Contribution ID: **24**                                   Type: **Training/Tutorial**

# Managing virtual servers

*Thursday, 22 May 2014 11:00 (1h 30m)*

The aim of this training session is to provide a quick introduction into OCCI (Open Cloud Computing Interface), describe basic elements defined by the standard, and demonstrate its practical applications while focusing on virtual machine management in IaaS-based clouds as it pertains to the EGI Federated Cloud. It will also describe, explain, and demonstrate the concepts behind virtual machine contextualization and its applicability in various use cases. Attendees will get a chance to apply these concepts in a hands-on part of the session utilizing tools used within the EGI Federated Cloud environment, namely the rOCCI client and various server-side OCCI implementations.

## Wider impact and conclusions

This training session will provide users with enough knowledge to start managing Virtual Machines with OCCI in the EGI Federated IaaS Cloud for their own computing needs.

## Description of work

90 minute training session to introduce users into the usage of the OCCI standard for managing virtual machines in IaaS clouds (as the EGI Federated Cloud).

Session outline:
* Introduction into OCCI
* Preparation (client installation, credentials, )
* Basic commands: querying (list, describe), launching and destroying VMs
* Advanced commands: ssh key injection, links, actions, etc.
* VM Contextualization: context data & cloud-init
* Q & A

Users should bring their own computers (linux and mac should be supported without problems) to perform the hands-on exercises. No previous knowledge of OCCI is required. Session is limited to aprox. 20 attendees in order to assure all of them can access the resources.

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**Session Classification:**   Managing virtual servers

**Track Classification:**   Advanced cloud services (Track Leaders: D. Wallom, M. Drescher, K. Nordlund)