Cloud Computing:
Intro and Programming Models
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Why Cloud Computing?

- Application/Media/Web Hosting
- E-Commerce
- On-Demand Workforce and CRM
- Resources: Computation, Backup and Storage, etc.
- High-Performance Computing
- Search

Course Goals

• Explain basic concepts, objectives, and functions of cloud computing
  • Lecture, part 1

• Implement complex HPC applications using cloud computing
  • Lecture, part 2
  • Lab exercises

• Analyze state-of-the-art in cloud computing
  • Possible assignment – your ASCI course homework