ASP2024 Wrap Up

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Some Useful Resources

• HTC tutorial page will be up for the time being
  • If you want to practice, we’d suggest you taking maximum advantage right now

• You could apply for a real HTCondor account for a long-term grid access at
  https://www.osgconnect.net
Computing Infrastructures

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

• HTC
  • OSG (Open Science Grid)
  • EGI (formally European Grid Initiative)
  • ASGI (Asia Pacific Grid Initiative)
  • NorduGrid
  • Earth System Grid (ESG)
  • Many other regional and national infrastructures
Some Examples of Academic Clusters Worldwide

• HPC
  • ACCESS (Advanced Cyberinfrastructure Coordination Ecosystem: Services & Support)
  • PRACE (Partnership for Advanced Computing in Europe)
  • Compute Canada
  • Greek Research and Technology Network (GRNET)
  • Centre for HPC (Cape Town, South Africa)
  • Many other national infrastructures
Some Examples of Academic Clusters Worldwide

• Cloud
  • EGI Federated Cloud
  • NeCTaR – National eResearch Collaboration Tools and Resources
  • Jetstream (Part of ACCESS)
  • SwissACC (Swiss Academic Computing Cloud)
  • Many other national cloud infrastructures
You have exercised several job submissions
And made changes to your jobs to allow self controlled job submissions
The tutorial taught you what to do to use the grid system that sits behind the scenes
But you can certainly make changes to fit your own purposes!
Further Pointers

• **The ASP grid school tutorial page** is always the place to return to refresh your memory
• You have already gained a lot of experience with the exercises in the ASP grid school page
• The next step is to take your simple jobs to more sophisticated research project jobs through **the OSG_connect**
• Once you complete the above, you can apply to your own science by looking at the **condor manual**
• Important thing is not let it slide but keeping it up!
OSG Consortium

• Founded in 2005
• DOSAR (Distributed Organization for Scientific & Academic Research) one of the founding members of OSG consortium
Questions on HTC?

• Questions? Comments?
  ➢ Feel free to ask us questions now or later:
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Thank you for your participation!!

Keep connecting and driving science forward