
7:00	9:30	Lobby	<b>Q&amp;A Dinner</b> with Adaptive Computing developers, account managers, and executives <i>*Meet in South Tower lobby outside of the Aspen room. We will travel to various restaurants.</i>		

# MANAGING WITH INTELLIGENCE

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## Day 3: Thursday, May 12

Start	End	Room	Event		
7:30	8:30	Aspen	Breakfast		
8:30	8:40	Aspen	<b>Welcome</b>		
8:40	9:25	Aspen	<b>Roadmap Presentation</b> <i>Greg Fairbanks, Senior Director of Product Management, Adaptive Computing</i>		
9:25	9:40	Aspen	<b>Demonstration: Moab 6.1 Sneak Peek</b> <i>Douglas Wightman, Moab Product Architect, Adaptive Computing</i>		
Concurrent Sessions			<i>Track 1— Demonstrations</i> Room: Amphitheater	<i>Track 2—Moab Essentials</i> Room: Cedar	<i>Track 3—Moab Deep Dive</i> Room: Birch
9:50	10:30		GPGPU Demo <i>Brian Christiansen and John Rosenquist, Adaptive Computing</i>	TORQUE BoF <i>Ken Nielson, Adaptive Computing</i>	Optimizing Memory, Networking, Power and Performance to Maximize Your High-Performance Computing Solution with Moab <i>Gaurav Chaudhry, IBM</i>
10:40	11:30		Moab Adaptive Computing Suite Cloud Demo <i>Scott Bateman, Adaptive Computing</i>	Reservations, Part I <i>Douglas Wightman, Adaptive Computing</i>	How We Use Moab's Green Technology to Save Electricity <i>Alan Reed, University of Birmingham</i>
11:40	12:20		Moab Adaptive HPC Suite Demo <i>Shawn Hoopes, Adaptive Computing</i>	Reservations, Part II <i>Douglas Wightman, Adaptive Computing</i>	Moab 6.0 <i>David Hill, Adaptive Computing</i>
12:30	12:50	Aspen	<b>Closing Remarks</b> <i>Lane Franks, VP of Operations, Adaptive Computing</i>		
12:50	2:00	Aspen	<b>Time with Moab Engineers</b>		