

# HTCondor and ARC-CE Workshop report

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# Overview

- HTCondor
- HTCondor-CE
- ARC-CE
- Conclusions



# General

- Intended to support the move to recommended and supported batch systems and grid CEs
  - Especially with the EOL announcement of CREAM-CE
- Reasonably well attended
  - 15-20 sites
  - Most from the region
  - Looked sparse from the stage, but that was due to large room
- Followed by office hours from both teams



# HTCondor

- Full day of HTCondor as a batch system
- Started with a couple of tutorials
  - Tutorial on usage for end users
  - How to run workflows in HTCondor
  - Installation tutorial for sysadmins



# HTCondor

- In-depth looks at various aspects
  - Class Ads
  - Monitoring
  - Policies
  - Priorities
  - Containers
  - Python API
  - Federation
  - Release status and future plans



# HTCondor-CE

- Half of monday spent on HTCondor-CE
- Overview of the grid side with HTCondor-CE
- Followed by details
  - Architecture
  - Configuration
  - Troubleshooting
  - Interface to other batch systems
- And rounded out by future outlook
  - Kubernetes backend?



# ARC-CE

- Monday afternoon dedicated to ARC-CE
- Talks included:
  - Introduction to the project and design goals
  - ARC for WLCG pilot jobs
  - ARC with data staging
  - aCT – the control tower providing a job submission framework
- And after the break, technical details
  - ARC5 → ARC6 changes
  - The arctcl command line tool
  - ARCHERY, DNS-based indexing for resource discovery
  - Hacking ARC, how to customize ARC without obstructing updates



# Conclusions

- Good workshop content
- We should consider making this available to more sites
  - HTCondor has yearly events in US and EU
  - ARC has the Nordugrid conference, but that focus is a bit different.
    - Maybe take this workshop and tack it onto EGI/HEPiX or something?
- Thanks to the participants







Questions?