

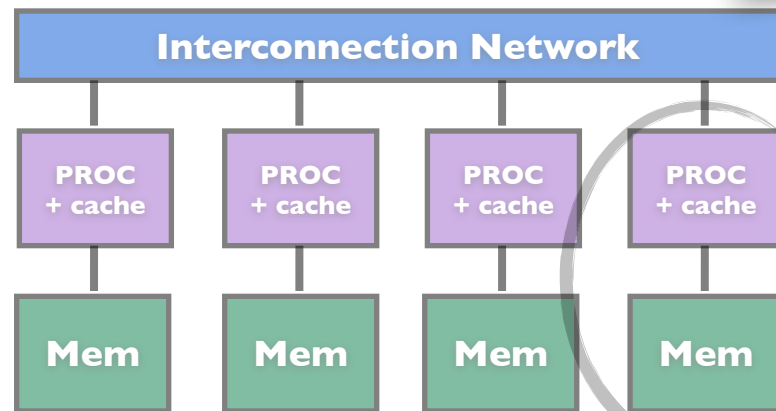
Focus on who owns what data and what communication is needed

Sockets
MPI
HADOOP

snow
Rmpi
pbdMPI

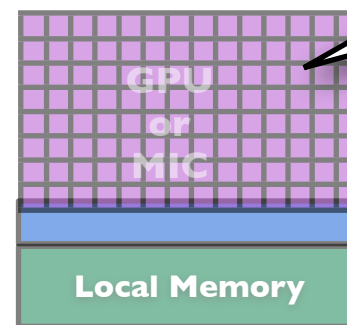
RHIVE

Distributed Memory



Same Task on Blocks of data

Co-Processor



GPU: Graphical Processing Unit
MIC: Many Integrated Core

CUDA
OpenCL
OpenACC

.C
.Call
Rcpp
OpenCL
inline

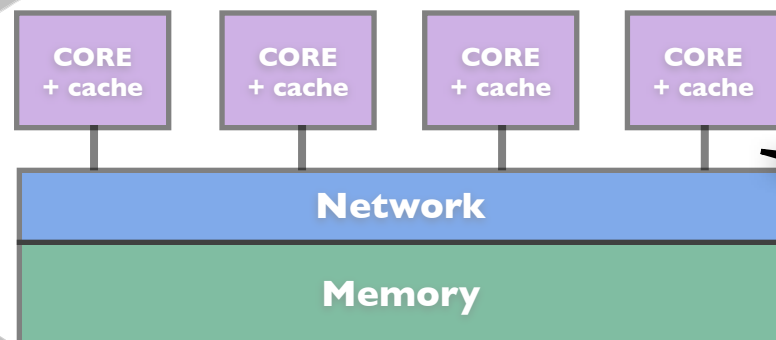
OpenMP
OpenACC

OpenMP
Threads
fork

multicore
(fork)

Focus on which tasks can be parallel

Shared Memory



snow + multicore = parallel