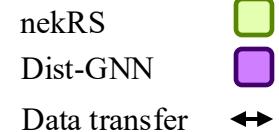
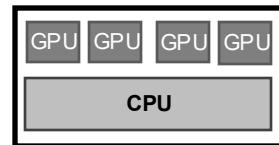


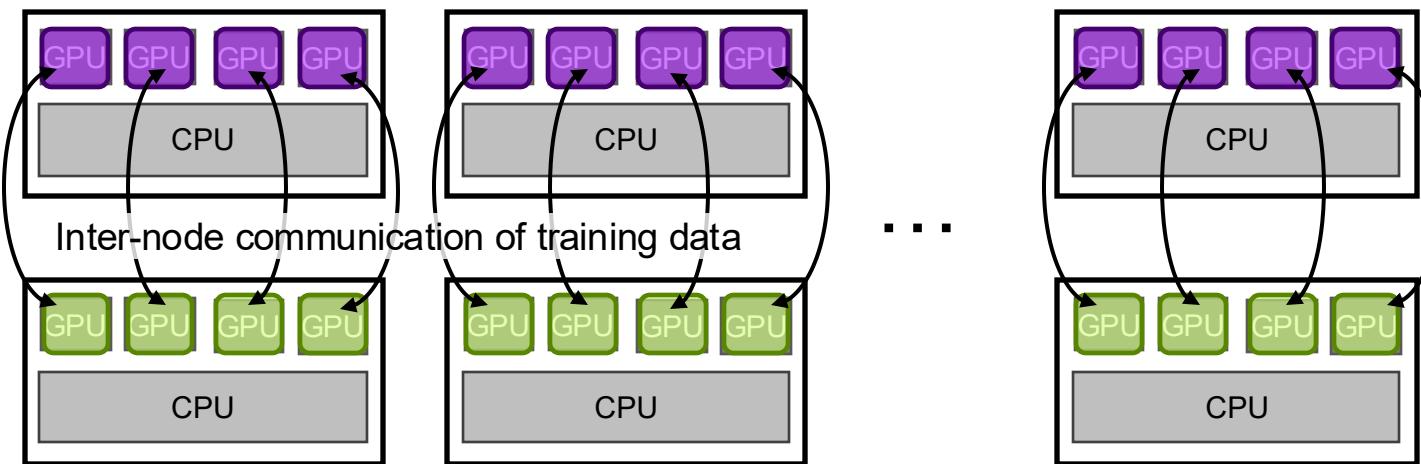
# WORKFLOW DATA TRANSFER: OVERVIEW

- The online component of the workflow is implemented using ADIOS2 SST engine (RDMA transport layer preferred)
- Clustered deployment
  - nekRS and Dist-GNN training run on distinct set of nodes
  - N-N transport pattern across system high-speed interconnect

Heterogeneous HPC node



## Clustered Deployment



# WORKFLOW DATA TRANSFER: PERFORMANCE

- Clustered deployment tests bisection bandwidth of high-speed interconnect
  - For homogeneous system, tests full-scale bisection bandwidth
  - For heterogeneous system (separate ModSim and AI partitions), tests bisection bandwidth between partitions