

The Cloud Infrastructure Company

With the transition towards Software-Defined Data Center (SDDC), IT is aiming to achieve multiple benefits for managing infrastructure and meeting modern day applications and business needs, leading towards the adoption of the cloud paradigm.

Delivering public cloud experience in the enterprise data center Stratoscale Symphony is a holistic software solution offering IT a software-defined data center, working out-of-the-box with all the functionality and features required to run and operate a cloud environment. Converging compute, storage and networking with built-in management tools and a set of standard APIs, Stratoscale Symphony can be up and running in minutes removing cumbersome integration, long project times, high TCO and risk of failure. With Stratoscale Symphony deploying, managing and scaling cloud infrastructure has never been so achievable.

The Challenge:	How Can Stratoscale Help
Freedom of Choice & Best TCO	<ul style="list-style-type: none"> • Use any x86 HW, existing or new. • Simple deployment with fast & easy installation. • All storage resources are combined into a unified storage pool, eliminating the need for dedicated storage. • Management services are balanced across the cluster, requiring no additional dedicated HW.
Pay As You Grow	<ul style="list-style-type: none"> • Start with 3 nodes and scale to hundreds. • HW-heterogeneity to scale only with the resources you need. • Delivered as a subscription model with no upfront commitment.
Agility with Ease of Use and Openness	<ul style="list-style-type: none"> • Built-in DR tools, Self-healing and self-balancing mechanisms supporting enterprise grade environments and high-availability. • Smart provisioning and management of all resources move workloads across the data center with no downtime for enterprise-grade performance and resiliency. • Intuitive and standard set of RESTful API's and self-service tools based on OpenStack APIs for ease of integration within the ecosystem. • Supports both Linux and Windows based virtual machines as well as containers.

Stratoscale Symphony: Use Case

Leading the evolution from the traditional siloed data centers towards the future-proof, reponsive, scalable and affordable, Stratoscale Symphony can be implemented to support the following use cases.

- **Enterprise private cloud** - Stratoscale gives you the power to transform your IT from a manually provisioned silo based deployment into an agile, cloud-powered HW agnostic SDDC. With Stratoscale Symphony, you can launch your private hyperconverged cloud within minutes.
- **Software-only hyperconverged** - Integrating compute, storage and networking on any x86 Hardware simplifying IT processes so both staff and time are saved.
- **OpenStack Ready Private Cloud** - as OpenStack becoming increasingly complex to deploy, maintain and operate. Stratoscale Symphony is providing OpenStack support and compatibility out of the box to deploy a production-ready OpenStack framework in minutes.
- **DevTest** - Using Stratoscale Symphony as your Dev & Test infrastructure enables an agile environment setup, while maximizing the utilization of resources and keeping IT expenditure stable.
- **Public cloud** - Stratoscale Symphony enables Managed Service Providers (MSPs) and System Integrators to power their service platform and increase profitability while better serving their customers through a web-scale public cloud.
- **Big Data** - Move ahead with any big data initiative by optimizing the deployment & management of virtualized Hadoop installations.

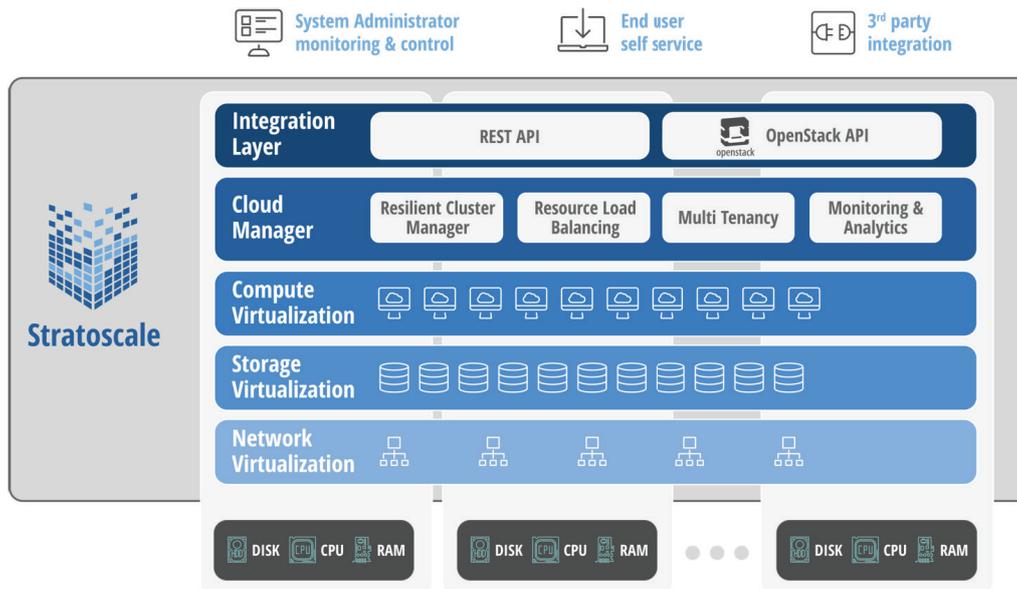
About Stratoscale

Stratoscale is the cloud infrastructure company, providing comprehensive cloud infrastructure software solutions for service providers, enterprise IT and development teams. The company's comprehensive cloud data center software, Stratoscale Symphony, can be deployed in minutes on commodity x86 servers, providing an Amazon Web Services (AWS) experience with the ability to augment aging VMware infrastructure. Stratoscale was named a "Cool Vendor in Servers and Virtualization" by Gartner and is backed by over \$70M from leading investors including: Battery Ventures, Bessemer Venture Partners, Cisco, Intel, Qualcomm Ventures, SanDisk and Leslie Ventures.



For more information, visit
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Stratoscale Symphony is comprised of the following functional areas:



1. Symphony Hypervisor - the hypervisor is based on KVM and resides at the heart of the Stratoscale Symphony solution to provide unified and complete virtualization for compute, storage and networking with no need for third-party SW. The hypervisor assures enterprise-grade virtualization of any application to build a simple yet, resilient, optimized and highly-available software-defined-datacenter.

2. Symphony Storage - Stratoscale Symphony includes a comprehensive storage functionality that is designed to be extremely scalable, agile and flexible while fully compatible with the requirements of cloud computing. The storage is native to the hypervisor to reduce latency, overhead, and to increase throughput. Our distributed, high-performance block storage service, stripes all I/O across each available storage device in the rack, e.g., HDDs and flash devices to assure durability in case of failure. Storage functionality can be extended to take advantage of the existing storage assets that already exist in the data center.

3. Symphony Networking - Stratoscale Symphony features a native virtual networking function that manages the physical network as a shared traffic capacity, with integrated QoS and automatic bandwidth allocation for storage, VM mobility, and application traffic. Networking capabilities include virtual switching, routing, NAT, security groups and other L3/4 services, with integration with leading SDN solutions (e.g Cisco) for advanced networking use cases like service chaining. To simplify virtual network deployment Stratoscale Symphony includes automatic networking setup, automatic interfaces discovery and IP configuration.

4. Control & Management - Stratoscale Symphony is built for enterprise deployment with internal data recovery tools, optimal resource utilization and allocation using technologies such as memory deduplication and patented hypervisor memory management, sub second workload mobility with post-copy-live-migration technology. The smart policy engine continuously optimizes resource provisioning and allocation, leading to higher percentage of utilization without compromising on performance. Stratoscale Symphony is designed with a fully distributed architecture and self-healing tools, ensuring high availability and preventing data loss. In addition, the system monitors resource consumption and constantly assures workloads availability and performance by automatically balancing and rebalancing the load as needed.

5. UI and Integration - Stratoscale Symphony has a built-in centralized administration tool to simplify the management of the physical cluster and the virtual environment. In addition, the solution is exposed to end users through the self-service interface that provides full IaaS capabilities for users to generate on-demand requests for new machines or through cloud management platforms using the inherent Openstack standard APIs with full support for OpenStack' NOVA, NEUTRON and CINDER services.

How to Buy

Contact us: info@jtol.co.uk

Licensing

Stratoscale Symphony is licensed based on a subscription model with no upfront commitment.