

Grupos de trabajo de RedIRIS 2013

Tutorial de OpenNebula

<http://www.opennebula.org>

Fecha: 22 de Octubre de 2013.

Lugar : Escuela Técnica Superior de Ingenieros Industriales de la Universidad Politécnica de Madrid.

Información: <http://www.rediris.es/jt/jt2013/programa/gt/>

Horario: 9:30 a 13:00

Sala : Sala 3 (Aula M^a Fernández del Amo)

Idioma: Español.

Descripción del tutorial

Building your Private/Hybrid Cloud: OpenNebula Hands-on Tutorial

Overview

OpenNebula is an open-source project delivering a simple but feature-rich and flexible solution to build and manage enterprise clouds and virtualized data centers. OpenNebula includes features for integration, management, scalability, security and accounting that many enterprise IT shops need for cloud adoption. With thousands of deployments worldwide, OpenNebula has a very wide user base that includes leading companies in banking, technology, telecom and hosting, and research and supercomputing centers.

Contents

This hands-on tutorial will give an overview of how OpenNebula is used to build and operate private clouds. The attendees will build, configure and operate their own OpenNebula cloud.

An introduction to cloud computing with OpenNebula

The architecture of the cloud

Planning and installing OpenNebula

Configuration and basic usage

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.

Skills Gained

1. Describe the features and benefits of using virtualization and clouds
2. Describe different architectures for a cloud that can be deployed with OpenNebula
3. Deployment and basic configuration OpenNebula
4. Basic operation of an OpenNebula cloud instance

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 OpenNebula cloud.

Acknowledgments

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