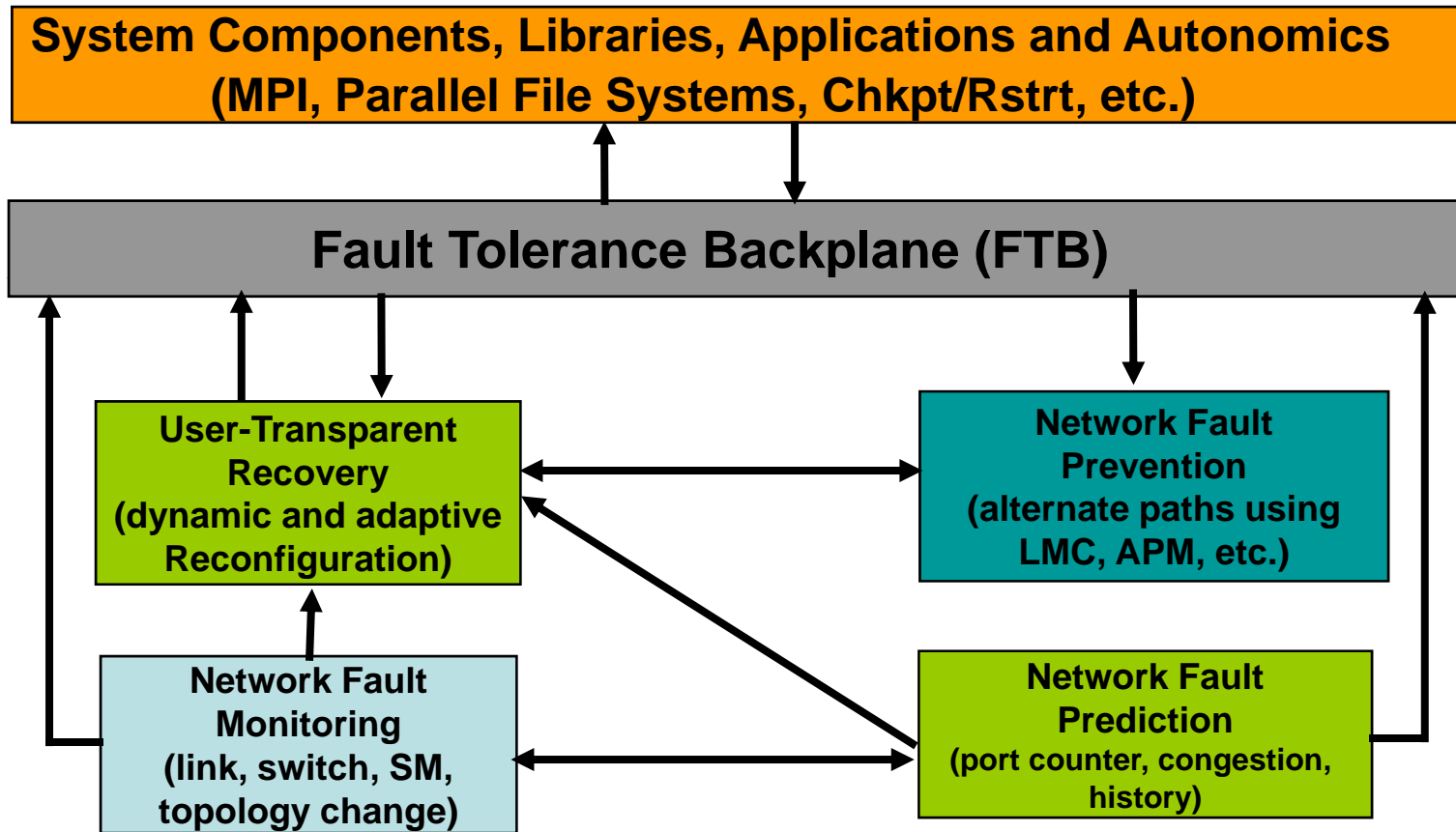


FTB-Enabled InfiniBand Monitoring Software

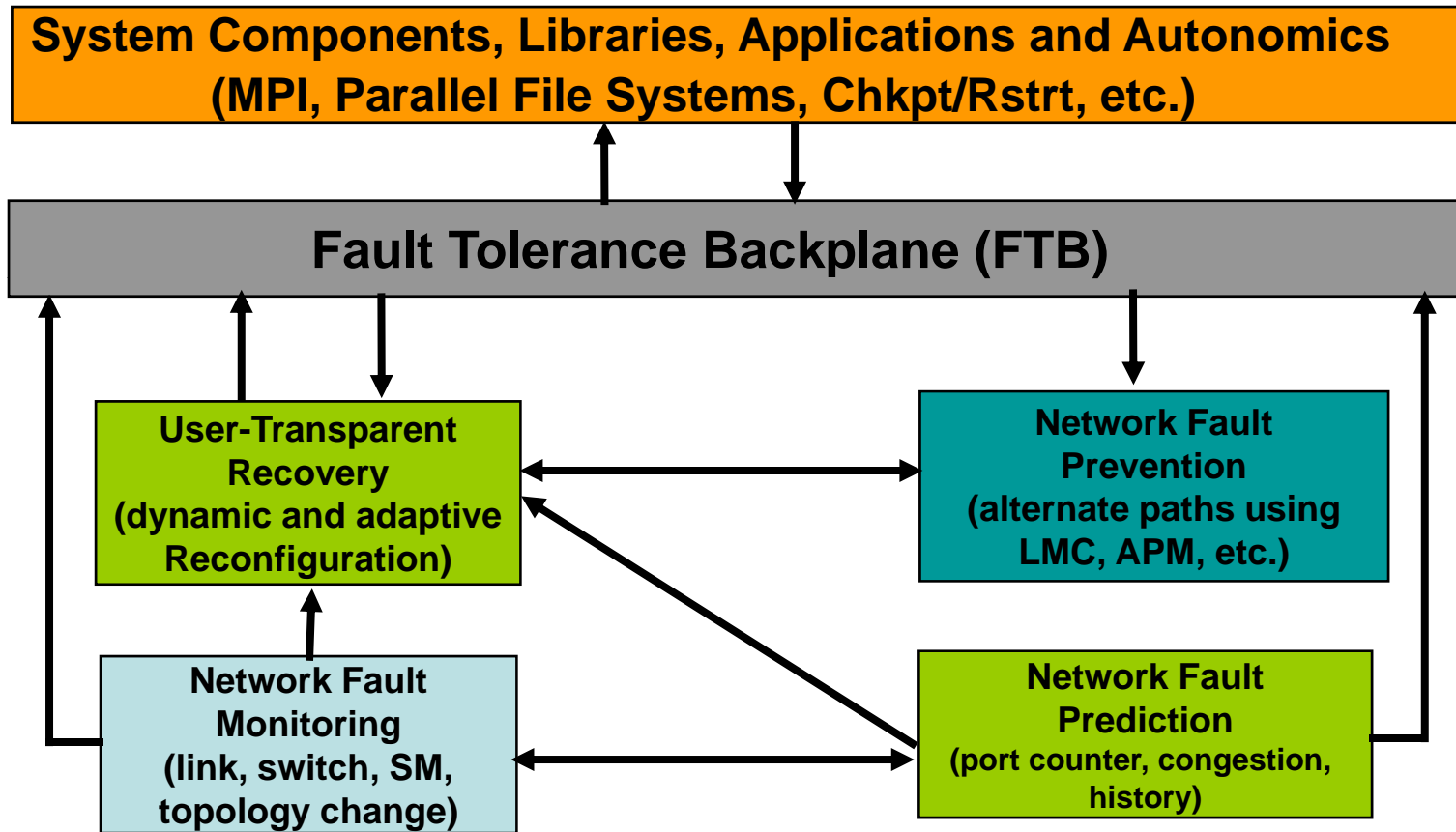
Karthik Gopalakrishnan
Ohio State University



InfiniBand and FTB: Current State and Future Plans



InfiniBand and FTB: Current State and Future Plans



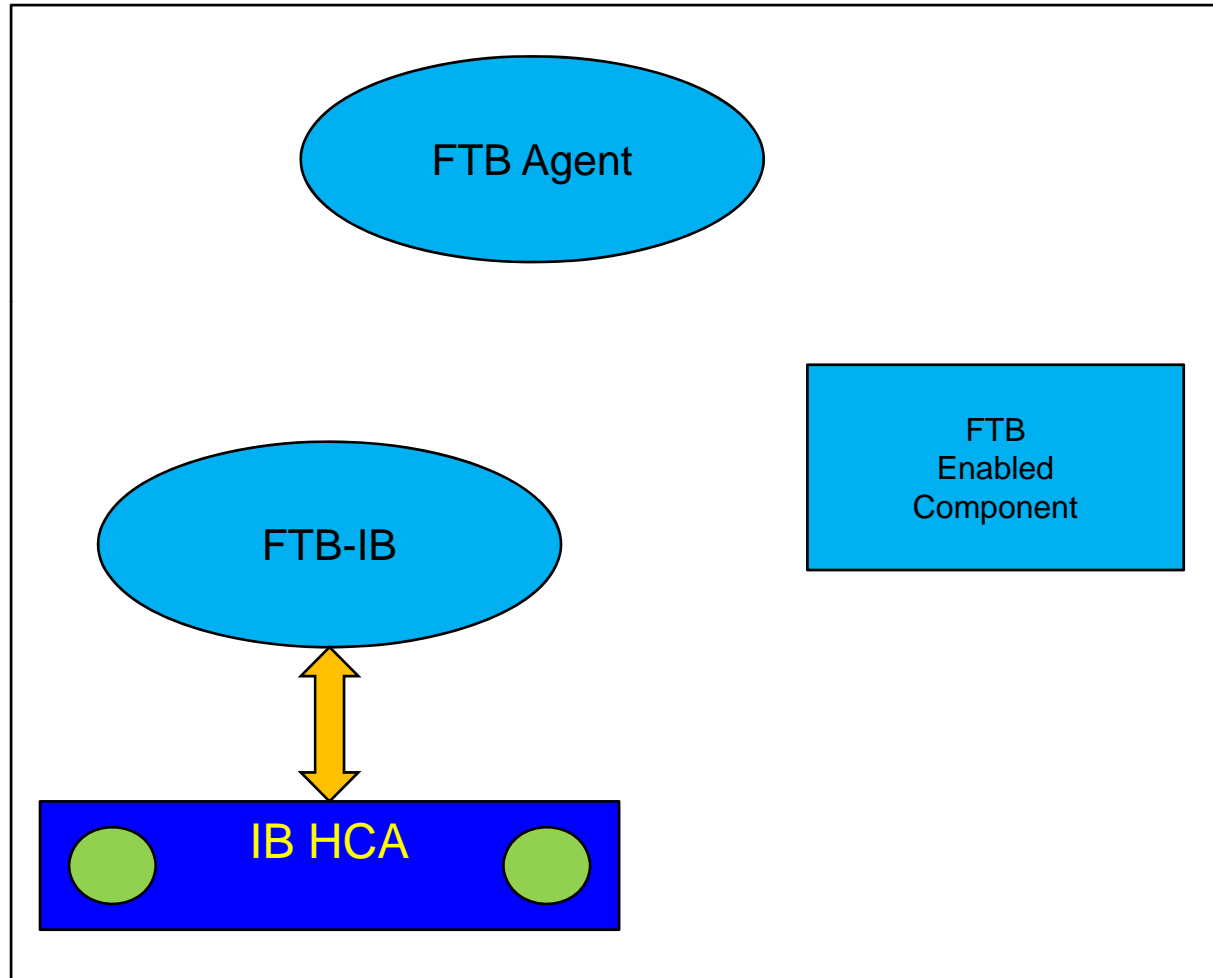
FTB-IB 1.0
Release done
on 11/10/08

Fault Tolerant InfiniBand Component

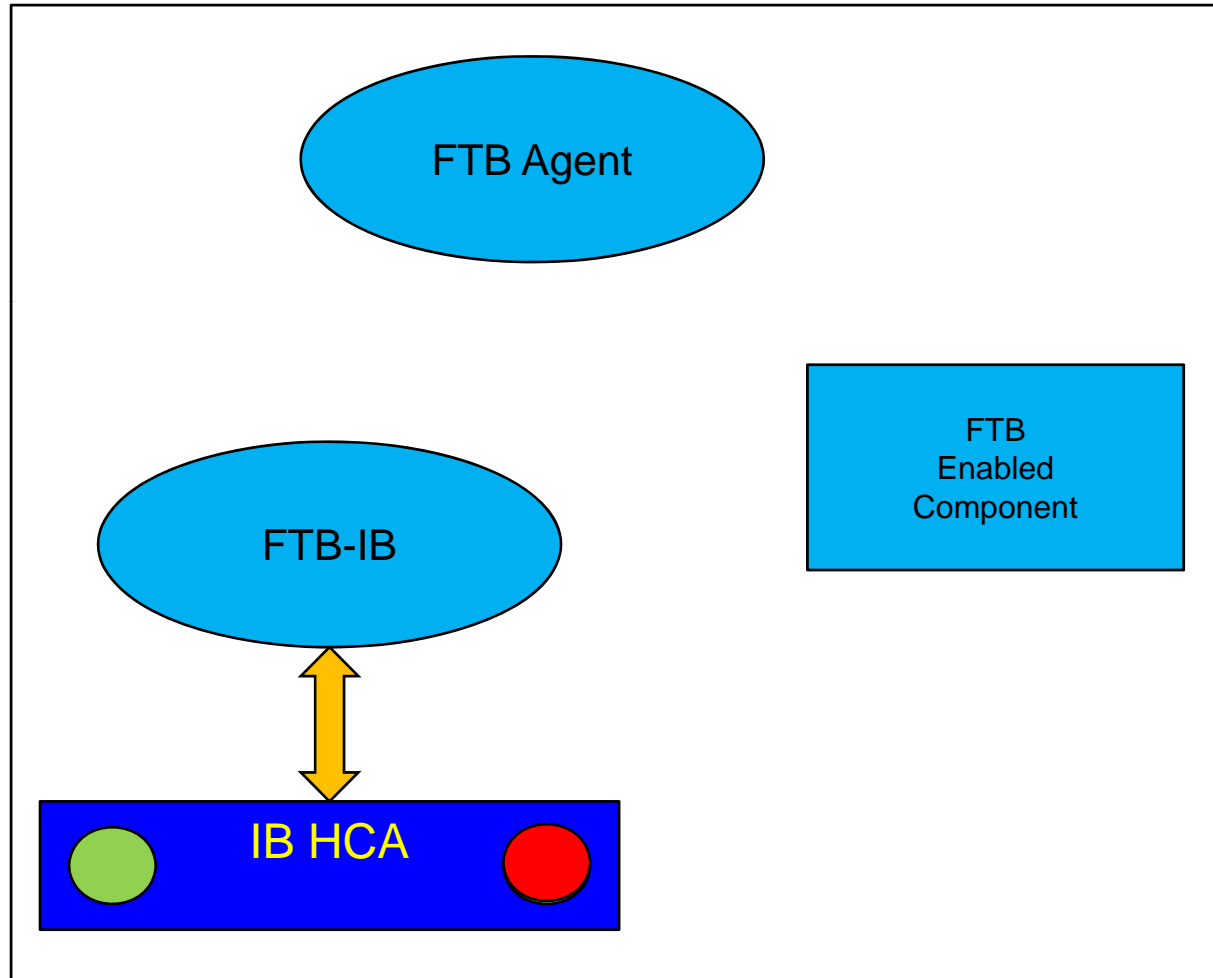
Monitored Events

- FTB_IB_ADAPTER_AVAILABLE
- FTB_IB_ADAPTER_UNAVAILABLE
- FTB_IB_ADAPTER_INFO
- FTB_IB_PORT_INFO
- FTB_IB_EVENT_PORT_ACTIVE
- FTB_IB_EVENT_PORT_ERR
- FTB_IB_EVENT_LID_CHANGE
- FTB_IB_EVENT_CLIENT_REREGISTER

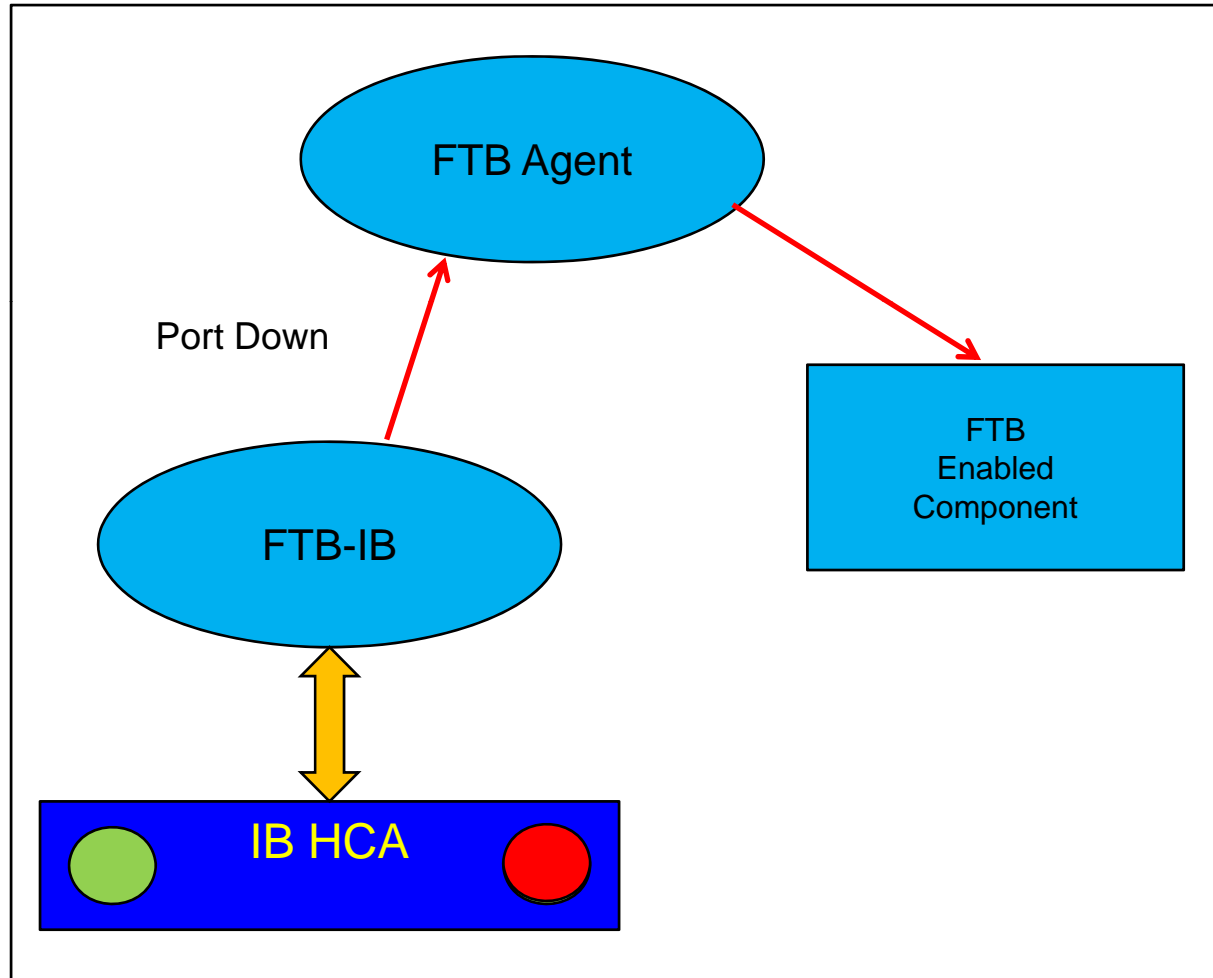
Fault Tolerant InfiniBand Component



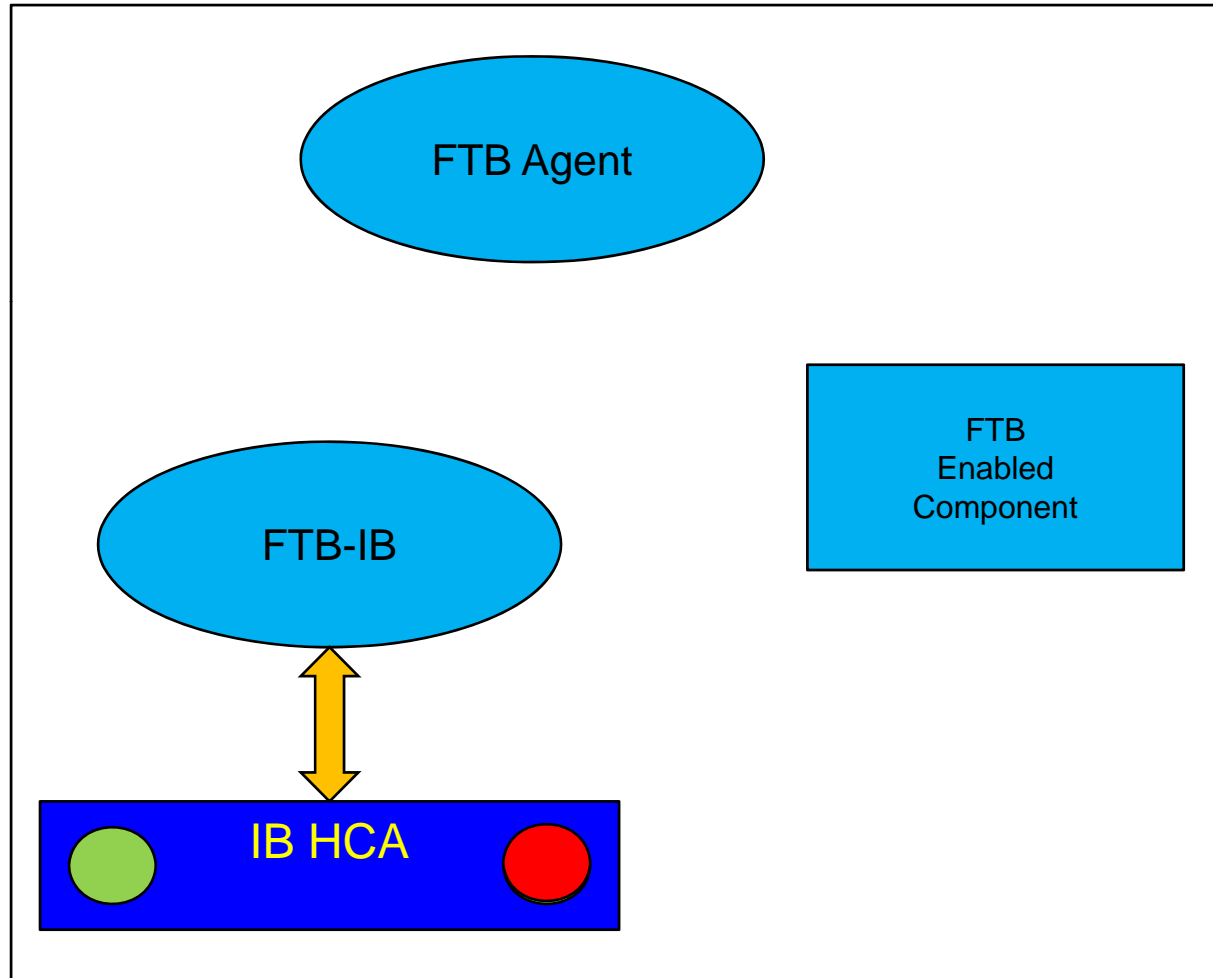
Fault Tolerant InfiniBand Component



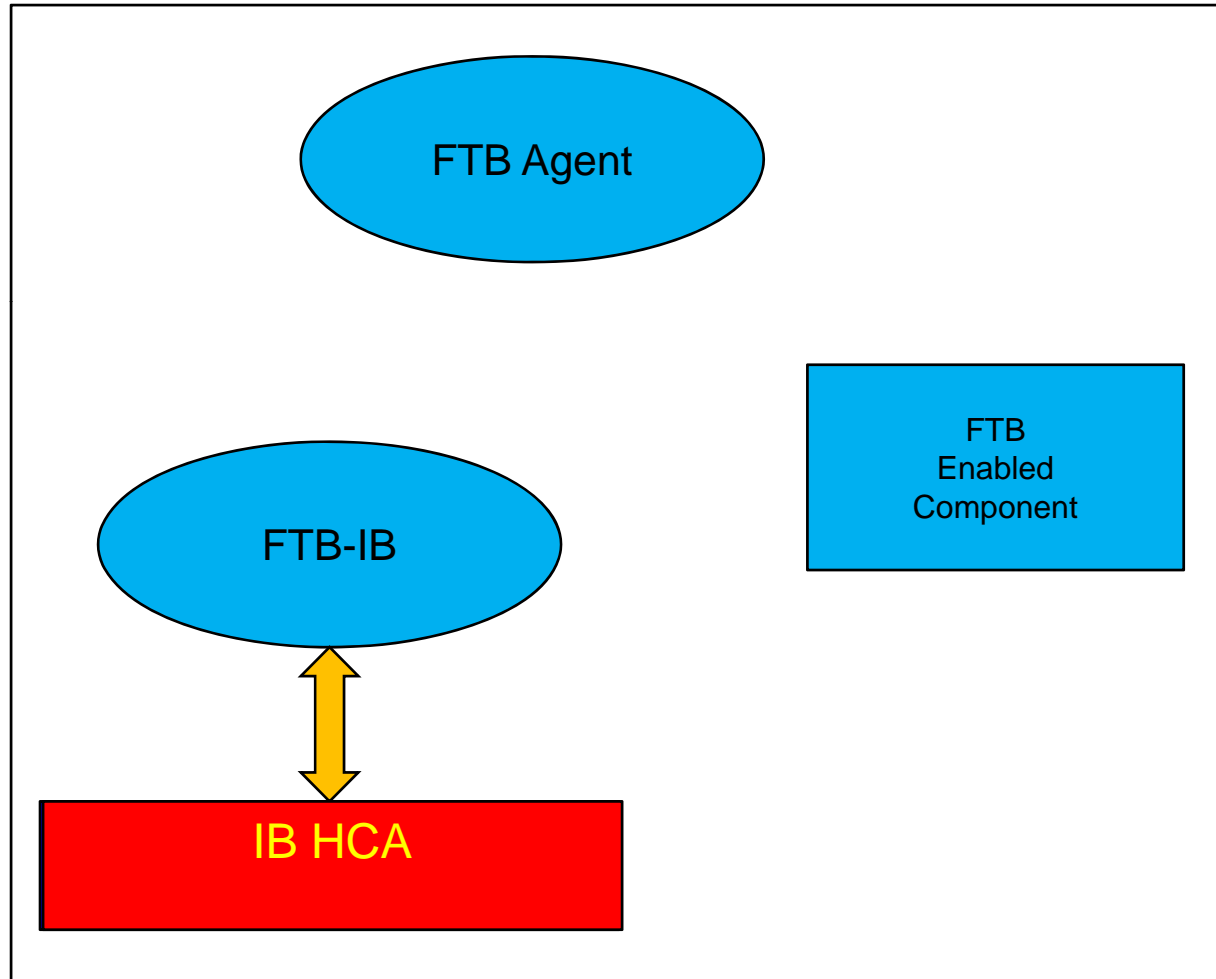
Fault Tolerant InfiniBand Component



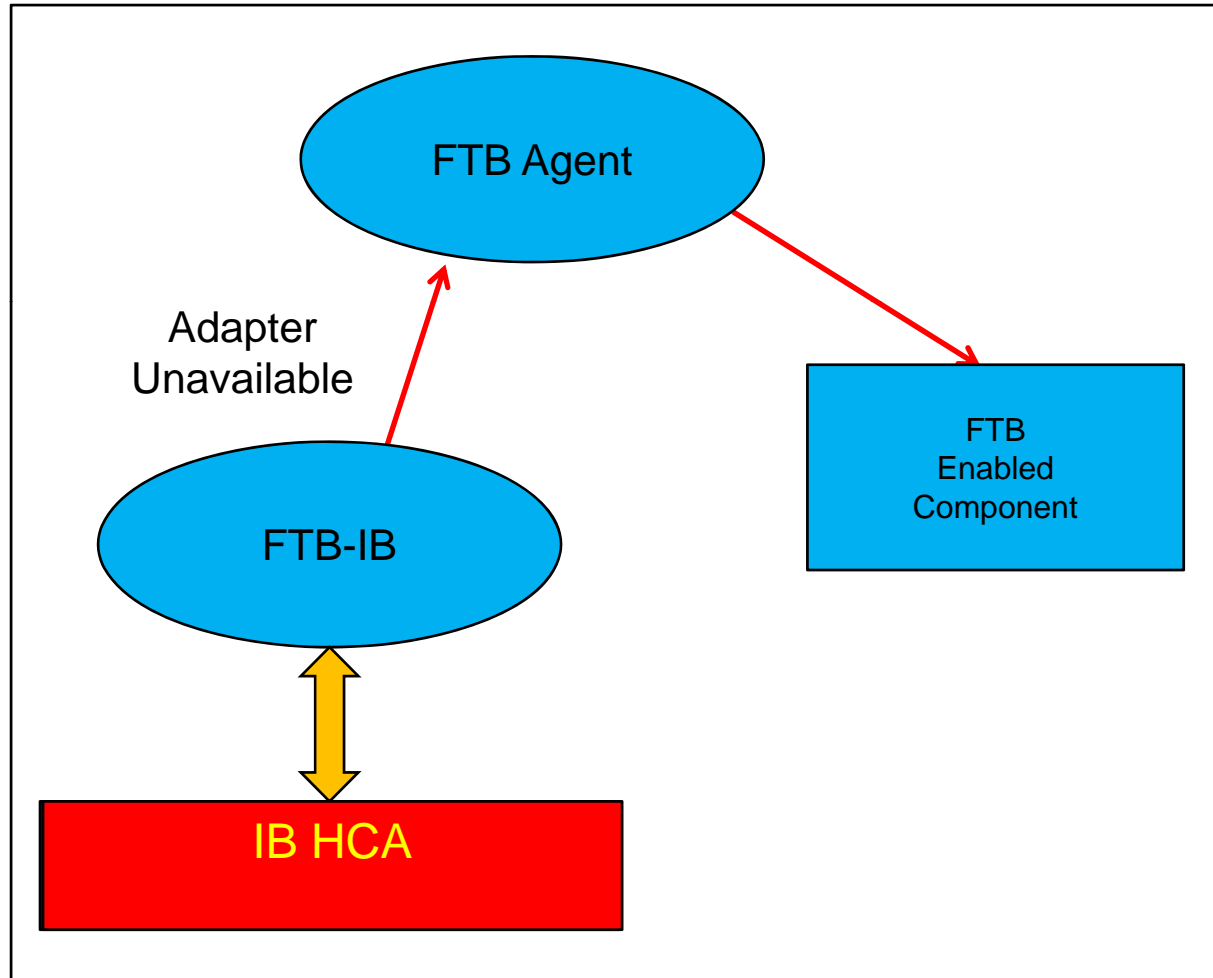
Fault Tolerant InfiniBand Component



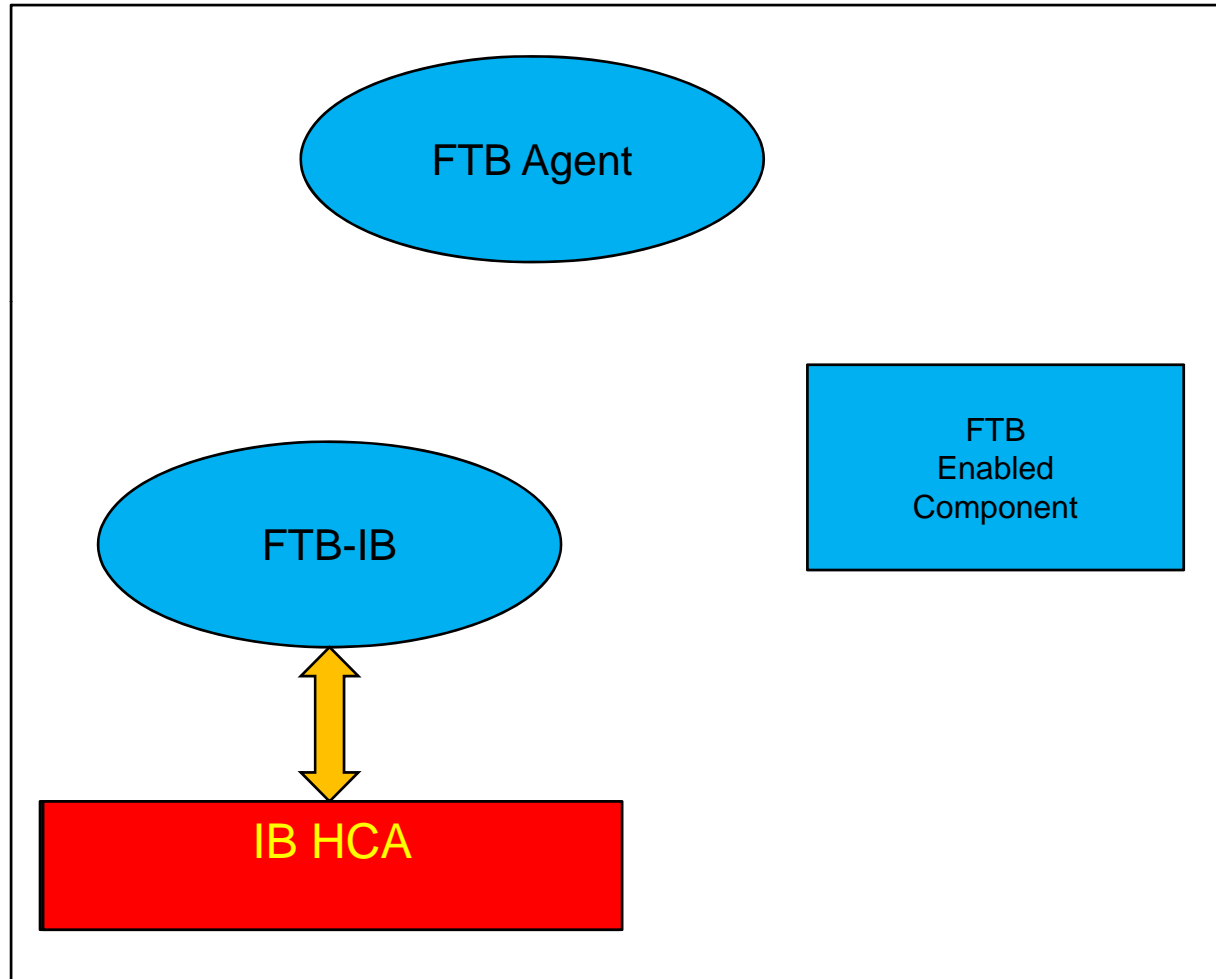
Fault Tolerant InfiniBand Component



Fault Tolerant InfiniBand Component



Fault Tolerant InfiniBand Component



Fault Tolerant InfiniBand Component

- Future Plans
 - Library based design to support affiliated events related to QP, SRQ and CQ errors
 - Network-Fault Prediction
 - Network-Fault Prevention
 - User-Transparent Recovery
- Availability
 - FTB-IB 1.0 release can be downloaded from <http://nowlab.cse.ohio-state.edu/projects/ftb-ib/>
 - Also available from the CIFTS Software page at <http://www.mcs.anl.gov/research/cifts/software/index.php>