

TRAINING INVITATION

Build and Use Your Own Cloud Infrastructure with OpenNebula in the RESERVOIR Framework

January 27-28, 2011 – Brussels, Belgium

Learn how to use and manage your own open source cloud solution, with your hands on.

To pave the way to adoption of cloud technology by businesses, the **RESERVOIR** project has integrated a set of virtualization and cloud management tools. The training will focus on **OpenNebula**, a core component of the RESERVOIR project.

OpenNebula 2.0 is a powerful and standard-based open source infrastructure manager and has been enhanced to address the virtual machine and cloud federation requirements of business use cases. OpenNebula is the most advanced open-source platform for building cloud infrastructures, offering unique features for integration, management, scalability, security and accounting.

Training Objectives

The participants will learn about the global architecture of the RESERVOIR Framework, with a particular attention given to the OpenNebula open source component. The training will cover the management aspects: installation, configuration and administration. The participants will also learn about the use of OpenNebula, including private, hybrid and public cloud topologies. The course includes hands-on exercises to be performed using attendee's laptops

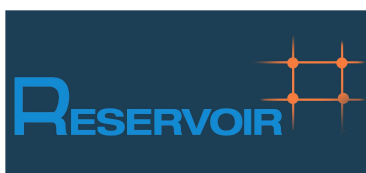
Agenda

Thursday January 27, 2011

- 13.00-13.30 Welcome Coffee
- 13.30-14.00 Introduction to RESERVOIR Framework
- 14.00-15.00 OpenNebula Introduction - Installation and Configuration
→ Philosophy, capabilities, presentation of various cloud architectures
- 15.00-15.30 Coffee Break
- 15.30-17.00 OpenNebula Administration and Usage Part I
→ Various configuration approaches, description of OpenNebula subsystems
- 17.00-17.30 Coffee Break
- 17.30-19.00 OpenNebula Administration and Usage Part II
→ Various configuration approaches, description of OpenNebula subsystems
- 20.00-... Dinner

Friday January 28, 2011

- 09.00-10.30 Hybrid Cloud Computing
→ Extending infrastructure to external providers (e.g. Amazon EC2)
- 10.30-11.00 Coffee Break
- 11.00-12.30 Public Cloud Computing and Advanced Topics
→ From private to public cloud: installation and configuration of interfaces
→ OpenNebula extension and adaption
- 12.30-13.30 Lunch
- 13.30-15.00 OpenNebula Integration with Other RESERVOIR Components (Claudia ...)
- 15.00-15.30 Coffee Break
- 15.30-16.30 IBM CloudBurst Solution
- 16.30-17.30 Conclusion



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Trainers

OpenNebula – www.opennebula.org - *Daniel Molina* and *Javier Fontán*, members of the DSA-Research.org group at UCM, major contributors of the OpenNebula open source project, and researchers in the RESERVOIR project.

CETIC – www.cetic.be - *Damien Hubaux*, Software and Services Technologies Manager at CETIC and RESERVOIR Training Manager; *Stéphane Mouton*, R&D Team Leader at CETIC and RESERVOIR Training Co-ordinator.

Venue

Digitaleurope – IBM Meeting Room

20, rue Joseph II
1000 Brussels
BELGIUM

Registration

Registration is free of charge BUT need to be confirmed by e-mail to reservoir@cetic.be as attendance is restricted to 30 persons. So don't wait to register!

Please note that a dinner will be offered to the participants on the evening of January 27.

Target Audience

Professionals operating services and infrastructure, looking for flexibility and standardisation:

- IT infrastructures owners and managers
- IT infrastructures operators
- IT infrastructures users
- Service/SaaS providers

Prior Knowledge

- Principle of cloud computing and virtualisation
- Linux and network administration

Language

All training materials are in English. The course itself is given in English.

About

RESERVOIR is a European Union FP7 funded project

For more information, please contact reservoir@cetic.be

Further information on RESERVOIR can be found at www.reservoir-fp7.eu

