

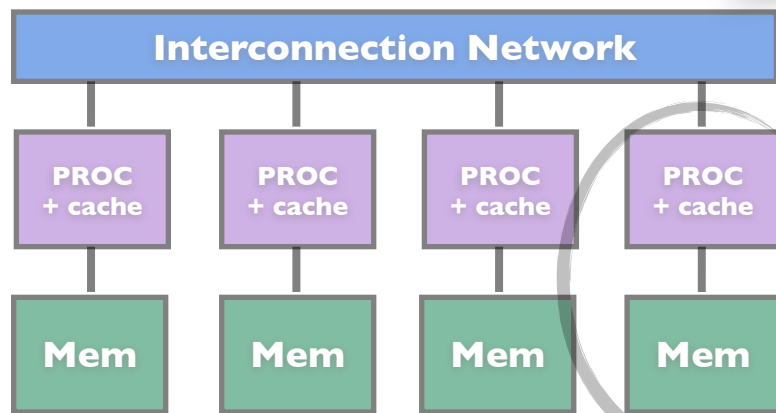
virtual shared memory: nws, Rdsm 

Focus on who owns what data and what communication is needed

MPI,
Sockets

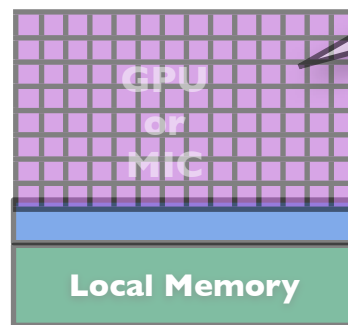
Rmpi,
pbdMPI, 
socketConnection

Distributed Memory



Same Task on Blocks of data

Co-Processor




GPU: Graphical Processing Unit
MIC: Many Integrated Core

CUDA,
OpenCL

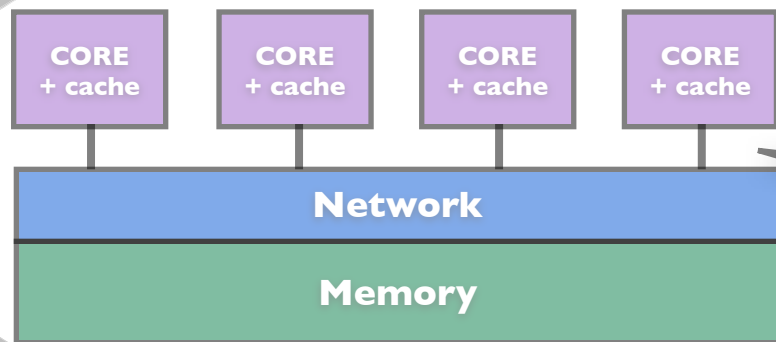
OpenCL 

OpenMP

OpenMP,
Threads,
fork

multicore
(fork) 

Shared Memory



Focus on which tasks can be parallel

snow + multicore = parallel 