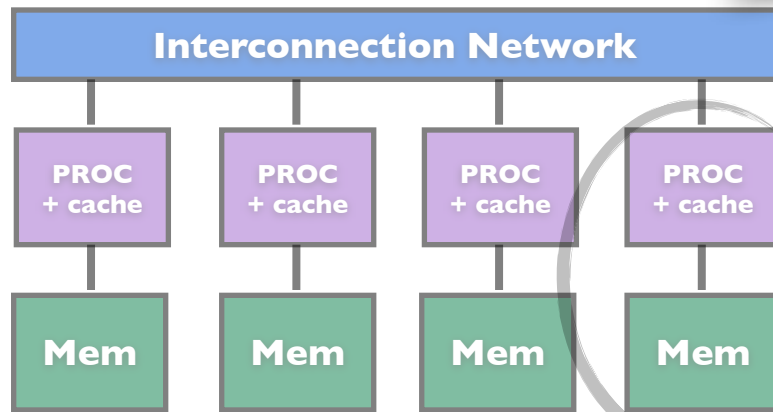


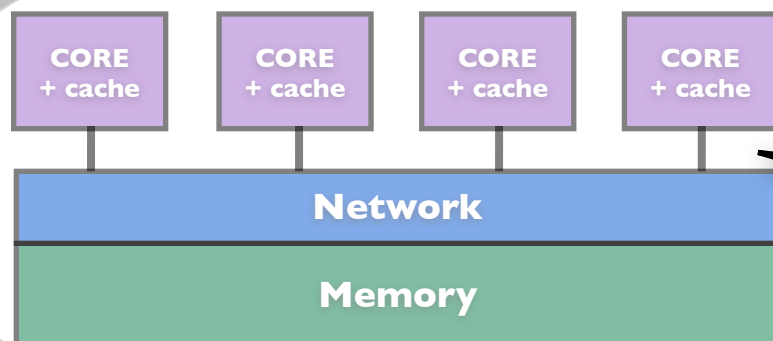
Distributed Memory



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

MPI,
Sockets

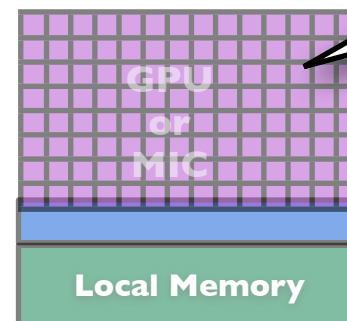
Shared Memory



Task Parallelism:
Focus on who does what task

OpenMP,
Threads,
fork

Co-Processor



Simple Task Parallelism:
Same Task on Block of data

CUDA,
OpenCL

GPU: Graphical Processing Unit

MIC: Many Integrated Core

OpenMP