

Building an OpenNebula Cloud Compliant to EGI FedCloud

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

This hands-on tutorial will give an overview of how OpenNebula can be used to build and operate private clouds. The attendees will build, configure and operate their own OCCI-compatible OpenNebula cloud compliant to the EGI FedCloud standards.

Wider impact and conclusions

Skills Gained:

- Describe the features and benefits of using virtualization and clouds
- Describe different architectures for a cloud that can be deployed with OpenNebula
- Deployment and basic configuration OpenNebula and rOCCI
- Basic operation of an OpenNebula cloud instance

URL(s) for further info

<http://www.opennebula.org>

Description of work

Contents:

- An introduction to cloud computing with OpenNebula
- The architecture of the cloud
- Planning and installing OpenNebula
- Configuration and basic usage
- Installing rOCCI

Audience:

The target audience is devops and system administrators interested in deploying a private cloud solution, or in the integration of OpenNebula with other platform.

Length:

4 hours

Prerequisites:

No prior OpenNebula skills are required, but participants should have working knowledge of virtualization, networking and Unix/Linux systems.

Material:

The course includes hands-on exercises to be performed using attendee's wifi-enabled laptops with VirtualBox installed. The attendees will build, configure and operate their own OCCI-compatible OpenNebula cloud.

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Session Classification: Open Nebula training