Advanced MPI
Course Overview

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• Evolution of MPI including new features in MPI-3
• Mesh decomposition using MPI topologies
• MPI library internals
• Hybrid programming using MPI + OpenMP
• One-sided communication using MPI RMA
• Parallel I/O using MPI-IO
Lab sessions

- Will use ARCHER wherever possible

- Dedicated reserved queues during most lab sessions
  - standard access at all other times

- Morar is always available