An Overview of RIKEN MPI (MPICH-Tofu)

R·CCS

- Derivative of MPICH
 - Collaboration between RIKEN and Argonne
- Fugaku specific features are developed by RIKEN
 - Some collectives, e.g. Barrier and Reduce, are offloaded in Tofu (No CPU cycles are involved)
 - Process-in-process will be integrated
 - Optimized XPMEM on McKernel

• Status

- The tofu fabric provider has been implemented and tested
- Performance tuning is being done



