

2013 OpenFabrics IBUG Workshop

The OFA User Day Workshop held on April 18-19, offered a 2-day workshop with sessions related to understanding, implementing and administering OpenFabrics Software and the underlying hardware. This unique event brought together OpenFabrics Software (OFS) users and provided them with a setting to talk with each other about the challenges, and different opportunities in using OFS.

Susan Coulter, HPC Network Administrator at Los Alamos National Laboratory, spear-headed this year's event and brought together an impressive line-up of speakers that included, Dave McMillen, Storage Architect at Cray, Inc., Blake Caldwell, HPC Systems Administrator with Oak Ridge National Laboratory, and, Florent Parent, Director of Operations, Site de l'Université Laval, Calcul Québec, as well as, other past participants and OFS design experts.

Time	Date/Topic
	Thursday, April 18
12:00 PM	Check-In / Badge Pickup San Carlos III Ballroom Foyer
	Training - OFA Support for Users
1:00 PM	Welcome / Opening Remarks Susan Coulter/LANL
1:00 PM	RDMA Architectural presentation Presenter: Rupert Dance/Software Forge OFA_Intro_RDMA_2013-04-18-v6.pptx
2:00 PM	RDMA Programming Concepts Presenter: Dr. Bob Russell/UNH-IOL
3:30 PM	Fabric Administration training classes, opportunities Presenter: Rupert Dance/Software Forge InfiniBand Fabric Admin-2013-04-18-v4
4:30 PM	OFILG - OFA Interop Program Presenter: Edward Mossman/UNH-IOL
5:00 PM	iWARP - RDMA over Ethernet Presenter: Tom Reu/Chelsio
	Friday, April 19
	Storage
8:30 AM	Welcome / Opening Remarks Susan Coulter/LANL

Time	Date/Topic
9:00 AM	Storage Area Networks Presenter: Blake Caldwell/ORNL
9:30 AM	NFS over RDMA Presenter: Jeff Becker/NASA
10:00 AM	Storage at a Distance Presenter: Jason Hick/NERSC
Fabric Management	
11:00 AM	Performance Metrics/Testing Presenter: Susan Coulter/LANL
11:30 AM	Practical Monitoring Presenter: Susan Coulter/Blake Caldwell/DOE
12:00 PM	SM/SA Functionality Presenter: Hal Rosenstock /Mellanox
2:00 PM	Routing verification tools - ibdmchk, ibsim, etc. Presenter: Dave McMillen/Cray
2:30 PM	DHCP/PXE Boot over IB Presenter: Florent Parent/Calcul Quebec
Application Support	
3:00 PM	Sockets over RDMA - Rsockets Presenter: Sean Hefty/Intel
3:20 PM	Sockets over RDMA - EXS Presenter: Dr. Bob Russell/UNH-IOL
3:40 PM	Sockets over RDMA - SMC-r Presenter: Jerry Stevens/IBM
4:30 PM	IB Multicast - uses, IPoIB arp Presenter: Dave McMillen/Cray
5:00 PM	Big Data Presenter: Eyal Gutkind/Mellanox
5:30 PM	Partitions - what applications need partitions Presenter: Dave McMillen/Cray
Service Delivery	
6:00 PM	Cloud and OFS Presenter: Narayan Desai/ANL