

ASP2026 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

https://osg-htc.org/dosar/ASP2026/ASP2026_Materials/
- 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

Wrapping up the grid session

- 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) is one of the founding members of OSG consortium



Questions on HTC?

➤ Feel free to ask us questions now or later:

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Julia Gray



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Jae Yu

What a once-in-a-life time experience!!

- It has been amazing 2 weeks!!
- You all have learned
 - High Energy Physics in general
 - Standard Model and underlying physics
 - Higgs Physics, Super-symmetry, Neutrinos
 - Use of Monte Carlo simulations
 - Hands on experiments and data analyses
 - Computing grid and its use for your science
- You have changed dramatically in the short period of time!
- You have made good friends from all over Africa.
- You will be the ones advancing science in this continent.
- Keep not only the knowledge & skills but also the spirit of the ASP!
- Look for opportunities to work closely to create something BIG!!

Totally impressed with y'all!!

Nice to have met you all!!

Have a safe trip back home!

See you soon somewhere!

Thank you for your participation!!



Keep connecting and driving science forward