cloudscaling

Who is Cloudscaling?

Cloudscaling is the leading provider of elastic cloud infrastructure (ECI) solutions built on OpenStack technology that provide the agility, performance and cost benefits of Amazon Web Services (AWS) and Google Compute Engine (GCE), within the governance and control of your own data center. Cloudscaling is a founding member of the OpenStack Foundation, is a top ten contributor of code to the project, and CoFounder and CTO Randy Bias is a charter member of the Foundation Board.

Who uses Cloudscaling?

Companies across industries such as financial services, retail and Web are leveraging elastic cloud infrastructure to create operational efficiency, drive new revenue and achieve competitive advantage. Whether it's agile infrastructure for application development teams, big data processing or mobile & web application delivery, organizations are using OCS-powered elastic cloud infrastructure as an alternative or complement to costly and complex enterprise virtualization systems.

Cloudscaling is also used by communication service providers (Telcos, MSOs and Cable Operators) seeking to capitalize on the market for cloud infrastructure services and deliver new, dynamic cloud applications to their customers.

What is Elastic Cloud Infrastructure (ECI)?

Elastic cloud infrastructure delivers the core capabilities of public cloud computing along with full control and governance in the privacy of your on premise data center.

Elastic Cloud Infrastructure is NOT an enterprise server virtualization platform with cloud management and automation layered on top. It is a purpose-built, hypervisor-neutral solution designed to help IT deploy clouds the way the world's largest and most successful public clouds are built. Elastic cloud infrastructures are open, flexible and deliver compelling price-performance for not only deploying and managing dynamic cloud application, but also efficiently scaling services up and down based on demand.

The ECI model focuses on agility. It throws legacy complexity out the window in favor of simple, modular services. ECI makes applications responsible for their own fault tolerance to enable extremely scalable and reliable applications that run on commodity hardware with simplified operations.

What is the Open Cloud System (OCS)? What benefits does it offer?

Open Cloud System is Cloudscaling's core product. It's an open source, production grade solution that allows enterprises and service providers to build on premise clouds that are compatible with AWS and GCE.

For companies that want public cloud capabilities and economics behind their firewall, OCS enables IT to build, scale and manage private elastic cloud infrastructure to enable a new generation of dynamic cloud-based applications and services for the business. Other benefits include:

- Achieve public cloud agility with on-premise control and security
- Mitigate shadow IT risks
- Repatriate applications and data from AWS or GCE
- Modernize IT infrastructure and reduce complexity

How is Cloudscaling's OCS compatible with AWS or GCE?

If you want the flexibility to federate workloads between private and public clouds (in hybrid cloud scenarios), then the private cloud must be behaviorally and architecturally compatible with the chosen public cloud provider essentially becoming an extension of the public cloud. Because the architecture of OCS is consistent with that of Amazon or Google infrastructure, it doesn't require significant reengineering to redeploy apps to either. OCS minimizes differences in storage,

networking and APIs so you can deploy across public and private clouds as needed. OCS includes a number of capabilities that recreate the architecture, cost model and scalability of leading public clouds including:

- Advanced resource scheduling
- Scaleout networking model
- Block based reference architecture
- Certified, proven commodity hardware
- 100% open source hypervisors

What are dynamic applications?

Elastic cloud infrastructure was created to cost effectively support a new generation of dynamic, services based applications on commodity compute infrastructure. By definition, these apps are highly scalable and highly distributed with rapid release cycles to accelerate innovation. These new cloud-ready applications are self-managing, resilient to failure, and designed to take advantage of on-demand scale-out infrastructure such as those provided by leading public cloud services.

What workloads benefit most from Elastic Cloud Infrastructure?

The workloads best suited for elastic infrastructure include:

- Big Data Processing and Analytics
- Scaleout web applications: social, mobile, collaboration
- PaaS running packaged and custom business applications
- Dev/Test
- Hybrid Cloud application
- Backup / Disaster Recovery

Can I run the system on existing hardware?

No, we certify our solutions on hardware by Quanta, Dell, and Super Micro and provide reference architectures. You choose hardware configurations from vetted blueprints to address your workload and performance requirements.

How can I get started?

Have a question for the Cloudscaling team or want to discuss your project? Contact us at www.cloudscaling.com Customers with qualifying projects are eligible to access our demo and testing environment, where you can run test workloads and learn firsthand how OCS makes deploying, managing, federating and scaling your production-ready elastic cloud infrastructure easier than you've imagined.

ABOUT CLOUDSCALING *Cloudscaling is the leading elastic cloud infrastructure company, delivering production-grade cloud software for on-premise Infrastructure as a Service (IaaS). Our core product, Open Cloud System (OCS) is powered by OpenStack and designed to meet the requirements of next-generation dynamic applications. OCS delivers the agility, performance and economic benefits of leading public cloud providers, but deployable in the customer's data center and under the IT team's control. Cloudscaling is backed by Trinity Ventures and headquartered in San Francisco. For more information, please visit www.cloudscaling.com*

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