

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

https://osg-htc.org/dosar/ASP2024/ASP2024_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 (**A**dvanced **C**yberinfrastructure **C**oordination **E**cosystem: **S**ervices & **S**upport)
- 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

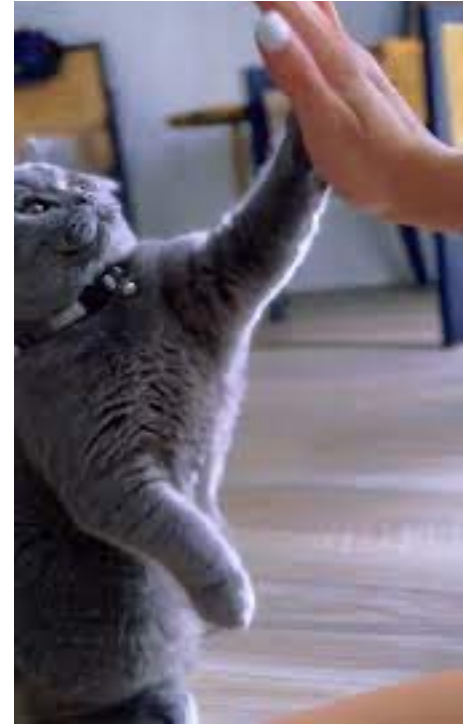
Some Examples of Academic Clusters Worldwide

- **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) 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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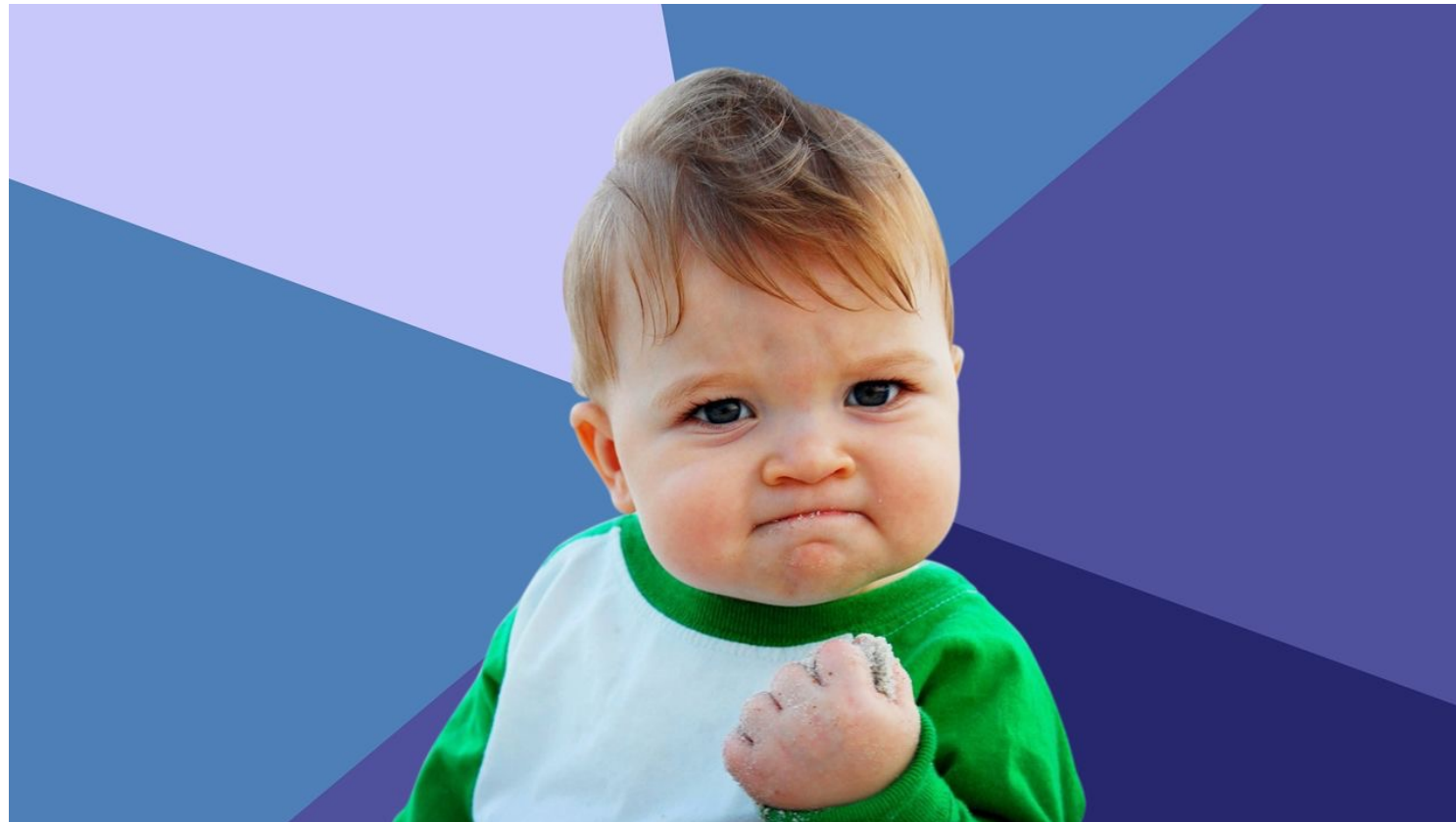


Horst Severini



Pat Skubic

Thank you for your participation!!



Keep connecting and driving science forward