



| GUIDE

Training Services

Get the best out of your OpenNebula cloud with our standard and customized training courses. Our interactive hands-on training offerings are live and instructor-led, and designed to take you through all the dimensions of an OpenNebula solution, from installation, configuration and operation, to more complex administration and integration activities, and best practices. We offer regularly scheduled public courses, as well as private courses coordinated and delivered to your liking.

As core contributors to OpenNebula, our trainers are the authority on the cloud management platform. Learn from the experts and be prepared to get your solution running in high gear.

Public and Private Training

- We have a published schedule for virtual and physical classes at OpenNebula Offices in Europe and the USA.
- We also provide private standard or customized courses on request to be given at your facility or as virtual classes.

Standard and Customized Courses

Our Training Services team offers **Beginner**, **Intermediate** and **Advanced** courses that provide you with the skills needed to install, configure, customize, and skillfully operate OpenNebula. For customers or partners that require training to meet specific needs, we also offer **custom-designed** courses.

Remote Training

Our OpenNebula courses are available remotely over the internet and are given by instructors in an interactive, virtual environment and feature exactly the same contents and hands-on labs as our on-site training. Our remote services provide:

- More **affordability** - eliminating travel expenses
- Improved **flexibility** - allowing partial work days, when necessary
- Enhanced **agility** - accommodating most scheduling requirements

Private Training Pricing

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|--|--|--|
| Introductory course A remote 4-hour: | Administration course A remote 4-hour: | Advance Admin. course A remote 4-hour: |
| €4.000 (\$5,000) for up to 10 students | €5.000 (\$6,250) for up to 10 students | €6.000 (\$7,500) for up to 10 students |
| + €400 (\$500) per additional student | + €500 (\$625) per additional student | €600 (\$750) per additional student |

Additional fees apply for customized training. There is a 10% discount on private training for active customers and partners, and for Education, Government and Non-Profit institutions, or organizations working on research projects.

OpenNebula Certified Practitioner

Overview

OpenNebula Certified Practitioner course is a one-day, instructor-led training course. Participants will learn the basics of OpenNebula, key features and administrative functionality.

The course is aimed to prepare the attendee to sit the OpenNebula Certified Practitioner exam.

Course Objectives

After the completion of this course an attendee will be able to:

- Describe technical capabilities and main components of OpenNebula
- Plan and deploy OpenNebula software
- Describe what is Template and how to instantiate a Virtual Machine
- Perform basic Datastore configuration
- Create and configure Virtual Networks
- Create and configure Groups and Users
- Describe different types of Views available in OpenNebula

Location

Private courses are available **on-site** at your facility **or remotely** over the internet. The remote courses are given by the same instructors in an interactive virtual environment and feature exactly the same contents and hands-on labs as the on-site training.

Audience

The course is aimed at customers just starting with OpenNebula and willing to understand the operational basics along with common concepts.

Content Outline

- The architecture and deployment
- OpenNebula CLI interface
- Datastores
- Virtual Networks
- Virtual Machines
- Users, Groups and Permissions

Length

5 hours

Prerequisites

- Basic Linux/UNIX & Networking understanding
- Computer with network connectivity and screen resolution 1920 x 1080
- Ability to connect to OpenNebula WebGUI from your computer
- Ability to connect to OpenNebula servers using SSH protocol

Materials

The instructor will rely on a set of PDF documents that will be explained throughout the course. These documents will be made available to the attendees at the very beginning of the course. Attendees need a laptop to connect to their hands-on labs.

OpenNebula Certified Administrator

Overview

OpenNebula Certified Administrator course is a one-day, instructor-led training course. Participants will learn the advanced administration of OpenNebula. An attendee will become familiar with the host lifecycle, clustering and datastores.

The course is aimed to prepare the attendee to sit the OpenNebula Certified Administrator exam.

Course Objectives

After the completion of this course an attendee will be able to:

- Manage and configure Hosts
- Describe the Host Monitoring process
- Manage Datastores and Images
- Manage Virtual Networks, Leases and Security Groups
- Describe contextualization
- Configure VM templates
- Describe clustering functionality available in OpenNebula

Location

Private courses are available **on-site** at your facility **or remotely** over the internet. The remote courses are given by the same instructors in an interactive virtual environment and feature exactly the same contents and hands-on labs as the on-site training.

Audience

The course is aimed at customers already having an experience with OpenNebula and attended the Certified Practitioner course.

Contents

- Host Subsystem
- Storage Subsystem
- Network Subsystem
- Virtualization Subsystem
- Cluster Subsystem

Length

5 hours

Prerequisites

- Basic Linux/UNIX & Networking understanding
- Computer with network connectivity and screen resolution 1920 x 1080
- Ability to connect to OpenNebula WebGUI from your computer
- Previously attended OpenNebula 6.10 Certified Practitioner course

Materials

The instructor will rely on a set of PDF documents that will be explained throughout the course. These documents will be made available to the attendees at the very beginning of the course. Attendees need a laptop to connect to their hands-on labs.

OpenNebula Certified Expert

Overview

OpenNebula Certified Expert course is a one-day, instructor-led training course. Participants will learn the advanced functionalities of OpenNebula such as ACL Rules, VM scheduling Sunstone customization, Services as well as the automation and integration functionality.

The course is aimed to prepare the attendee to sit the OpenNebula Certified Expert exam.

Course Objectives

After the completion of this course an attendee will be able to:

- Define the Virtual Datacenter
- Define Scheduler and policies
- Deploy multi-VM applications
- Configure auto-scaling
- Adjust the Sunstone appearance
- Use OpenNebula Hooks
- Use OpenNebula API

Location

Private courses are available **on-site** at your facility **or remotely** over the internet. The remote courses are given by the same instructors in an interactive virtual environment and feature exactly the same contents and hands-on labs as the on-site training.

Audience

The course is aimed at customers already having an experience with the OpenNebula and attended the Certified Administrator course.

Contents

- Advanced User Administration
- Scheduler
- Sunstone
- Managing Services with OneFlow
- Hooks
- Federation & HA

Length

5 hours

Prerequisites

- Basic Linux/UNIX & Networking understanding
- Computer with network connectivity and screen resolution 1920 x 1080
- Ability to connect to OpenNebula WebGUI from your computer
- Previously attended OpenNebula 6.10 Certified Administrator course

Materials

The instructor will rely on a set of PDF documents that will be explained throughout the course. These documents will be made available to the attendees right at the very beginning of the course. Attendees need a laptop to connect to their hands-on labs.



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