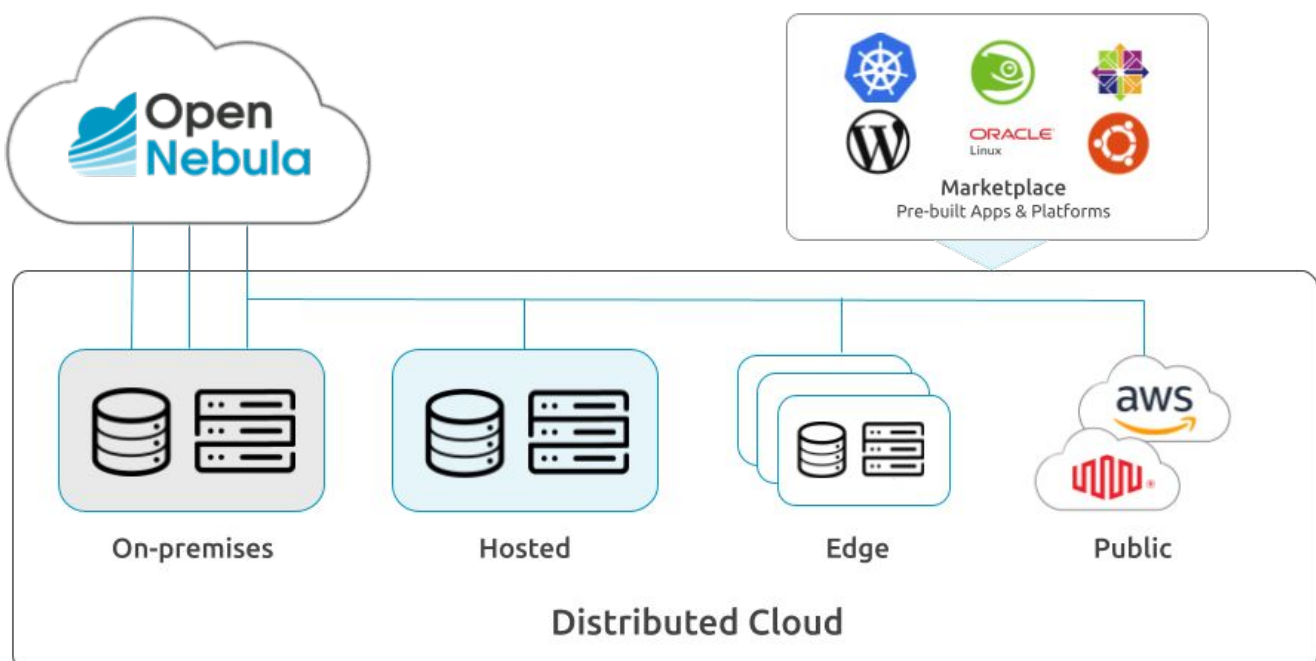


OpenNebula is a simple, but powerful, open source solution to build and manage Enterprise Clouds. It combines virtualization and container technologies with multi-tenancy, automatic provision and elasticity to offer on-demand applications and services.

- It supports both containers with virtual machine workloads in a common shared environment to get the best of both worlds.
- It provides an open cloud architecture to orchestrate compute, storage, and networking driven by software.
- It can easily deploy hybrid and edge environments with resources from AWS and Equinix Metal.

OpenNebula’s maturity builds on over a decade of software releases and thousands of enterprise deployments, being widely used by industry and research leaders.

One Cloud to Rule Them All



Interfaces	<ul style="list-style-type: none">❑ Simple, clean, intuitive GUI for users and admins with different views❑ Powerful CLI that resembles typical UNIX commands applications❑ API in multiple languages
Application Management and Catalog	<ul style="list-style-type: none">❑ Easy self-provision of containerized and virtualized workflows from a catalog❑ Secure sharing of applications with other cloud users❑ Multi tier applications with auto-scaling❑ Gain insight into applications to query their status and metrics
Appliance Marketplace	<ul style="list-style-type: none">❑ Public Marketplace with pre-built applications (PaaS, K8S, CI/CD...)❑ Build your private Marketplace to share and distribute applications❑ Integration with the public Linux Containers image repository
Chargeback	<ul style="list-style-type: none">❑ Fine-grained accounting and monitoring❑ Showback capability enabling the integration with chargeback and billing systems
Capacity and Performance Management	<ul style="list-style-type: none">❑ Fine-grained ACLs for resource allocation❑ Resource Quota Management to track and limit resource utilization❑ Dynamic creation of Clusters as pools of hosts❑ Dynamic creation of Virtual Data Centers as fully-isolated virtual environments❑ Federation of multiple Zones for scalability, isolation or multiple-site support❑ Powerful and flexible Scheduler - deploy your workload in different locations
High Availability and Business Continuity	<ul style="list-style-type: none">❑ High availability architecture❑ Persistent database backend with support for high availability configurations❑ Configurable behavior in the event of failure for cost-effective failover solutions
Virtual Infrastructure Management	<ul style="list-style-type: none">❑ Virtual infrastructure management adjusted to enterprise data centers❑ Complete life-cycle management of virtual resources❑ Powerful hooking system❑ Full control, monitoring and accounting of virtual infrastructure resources❑ Fine-grained multi-tenancy
True Hybrid and Edge Cloud	<ul style="list-style-type: none">❑ Dynamically grow your private cloud with remote cloud providers❑ Automatic provision of remote resources
Platform	<ul style="list-style-type: none">❑ Fully platform independent❑ Broad support for commodity and enterprise-grade infrastructure platforms❑ Packages for major Linux distributions
Security	<ul style="list-style-type: none">❑ Fine-grained ACLs and user quotas❑ Powerful user, group and role management❑ Integration with enterprise and open-source user management services❑ Fine-grained auditing and support for isolation at different levels
Integration With Third-Party Tools	<ul style="list-style-type: none">❑ Modular and extensible architecture❑ Customizable plug-ins for integration with any third-party data center service❑ API for integration with higher level tools such as billing, self-service portals...
Licensing	<ul style="list-style-type: none">❑ Fully open-source software released under Apache license
Upgrade Process	<ul style="list-style-type: none">❑ Automatic import of existing environments❑ All key functionalities for enterprise cloud in a single install❑ Long term stability & performance through a single patching and upgrade process
Quality Assurance	<ul style="list-style-type: none">❑ Internal quality assurance process❑ Technology matured through an active and engaged large community❑ Scalability, and performance tested on many massive scalable deployments
Product Support	<ul style="list-style-type: none">❑ Best-effort community support❑ SLA-based commercial support directly from the developers