





Reliable Resilient Block Storage for OpenNebula





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Open Nebulo

OpenNebula Systems

The company behind OpenNebula



- We are an Open Source company.
- Born in 2005 as the first open source solution for IaaS.
- We provide support, professional services & managed cloud services.
- HQ in Madrid (Spain).
- Offices in the US (Massachusetts) and Czech Republic.





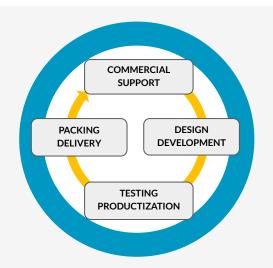


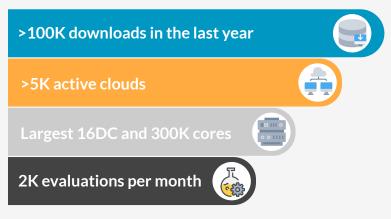




Who is Using OpenNebula?

A Widely Adopted Solution to Build Clouds























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Next Generation Edge Cloud Platform

Build & Manage an On-Demand Edge Cloud Using Resources from Bare-Metal Providers





OpenNebula Subscription

Unlock the Full Power of Your OpenNebula Cloud





No.

SLA-based Support



Professional Services



Knowledge Base

Access to our Enterprise Edition packages and Enterprise Tools

Secure and private support options under a commercial SLA

Access to OpenNebula Systems engineering & consulting services

Access to exclusive contents, tutorials, and critical notifications



Enterprise Edition provides customers a hardened version, with software patches, bug fixes and minor enhancements.

- ✓ LTS releases (i.e. OpenNebula 5.12)
- **Support** provided through a private and secure support portal \rightarrow 9x5 or 24x7



Knowledge Base with Best Practices, Step-by-Step Guides, and Use Cases.



Professional Services:

- ✓ Cloud Deployment & Upgrade
- / Training
- ✓ Consulting/Engineering
- ✓ Managed Cloud Services

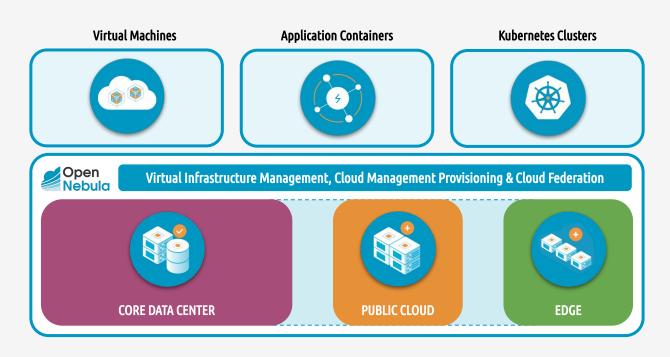


OpenNebula's Open Architecture & Storage Support



What is OpenNebula?

The open source Cloud & Edge Computing Platform bringing real freedom to your Enterprise Cloud 🚀

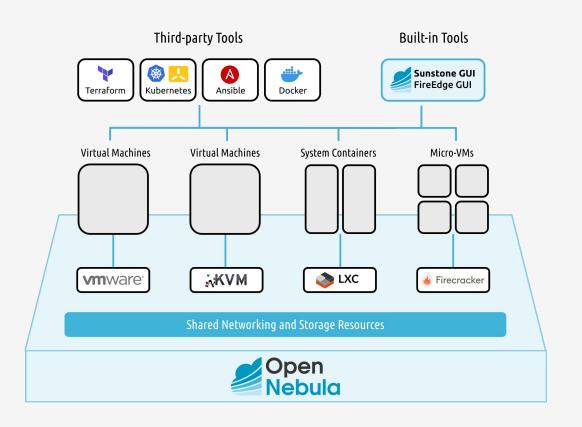


- ✓ Avoids "Vendor Lock-in"
- ✓ Minimizes complexity
- / Reduces resource consumption
- ✓ Slashes operating costs





A unique combination of Virtualization & Container technologies



- ✓ Multi-Tenancy
- ✓ Self-Service
- ✓ Elasticity
- ✓ Multi-Tier Apps
- ✓ High Availability
- ✓ Federation
- ✓ Provisioning
- ✓ Multi-Cloud
- ✓ VMs + Containers



OpenNebula 6.0 "Mutara"

A Quick Overview of Its Main New Features



Clusters as a Service



Edge Cloud Architecture



Enhanced Docker and Kubernetes Support



FireEdge WebUI



Revamped OneFlow

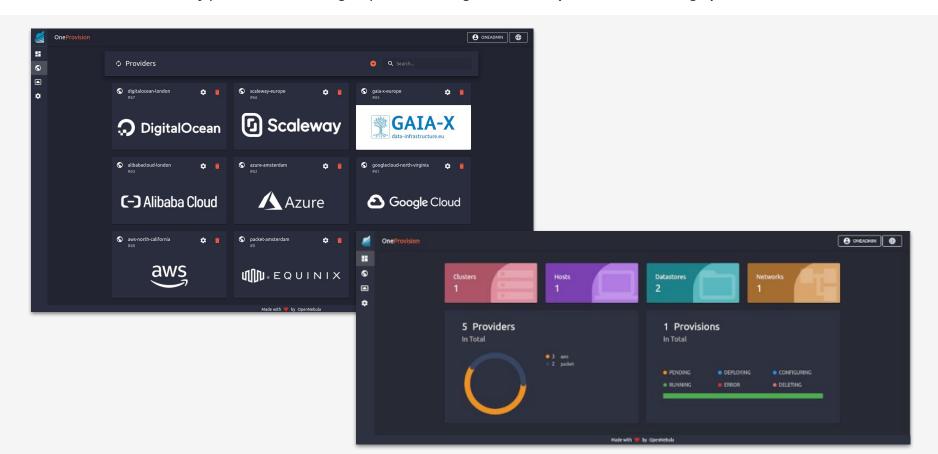


Backups



FireEdge WebUI

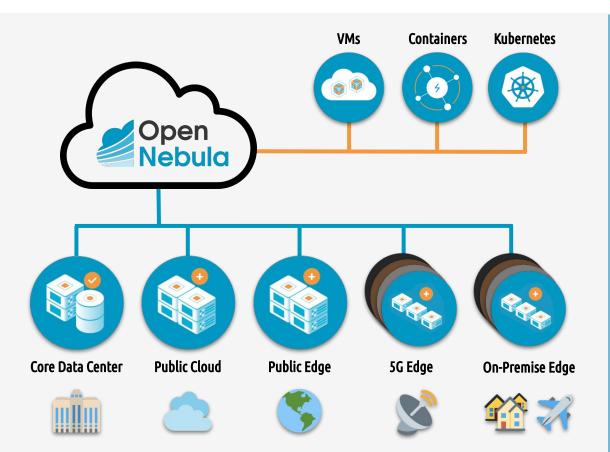
Easily provision and manage OpenNebula edge clusters on public cloud and edge providers.





Cluster as a Service

A powerful solution to expand your Multi-Cloud to the Edge





ANY APPLICATION

Combine application containers with Virtual Machines and Kubernetes clusters.



ANY INFRASTRUCTURE

Expand your Enterprise Cloud by unlocking the power of a true hybrid, edge and multi-cloud architecture.



ANY TIME

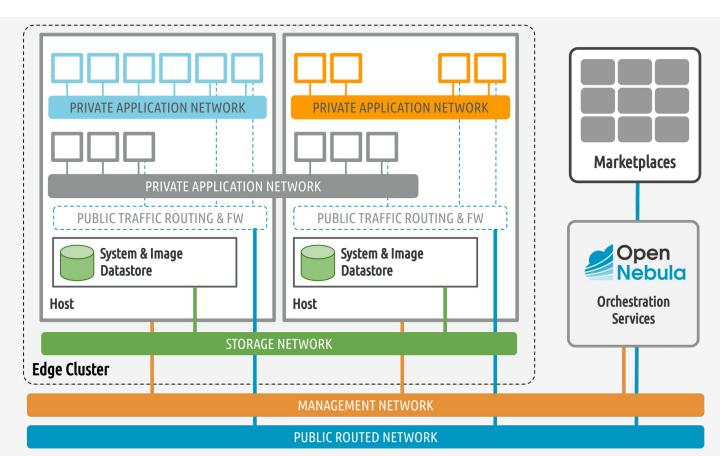
Add new resources dynamically to meet peaks in demand, or fault tolerance and latency requirements.

https://opennebula.io/edge-cloud



Edge Cloud Architecture

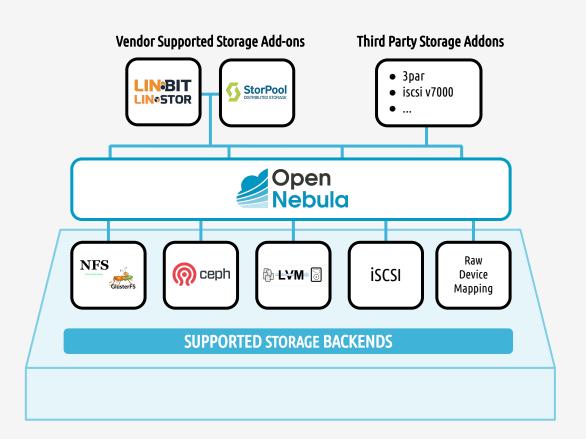
What's Inside?





Storage Backends

What Storage Tech is Supported in my OpenNebula Cloud?









https://github.com/OpenNebula/addon-linstor



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- Leverages DRBD!
- Migrate
- **Snapshots**
- Fast Image Clones

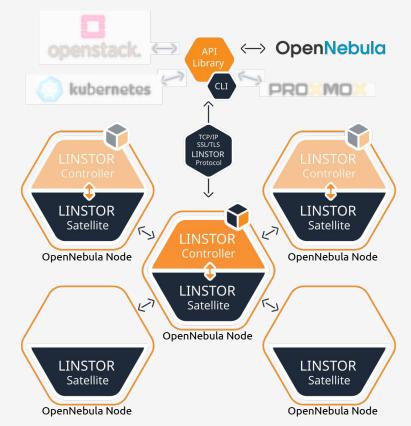








- LINSTOR Satellite's installed on each node
- LINSTOR Controller is independent and can be anywhere in the cluster. (HA capabilities)
- OpenNebula plugin connects OpenNebula with LINSTOR Controller
- Resource-Volumes in LINSTOR reflected as a backend disk in OpenNebula
- VM's can be "Live Migrate" between hosts
- LINBIT SDS Supports OpenNebula 6 "Mutara" perfectly











- Open Source SDS for especially High Performance Infrastructure
- · Available for all main Linux distributions
- Aimed for High Performance, Low-Latency environments as well as Edge Computing
- Millions of Installations
- Supports all kind of workloads
- · No Vendor-Lock in
- Support for almost all operators



- Open Source platform for different workloads
- · Available for all Linux distributions
- Aimed for different scales of production environments
- Simple / Efficient
- VMs & Containers
- · No Vendor-Lock in
- Multi-Hypervisor Support













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