Training: Component Soft

OST-101 Introduction to OpenStack IAAS private clouds

TRAINING GOALS:

This course covers the fundamentals of the OpenStack IAAS (Infrastructure As A Service) solution used for creating a private cloud. It starts with a general cloud primer and the main cloud types (IAAS – Infrastructure As A Service, PAAS – Platform As A Service, SAAS – Software As A Service) continuing with the origin, development and main features of OpenStack, its architecture and core building blocks. An important part of the training is the demonstration of the basic features and operation of an OpenStack system.

Structure: 50% theory 50% hands on lab exercises

Target audience: IT managers, IT team leaders, IT project managers, Architects, System Administrators, Developers.

CONSPECT:

- General cloud primer
- Origin and history of Openstack
- Main features of Openstack
- Openstack architechture
- Core building blocks:
  - Controller node
  - Nova compute node
  - Neutron network node
  - Ceilometer for metering resource usage
  - Heat for cloud orchestration
- Swift Object Store
- Demonstration of the basic features and operation of an Openstack private cloud

REQUIREMENTS:

General operating system (e.g. Linux or Windows Server), networking and storage knowledge.

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Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Component Soft (course completion).

TRAINER:

Certified Component Soft Trainer.

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