

WS-PGRADE job wizard in the EGI LToS platform

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WS-PGRADE/gUSE science gateway framework has been used by more than 30 user communities within the EU FP7 SCI-BUS project. These communities cover a wide range of scientific areas including astrophysics, chemistry, bio-medical research, seismology, meteorology, etc. Since the closing date of SCI-BUS WS-PGRADE/gUSE in October 2014 WS-PGRADE has been actively further developed focusing on the access of clouds and large data storages.

Recently WS-PGRADE/gUSE has been activated as a gateway service in the EGI Long-Tail of Science platform. This means that users can login to this gateway as it is required by the user management policy of the EGI Long-Tail of Science platform. This gateway has two major ways of usability:

1. Simplified wizard access to EGI FedCloud resources that are partners in the Long-Tail of Science VO. This usage of the gateway targets the novice cloud users.
2. Workflow-oriented usage of the gateway targeting advance users who can manage to create even complex workflow applications that can run in the grid and cloud resources of the EGI infrastructure. The talk will describe in detail the usage of the wizard option by which user can submit single and parameter sweep jobs into the clouds of the EGI FedCloud without learning anything on these cloud resources.

Speaker's biography

Peter KACSUK is the Head of the Research Laboratory of the Parallel and Distributed Systems. He received his MSc and university doctorate degrees from the Technical University of Budapest in 1976 and 1984, respectively. He received the kandidat degree from the Hungarian Academy of Sciences in 1989. He habilitated at the University of Vienna in 1997. He received his professor title from the Hungarian President in 1999 and the Doctor of Academy degree (DSc) from the Hungarian Academy of Sciences in 2001. He has been a part-time full professor at the Cavendish School of Computer Science of the University of Westminster in London and at the Eötvös Lóránd University of Science in Budapest since 2001. He served as visiting scientist or professor several times at various universities of Austria, England, Germany, Spain, Australia and Japan. He has published two books, two lecture notes and more than 200 scientific papers on parallel computer architectures, parallel software engineering and Grid computing. He is co-editor-in-chief of the Journal of Grid Computing published by Springer.

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