

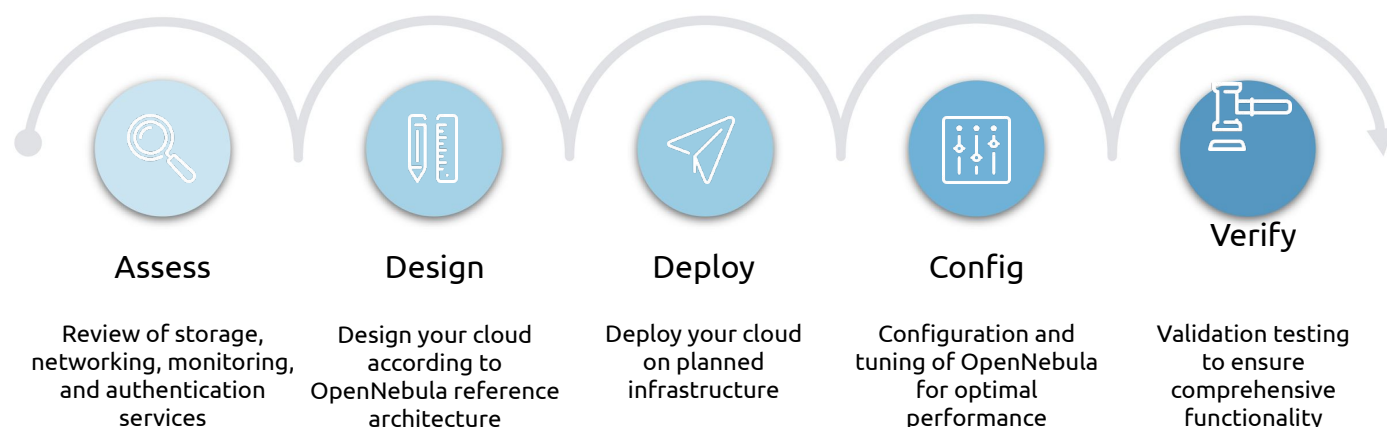
# GUIDE

## Deployment Services



The **simplicity** and **flexibility** of creating an enterprise private cloud using OpenNebula cannot be matched by any competitor in the market. Perhaps you are running KVM hypervisors or LXD containers, or have a VMware infrastructure on-premises. Or maybe you are looking to augment your private cloud with public cloud resources like AWS or Azure to create a hybrid cloud. Or even perhaps you prefer to have an elastic private cloud, complementing your on-premises resources with public cloud bare metal resource providers, allowing you the best of both worlds — an unconstrained private cloud on public resources offering complete control over images, administration, and your own long-term strategy, without any vendor lock-in. OpenNebula can do it all. However, getting your solution off the ground and running smoothly right from the start can prove stressful.

Engage the OpenNebula Systems Engineering team to deploy your OpenNebula cloud infrastructure from start to finish in minimal time, freeing you up so you can focus on your business, not on your infrastructure set-up.



The Cloud Deployment service not only provides a well-tuned working implementation of OpenNebula on the reference architecture, but also provides sample virtual machines to evaluate features, and post-review reference material — Architecture Design Report, Implementation Guide, and a Verification Checklist. In the timeframe of a few weeks, you'll have your OpenNebula solution tested and ready for use.

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

### Deployment Services are Remote

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. Our remote service provides:

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

### SCOPE

The Cloud Deployment service 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 Report
- 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 customer's required underlying datacenter services or platforms
- Preparation of verification plan

#### 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 with a cost of €7.000 (\$8,750) for small-scale infrastructures without High Availability for Front-end or VMs.

### 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 SERVICE EXCLUDES

- Any knowledge transfer, training or consulting session
- The configuration of advanced features like Front-end or VMs 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

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