

GUIDE

Services Add-ons



OpenNebula is the most advanced and flexible open-source platform for data center virtualization and enterprise cloud computing, offering unique, state-of-the-art features for cloud management and providing the integration capabilities that many enterprise IT shops need for internal cloud adoption. OpenNebula is certified and long-term, commercially supported for its operation in production environments.

Services Add-ons enhance the OpenNebula support subscription with value-added services to simplify cloud design, deployment, operation and management. They help customers springboard their productivity, speed up time to deployment, and reduce business and technical risks through professional assistance with initial set-up, verification and upgrade of an OpenNebula cloud reference architecture:

- The **Cloud Deployment Add-on** helps you design, plan and deploy an OpenNebula cloud based on your premises according to the Open or the VMware Cloud Reference Architecture.
- The **Cloud Verification Add-on** is usually contracted at the beginning of the support subscription to verify your OpenNebula-based cloud design and installation.
- The **Cloud Upgrade Add-on** provides an upgrade of your OpenNebula-based cloud infrastructure. We offer one-time upgrades or all upgrades for the duration of the subscription term.

These services are only available to customers with an active support subscriptions and use as reference the OpenNebula Cloud Reference Architectures.

Services Add-ons are Remote Services

OpenNebula Services Add-ons are remote services delivered by OpenNebula Systems Engineers and Consultants with years of experience designing and building cloud solutions based on OpenNebula. A remote service is a solution more:

- Affordable because it eliminates travel expenses.
- Flexible because it allows interaction from different locations and implementation for partial work days.
- Agile because it allows us to accommodate most scheduling requirements.

In order to perform the remote deployment, remote ssh access to both the management server and the virtualization nodes is required. This access needs to be granted to a public ssh key belonging to the OpenNebula Systems experts performing the deployment.

Cloud Deployment Add-on

SCOPE

The Cloud Deployment Add-on helps you design, plan and deploy an OpenNebula cloud based on your premises according to the Open or the VMware Cloud Reference Architecture.

CONTENTS

- Assessment of storage, networking, monitoring, and authentication data center services
- Design the cloud architecture according to OpenNebula reference architecture
- Deployment of an OpenNebula cloud on your infrastructure
- Configuration and tuning of OpenNebula for optimal performance
- Verification testing to ensure the correct and efficient working of OpenNebula

DELIVERABLES

- Cloud Architecture Design
- Cloud Implementation Guide
- Cloud Verification Checklist
- A working implementation of the OpenNebula Reference Architecture

WORKPLAN

Design Phase

- Assess your storage, networking, monitoring, and authentication data center services to fulfill the requirements of our Cloud Reference Architecture
- Design and planning of cloud architecture according to OpenNebula reference architecture
- Readiness of the required underlying datacenter services or platforms by customer

Engineering Phase

- Deploy an OpenNebula cloud on your infrastructure
- Configure and tune OpenNebula for optimal performance
- Execute verification testing to ensure the correct and efficient working of the cloud

TIME AND COST

Time and cost depend on the size, heterogeneity and complexity of the infrastructure, starting at 3 days for the Engineering Phase and €4.500 (\$5,625) for small scale infrastructures.

TEAM

All services are delivered by OpenNebula Systems Engineers and Consultants with years of experience designing and building cloud solutions based on OpenNebula.

WHAT THE ADD-ON EXCLUDES

- Any knowledge transfer, training or consulting session.
- The configuration of advanced features like high availability, hybrid cloud, and datacenter federation if the customer does not have a support subscription with those extensions.
- The integration with those datacenter services or platforms that are not supported by the OpenNebula distribution.
- The deployment and configuration of the underlying datacenter services or platforms for processing, storage and networking. These services should be previously installed and configured according to the instructions that will be available in the Cloud Architecture Design report, more precisely in the Infrastructure Readiness, delivered after the Design Phase of the service. The deployment of the hypervisor hosts is included if the customer has support with the hypervisor hosts extension.

Cloud Verification Add-on

SCOPE

The Cloud Verification Add-on is usually contracted at the beginning of the support subscription to verify your OpenNebula-based cloud design and installation, or when the OpenNebula cloud deployment is running in production and you are interested in performance tuning and optimization.

CONTENTS

- Assessment of your cloud architecture, configuration, integrations and operational workflows
- Verification testing (new deployments) or performance benchmarking (production deployments) to ensure the correct and efficient working of OpenNebula
- Preparation of architecture and configuration recommendations
- Advice for configuration of underlying datacenter services or platforms if needed

DELIVERABLES

- Cloud Verification Report
- Cloud Verification Checklist (new deployments) or Benchmarking (production deployments)

WORKPLAN

Assessment Phase

- Assessment of your cloud architecture and platform services configuration
- In production environments, execution of comprehensive cloud system benchmarking with your standard workload
- In new deployments, execution of verification testing to ensure the correct and efficient working of OpenNebula
- Review of existing work flows and integrations with OpenNebula APIs

Consulting Phase

- Performance tuning recommendations for cloud architecture and OpenNebula configuration
- Advice for configuration of underlying data center services or platforms, if needed
- Best-practices for existing integrations, if needed

TIME AND COST

Time and cost depend on the size, heterogeneity and complexity of the infrastructure, starting at €3.000 (\$3,750) for small scale infrastructures.

TEAM

All services are delivered by OpenNebula Systems Engineers and Consultants with years of experience designing and building cloud solutions based on OpenNebula.

WHAT THE ADD-ON EXCLUDES

- Any engineering work, or knowledge transfer, training or consulting session.
- The verification of advanced features like high availability, hybrid cloud, and datacenter federation if the customer does not have a support subscription with those extensions.
- The verification of the underlying datacenter services or platforms for processing, storage and networking. The OpenNebula Verification add-on is for OpenNebula and its integration with the underlying infrastructure components, but not a verification of the infrastructure components themselves. The verification of the hypervisor hosts is included if the customer has support with the hypervisor hosts extension.
- The verification of modified software and code not distributed as part of an official Product distribution, releases not available at OpenNebula Websites, technology preview features and unsupported platform or third-party drivers.

Cloud Upgrade Add-on

SCOPE

The Cloud Upgrade Add-on provides an upgrade of your OpenNebula instance. Upgrades are performed without downtime for the VMs and a minimal disruption for the cloud service.

CONTENTS

- Preparation of upgrade plan
- OpenNebula upgrade to the latest version
- Verification testing to ensure the correct and efficient working of OpenNebula

DELIVERABLES

- Cloud Upgrade Report
- Cloud Verification Checklist

WORKPLAN

Assessment Phase

- Preparation of upgrade plan
- Preparation of environment by customer

Engineering Phase

- OpenNebula upgrade
- Execute verification testing to ensure the correct and efficient working of OpenNebula

TIME AND COST

We offer one-time upgrades or all upgrades for the duration of the subscription term. Time and cost depend on the size, heterogeneity and complexity of the infrastructure, starting at 1 day for the Engineering Phase and €2.000 (\$2,500) for small scale infrastructures.

TEAM

All services are delivered by OpenNebula Systems Engineers and Consultants with years of experience designing and building cloud solutions based on OpenNebula.

WHAT THE ADD-ON EXCLUDES

- Any knowledge transfer, training or consulting session.
- The upgrade of advanced features like high availability, hybrid cloud, and datacenter federation if the customer does not have a support subscription with those extensions.
- The upgrade of the underlying datacenter services or platforms for processing, storage and networking. The OpenNebula Upgrade add-on is for OpenNebula and its integration with the underlying infrastructure components, but not an upgrade of the infrastructure components themselves. The upgrade of the hypervisor hosts is included if the customer has support with the hypervisor hosts extension.
- The upgrade of modified software and code not distributed as part of an official Product distribution, releases not available at OpenNebula Websites, technology preview features and unsupported platform or third-party drivers.