OCS is world's most advanced OpenStack cloud infrastructure

Open Cloud System (OCS) is a complete Infrastructure as a Service (IaaS) solution powered by our 100% open source OpenStack™ distribution. OCS is designed for enterprises and web application companies to address the requirements of next-generation dynamic web apps, SaaS/PaaS deployments and big data implementations. As a hybrid cloud operating system, OCS combines the agility, automation and cost benefits of the leading public cloud providers with the flexibility, performance and control of your own private cloud.

Available.   Performant.   Interoperable.

Hybrid Cloud Operating System

To create OCS, Cloudscaling leveraged the innovations pioneered by cloud infrastructure teams at Amazon Web Services and Google Cloud Platform. With a systems approach that implements both architectural and behavioral compatibility with leading public cloud services, OCS delivers cost-effective elastic infrastructure, modular scalability and production-grade features. With OCS, you get the benefit of full OpenStack project compatibility delivered in a proven, turnkey solution and supported by cloud experts.

## OCS on Quanta is a proven combination, production-ready today

With years of production-grade IaaS experience, we know that testing and certifying specific infrastructure hardware is critical to enable support for the entire running system (including the hypervisor, hardware infrastructure and network elements). There is sufficient variability across even industry standard hardware to introduce instability in large-scale, distributed systems.

Given their long standing relationship with hyper-scale web service providers, Quanta QCT is a natural choice for the hardware to power elastic cloud infrastructure. The solution features the latest release of OCS running on certified Quanta QCT Intel-based hardware and high performance low latency L2/L3 network switches, providing a complete private cloud environment with comprehensive management and CAPEX and OPEX savings that are hard to match.

Leverages modular, industry standard hardware rack configurations

So how do you quickly deploy a scalable, elastic cloud that can handle multiple tenants with a wide range of different workloads and performance requirements? Enter Open Cloud System's CloudBlocks™ architecture. CloudBlocks is a unified software and hardware reference architecture for enabling managed blocks of cloud capacity to match application workload demands with the appropriate virtual infrastructure resources. CloudBlocks enable you to design, deploy and manage one rack or block at a time. By providing a proven and scale-engineered reference architecture, OCS CloudBlocks speed time to deployment, simplify overall capacity management and optimize application performance.
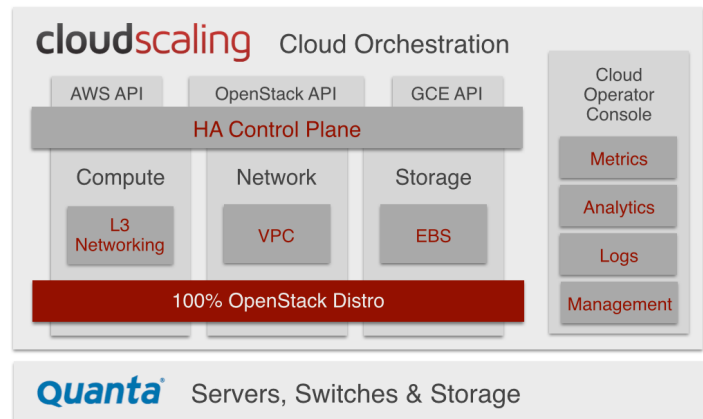
Ready Configurations From Pilot to Production

Most users first test drive OCS using Cloudscaling's evaluation cloud, OCSgo, hosted on Quanta hardware at Equinix. For users that want an onsite proof of concept with hands on testing of OCS on Quanta hardware, Cloudscaling offers Pilot starter footprints in small, medium and large capacity configurations.

Example Large Pilot Configuration*
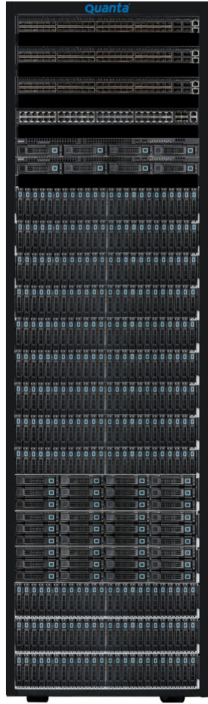
Networking

Elastic Block Storage

Compute

Object Storage

Control Plane

*96 Cores, 768 GB RAM, 108 TB Object Storage, 54 TB Block Storage

Production cloud infrastructure configurations start with two racks and scale out as needed. For more information, visit us at www.cloudscaling.com or contact sales@cloudscaling.com.

Quanta

Quanta QCT, a leader in server hardware, provides a comprehensive line of server, storage and networking solutions to datacenter and enterprise customers. Each server and storage system is specially designed to provide optimal performance with minimal footprint, power, and cooling. Quanta QCT offers customers a hard to match CAPEX and OPEX savings. For more info visit www.quantaqct.com.

cloudscaling

openstack
CLOUD SOFTWARE

Cloudscaling is the trusted source for information on OpenStack and together with the community is making OpenStack more production-grade. For more information, please visit www.openstack.org.

Why Cloudscaling & Quanta?

Hybrid Cloud Interoperability
OCS is the only solution delivering both API and behavioral compatibility with Amazon Web Services and Google Compute Engine to enable deployment of applications into the best fit environment.

99.999% Uptime Control Plane
You can build a 99.999% app on 99.5% infrastructure. With a highly available control plane, your applications can route around failures with no downtime.

Robust Cloud Management
With OCS lifecycle management, you can manage racks of servers as a single resource to deliver unparalleled cloud management efficiencies. From cloud provisioning to capacity rebalancing to upgrades, what used to take days can be accomplished in minutes.

Predictable Deployment Cost
Deploying OCS eliminates the guesswork present in do-it-yourself and integrator-assisted OpenStack implementation options, resulting in rapid deployment with reduced costs, higher system reliability and lower operational effort.

Complements Existing Infrastructure
Cloudscaling OCS can be deployed on Quanta QCT hardware in a starter footprint alongside existing enterprise virtualization to support scale-out, dynamic applications.

Modular Scalability
The OCS CloudBlocks architecture makes it easy to define, organize, and manage blocks of cloud capacity through the intelligent integration of software with certified hardware reference configurations. Start small and scale linearly without cloud infrastructure re-engineering.

24x7x365 Support
Cloudscaling support is comprehensive for the running system from the concrete up as Cloudscaling has certified the Quanta QCT hardware to support the block designs, implemented the networking model and configured the software for the infrastructure deployment.

Forward Upgrade Path
Cloudscaling delivers seamless system upgrades as the entire stack is treated as an atomic unit. With Cloudscaling and Quanta QCT, your cloud only gets better with time.