

## Hands on DIRAC user friendly job management

*Friday, 23 May 2014 11:00 (1h 30m)*

Users, even from a single research community, have very different degrees of programming expertise. Providing a single access point to a distributed infrastructure that suits many communities is a big challenge. DIRAC Project provides a general-purpose framework for building distributed computing systems. There is a large interest from smaller user communities to have a simple tool for accessing grid and other types of distributed computing resources. "DIRAC as a Service" could play this role. To demonstrate accessing facilities of DIRAC, the present tutorial is focused in a portal job management by the final users. The tutorial has a brief introduction and previous dummy tests of every user environment. Then, two blocks of about 1H each, in the first one, participants will launch prepared jobs with previous existing templates, monitor the runnings, getting the outputs using output sandbox. The second block is about advancing job submission using parametric jobs and third-party storage, as well as retrieval of the outputs.

### Wider impact and conclusions

This tutorial will help potential adopters and new users to improve DIRAC knowledge and disseminate the DIRAC 4 EGI pilot service.

### Description of work

Users, even from a single research community, have very different degrees of programming expertise. Providing a single access point to a distributed infrastructure that suits many communities is a big challenge. DIRAC Project provides a general-purpose framework for building distributed computing systems. There is a large interest from smaller user communities to have a simple tool for accessing grid and other types of distributed computing resources. "DIRAC as a Service" could play this role. To demonstrate accessing facilities of DIRAC, the present tutorial is focused in a portal job management by the final users. The tutorial has a brief introduction and previous dummy tests of every user environment. Then, two blocks of about 1H each, in the first one, participants will launch prepared jobs with previous existing templates, monitor the runnings, getting the outputs using output sandbox. The second block is about advancing job submission using parametric jobs and third-party storage, as well as retrieval of the outputs.

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**Session Classification:** Hands on DIRAC user training