

## Providing OCCI support for arbitrary Cloud Management Frameworks

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What's this OCCI you've heard so much about?

- open protocol for management tasks in the cloud environment
- focused on integration, portability and interoperability
- with a high degree of extensibility
- up-and-coming standard for the cloud



## What's rOCCI?

- a framework simplifying the implementation of OCCI in Ruby developed by GWDG
- a client providing shell-based user interface
- an open source project hosted on GitHub

## What's rOCCI-server?

- a server-side implementation leveraging rOCCI
- a bridge between OpenNebula and the world of OCCI

## Who's using it?

- EGI's Federated Clouds Task Force



Why even bother?

- OCCl has great potential
- to avoid a large number of incompatible interpretations
- to make life easier for developers and users alike
- rOCCl is crucial to the EGI Federated Clouds Task Force

Who will benefit the most?

- EGI's Federated Clouds Task Force
- Resource providers
- End users and middleware developers

What are our goals?

- bring the cloud a step closer to real interoperability
- introducing proven grid authN mechanisms to the cloud
- acting as a bridge in heterogenous environments

What are the milestones?

- re-design rOCCI-server with a new interoperability layer
- extend existing functionality with
  - a back-end utilizing fog.io library
  - a VOMS-based authentication module
  - a java-based client library
- deploy the new server within EGI's FedCloud Task Force

## What's the timeline?

- Project starts in April, 2013
- Project will end in March, 2014
- Estimated 8 PMs over the period of 12 months

## Who will participate in this project?

- CESNET
  - Boris Parak
  - Zdenek Sustr
- GWDG – unofficial participation due to funding issues
  - Piotr Kasprzak
  - Maik Srba
- Florian Feldhaus

What to read if you want to know more?

- <http://occi-wg.org>
- <https://www.egi.eu/infrastructure/cloud>
- <http://fog.io>
- <https://github.com/gwdg/rOCCI>

Do you have questions?

- talk to us :-)
- e-mail us at [parak@cesnet.cz](mailto:parak@cesnet.cz) or [sustr4@cesnet.cz](mailto:sustr4@cesnet.cz)