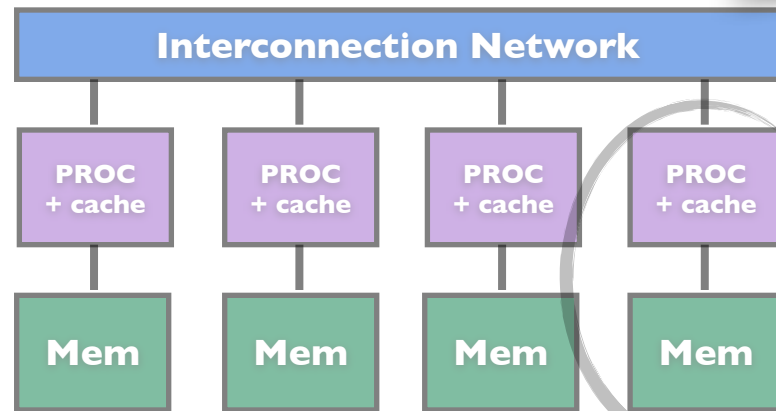


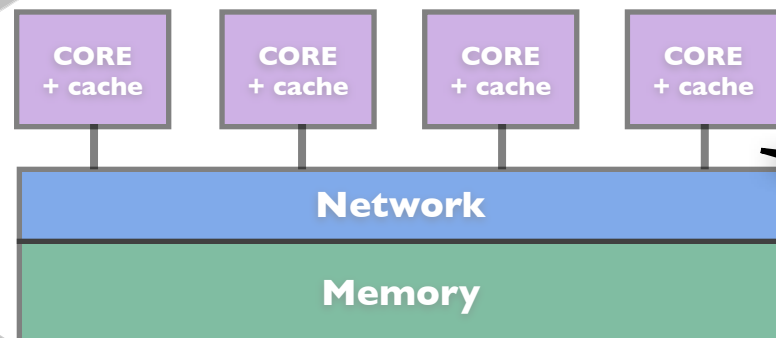
Distributed Memory



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

**MPI,
Sockets**

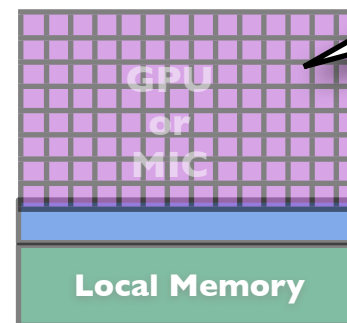
Shared Memory



Task Parallelism:
Focus on who does what task

**OpenMP,
Threads,
fork**

Co-Processor



GPU: Graphical Processing Unit

MIC: Many Integrated Core

Simple Task Parallelism:
Same Task on Block of data

**CUDA,
OpenCL**

OpenMP