

HTCondor Workshop at RAL

04 – 07 September 2018

Helge Meinhard / CERN-IT
GDB 12-Sep-2018

HTCondor Workshops

- Held in Europe
- Complementary to yearly (~ May) HTCondor weeks in Madison (WI)
- Number of precursors (Bologna 199x, Milano 2006, ...)
- This series: CERN Dec-2014, ALBA Feb-2016, DESY Jun-2017 – now RAL
- Started Tue 04-Sep at lunchtime, finished Fri 07-Sep at lunchtime



Workshop September 2018

- Hosted by Rutherford Appleton Laboratory, Didcot, Oxfordshire (UK)
- WLCG Tier-1, support for numerous other sciences
- One of early HTCondor adopters in the European WLCG space
- Excellent local organisation by Catalin Condurache and some helpers



Attendees (1)

- 54 registered participants
 - 49 from Europe, 5 from HTCondor team at U Wisconsin-Madison
 - European attendees include 9 from STFC
 - Healthy mixture of experienced and first-time attendants!
- 28 different European affiliations
 - 10 United Kingdom, 4 Italy, 3 Germany, 2 Czech Republic, 2 Romania, 1 Austria, 1 France, 1 Netherlands, 1 Portugal, 1 Russia, 1 Spain, 1 Switzerland



Attendees (2)



Presentations

- 38 contributions, 22 different speakers
- Total duration: 19h 05'; HTCondor team: 11h 20'
- Rich, very interesting, dense programme
 - Comprehensive coverage of HTCondor by developers, many helpful tips
 - User reports on HTCondor usage in the field, lots of user suggestions much appreciated by HTCondor team
- Important theme: accounting – what exactly is needed? To what extent can the HTCondor team help?
- Agenda, material: <https://indico.cern.ch/e/htcondor2018>



HTCondor Team Presentations

- ClassAd language
- HTCondor administration
- HTC workloads
- News and plans
- HTCondor CE
- Group quotas, policies, fair share
- Networking concepts
- Python bindings
- HTCondor and Jupyter
- HTCondor annex
- HTC key challenges
- Config and submit language
- Workflows with DAGMan
- SciTokens in HTCondor
- Job and machine policy
- Monitoring HTCondor
- Cgroups and containers
- Schedd and job transforms



User Presentations

Healthy mixture of ‘site report’ style talks and in-depth, drill-down of specific items:

- KIT
- U Oxford
- CERN
- DESY
- U Bristol
- RAL
- U Liverpool
- UK atomic energy authority
- CMS global operations
- INFN Milano
- U Cardiff



Visits, Social Events

- Lunchtime visits (squeezed lunch): DIAMOND, ISIS, Central Laser Facility, RAL computer room
- Welcome reception with snacks and beer
- Social dinner

Feedback and Next Workshop

- Very positive reactions by attendees including the HTCondor team (“better and more intense discussions than at HTCondor week”)
- Next workshop will be hosted by Joint Research Centre of the European Commission at Ispra (IT), close to the shores of Lago Maggiore
 - Perspective date: Tue 24 Sep 2019 am – Fri 27 Sep 2019 lunchtime
 - Dedicated session on accounting



Conclusions

- Workshop (series) much appreciated by community and developers alike
- No question about continuing the series
- Feedback, proposals, criticism? Get in touch!
- Interested? Join us next year at Ispra!