WinOF Interoperability Program

The OFA IWG mission is defined by the Charter agreement. The primary focus of the group is to develop interoperability procedures to test all new features introduced into the OFA Software Stacks. The OFA Interoperability Logo Program (OFILP) demonstrates to end users in both HPC and Enterprise community that the products that use the OFED stack are well tested and interoperable. The OFA IWG chose UNH-IOL to host the OFA Cluster and conduct the Interoperability Tests.

The OFA Interoperability Working Group (IWG) started the WinOF Interoperability program in the first Quarter of 2009. The OFA IWG decided to base the program on the existing test suite for IB devices using OFED. So the first task was to indentify tests that were supported by WinOF and could be updated for the May 2009 OFA Interop Event. Members of the IWG, the WWG and Microsoft worked together to produce the first test plan that tested WinOF. This test plan included the following tests:

- IB Link Initialize
- IB Fabric Initialization
- IB IPoIB Datagram Mode
- IB SM Failover/Handover
- IB SRP
- TI uDAPL
- TI MPI – Intel

The following documents are available on the UNH-IOL site and explain the program in detail:

- Members of the OFA Interoperability Logo Group (OFILG)
- OFA Logo Program (OFILP)
- Interoperability Test Plan
- Equipment available in the OFA-UNH-IOL Cluster
- Interoperability Logo List

In May 2009, with the help of Eric Lantz and Fab Tiller, UNH-IOL assembled a Windows Cluster with 8 compute nodes and one head node. The Beta test plan was executed and the results were successful for many of the tests. There were some problems noted that we expect to be resolved with the release of WinOF 2.1. Because these were Beta procedures, there will be no Logo List generated for May 2009 but we expect to conduct full scale testing for the Fall 2009 Interop Event. We have generated a list of tests we would like to promote to Mandatory status for this event and that document is available separately.