

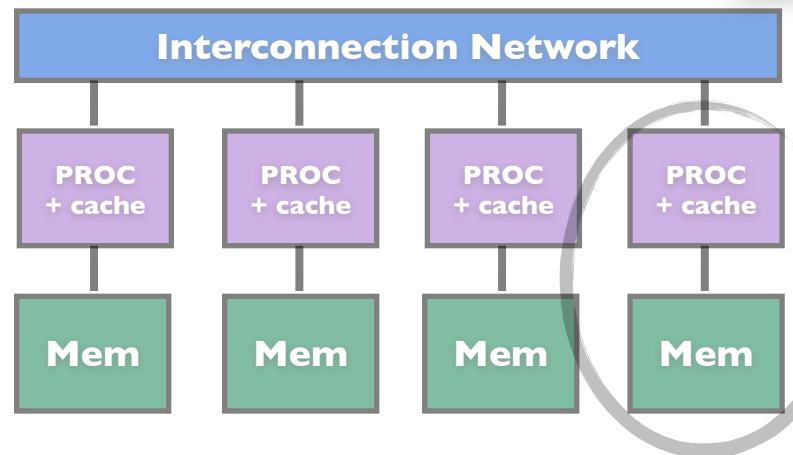
virtual shared memory: nws, Rdsm 

Data Parallelism:
Focus on who owns what data and what communication is needed

MPI,
Sockets

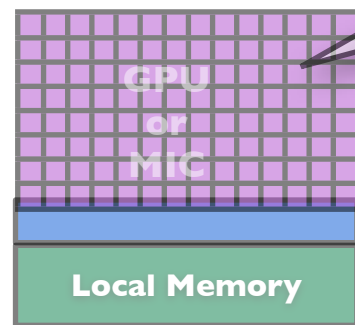
Rmpi,
pbdMPI, 
Sockets

Distributed Memory



Simple Task Parallelism:
Same Task on Block of data

Co-Processor



GPU: Graphical Processing Unit
MIC: Many Integrated Core

CUDA,
OpenCL

OpenCL 

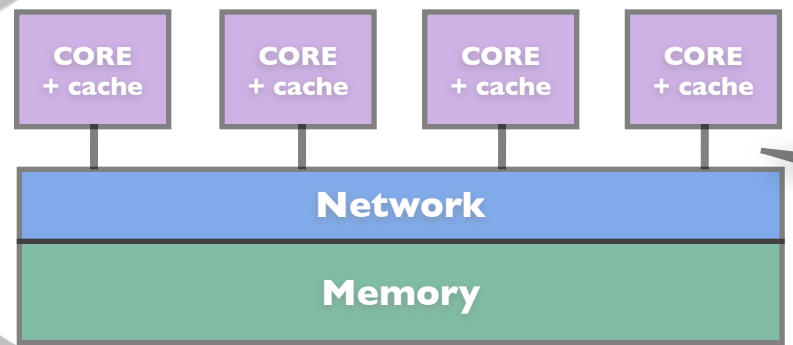
OpenMP

Task Parallelism:
Focus on who does what task

OpenMP,
Threads,
fork

multicore,
fork 

Shared Memory



snow + multicore = parallel 