OneCloud Hypervisor

ENABLING THE HYPERCONVERGENCE OF PRIVATE AND PUBLIC CLOUDS INTO SINGLE INFRASTRUCTURE

The only all-in-one, instant-on software-defined solution for public and private cloud infrastructures that reduces costs by 45%.

HTBase

Whether a public or private cloud, the consensus among IT architecture professionals is that true cloud computing benefits revolve around scalability, instant provisioning, virtualized resources and the ability to expand the server base quickly. HTBase's OneCloud Hypervisor (OCH) goes beyond IT architecture efficiencies to bring significant enterprise-wide business advantages.

In order to facilitate enterprise adoption of true cloud environments and drive IT transformation, companies must break free of current Infrastructure as Service (IaaS), single-provider clouds—both public and private—that lack interoperability and are not optimized for cost, availability and performance. OneCloud Hypervisor is the new standard. OCH is a thin, immediately deployable hyperconvergence layer designed to homogenize and simplify diverse and complex cloud infrastructures to bring companies unprecedented cost savings, IT management efficiencies and control.

MULTI-CLOUD becomes one cloud

Multi-cloud deployment facilitates fault tolerance strategies that can withstand the failure of an entire provider, and offers new resource management and economic alternatives to would-be cloud companies that manage elaborate private cloud infrastructures. Public clouds that are well integrated with private ones provide an outlet for excess load or growth.

HTBase's OneCloud Hypervisor advocates a business-centric approach, delivering an unprecedented level of control over the virtualization, storage and network layer available in the public cloud, where organizations can run unmodified virtual machines (VMs) on any cloud, without any special provider support
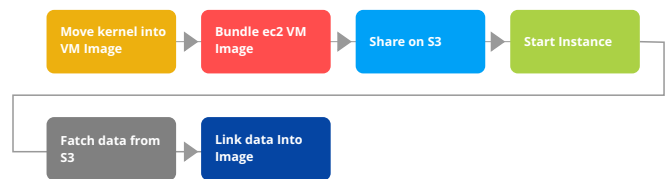
INTEGRATED cloud future

The OneCloud Hypervisor layer exposes a homogeneous layer across multiple environments. With OCH, hyperconvergence, hypervisor and storage level functionalities and powerful management tools like VM migration and more.

OCH elegantly homogenizes diverse public cloud environments so that companies can easily migrate their VMs to and from Amazon EC2 with no modifications to the VMs. OneCloud Hypervisor's user-centric design affords greater flexibility and better control of VM resources such as network, memory, and disk. As a direct result, an OCH image on EC2 can host 40 CPU intensive VMs for 47% of the price per hour of 40 small instances with matching performance.

BOUNDARIES disappear

OneCloud Hypervisor homogenizes and simplifies the process of migrating a VM between two clouds managed by two different providers. Without OCH, the process of VM migration among multiple clouds is fundamentally limited. Want to live migrate a VM between different cloud providers? Orstore a copy of your VMs disk in one cloud provider and the other copy in another provider, andwhile your VM brought up instantly in the secondary public cloud provider in case of failure? With OneCloud Hypervisor, you can do what was previously impossible, and more.

Move kernel into VM Image → Bundle ec2 VM Image → Share on S3 → Start Instance

Fetch data from S3 → Link data Into Image

Multi-phase migration process from private to AWS

Click migrate

One-click migration from private to AWS with OCH

STORAGE that adapts

OneCloud Hypervisor couples public cloud homogenization with its storage layer, HyperTask File Storage (HTFS). Features include:

- Choose where your replicas will be (e.g 1 at AWS, 1 internally and 1 at Google Cloud)

- Monitor detailed performance by hosts, either local or cloud

- Detailed performance by the individual disk level, so you always know which cloud provider offers you the best solution and performance

- Control of QoS by cloud provider

With OCH and HTFS, companies build the tier level their desire for their VMs.Choose to limit use of solid state drives (SSDs) from AWS, and hard disk drives (HDDs) from Google Cloud when storing your VM's information, allowing organizations to make optimal use of technology and control public cloud costs.

FOCUS on what matters

Using OneCloud Hypervisor when migrating VMs between public and private cloud environments, VM's network configurations are maintained at all times., There is no need for manual reconfigurations when virtual machines are deployed into the new cloud provider, resulting ina true software-defined network layer and freeing up

OCH benefits

- ● COST

45% estimated cost reduction on public cloud costs

- ● HYPERCONVERGED CLOUD

One cloud that converges public clouds, such as Amazon EC2 and Google Cloud, as well as private cloud and infrastructures, all managed from a single interface

- ● VIRTUAL MACHINE MOBILITY

Move virtual machines without having to reconfigure networks with a Software-Defined Storage and Network layer that spans across your private and public cloud

- ● FULL CONTROL

Granular control as you scale out storage across different clouds, including choice of where replicas of the virtual machines and data will be

- ● HYPERCONVERGENCE

All the benefits you get from HyperTask as your hyperconvergence platform but now expandable to the cloud through OCH

Want to know how OneCloud Hypervisor can benefit your organization?
Schedule a demo today.

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