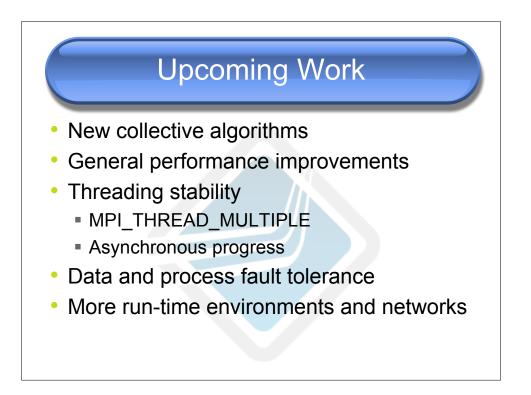
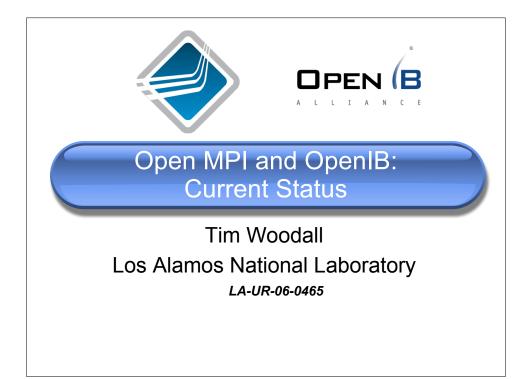
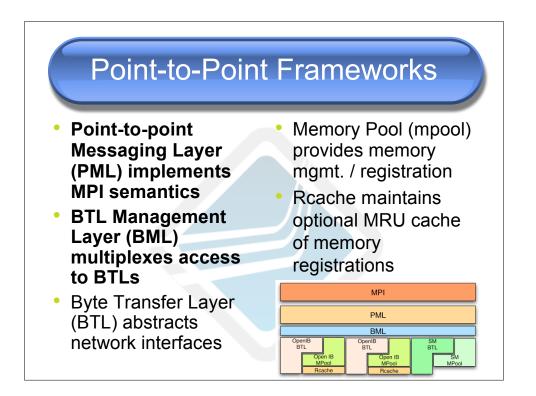


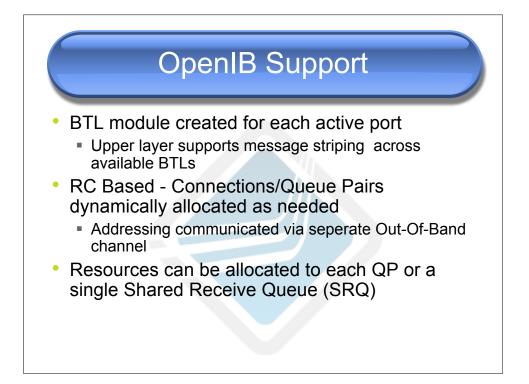
Current Status

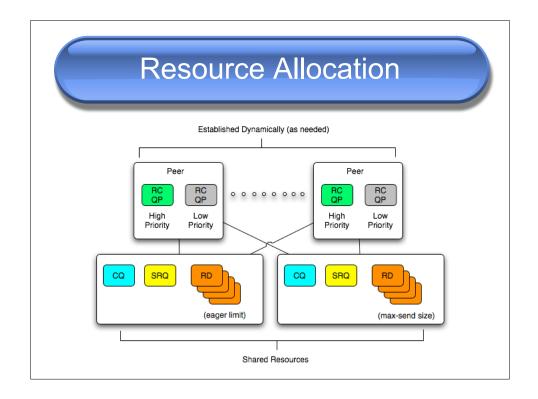
- v1.0 released November, 2005
- Supported networks
 - OpenIB, mVAPI, GM, MX, TCP, Portals, shared memory
- Supported run-time environments
 - SLURM, PBS / Torque, BProc, rsh / ssh, Yod, Xgrid, POE, BJS





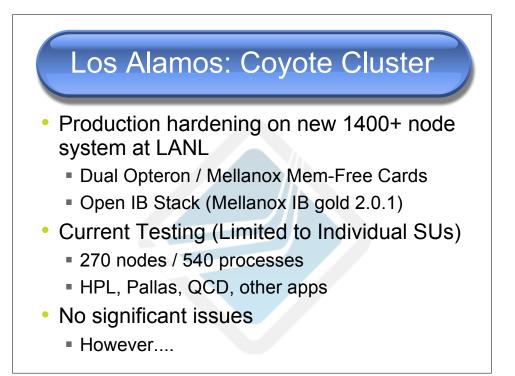


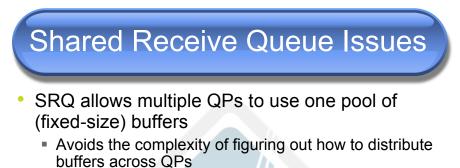




OpenIB Planned Support ('06)

- Connection establishment via CM / SA Services
- Optional short message RDMA Write (small working set of peers)
- Multicast-based collectives
- Data Reliability / NIC failover
- UD based BTL (Sandia Livermore)
 - Explore scalability and performance
 - Leverage data reliability





- Does not help determine
 - Appropriate number of buffers
 - Appropriate size of buffers
- These are highly dependent on application behavior
 - Application message passing patterns are not fixed
 - Dependent on input data, number of processes, application algorithm, etc.
- Lack of flow control requires complexity in MPI to ensure that buffers will always be available

