



Practice with MPI

Alexandre David

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Getting Started

- Write your hello.c program.
- Compile it:
 - `mpicc -Wall -O2 -o hello hello.c`
- Start lam:
 - `lamboot`
- Run:
 - `mpirun -np 4 ./hello`
- Clean-up before logging off:
 - `lamwipe`



MPI on Homer & Marge

- Write a configure file `hosts` with
 - `homer.cs.aau.dk cpu=4`
`marge.cs.aau.dk cpu=4`
- Put `lamboot` in your path (from my home).
 - Add it to your `.tcshrc/.cshrc/.bashrc` ...
- Start/stop lam:
 - `lamboot/lamwipe -ssi boot_rsh_agent ssh hosts`
- Run MPI:
 - `mpirun -np 8 path/hello`



TODO

- Check out the `mpi-sample.c` program.
- Have a look at the lam/MPI web page <http://www.lam-mpi.org>.
 - Tutorials & API.
- Use `MPI_Sendrecv` in `mpi-sample.c`.
- Implement the matrix multiplication.
- Parallelize it with different data partitionings (3.2.2 & 3.4.2).