



Some Odds and Ends About Computational Infrastructure

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Computing Infrastructures



- Local Laptop/Desktop Short jobs with small data
- Local Cluster Larger jobs and larger data but subject to availability
- HPC Prime performance with parallelized code
- HTC Sustained computing over a long period for serialized workflows
- Cloud Need deeper permission on an OS and/or have deeper pockets



Some Examples of Academic (Cls Worldwide



HTC

- EGI (formally European Grid Initiative)
- OSG (Open Science Grid)
- ASGI (Asia Pacific Grid Initiative)
- NorduGrid
- Earth System Grid (ESG)
- Many other regional and national infrastructures





Some Examples of Academic (Cls Worldwide



HPC

- XSEDE (eXtreme Science and Engineering Discovery Environment)
- PRACE (Partnership for Advanced Computing in Europe)
- Compute Canada
- Greek Research and Technology Network (GRNET)
- Centre for HPC (South Africa)
- Many other national infrastructures





Some Examples of Academic (Cls Worldwide



Cloud

- EGI Federated Cloud
- NeCTaR National eResearch
 Collaboration Tools and Resources
- Jetstream (Part of XSEDE)
- SwissACC (Swiss Academic Computing Cloud)
- Many other national cloud infrastructures





Questions?



- Questions? Comments?
 - Feel free to ask us questions now or later:

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