

What is ZeroStack?

ZeroStack is a full-stack private cloud solution built using modern distributed systems technology. The solution combines hyper-converged hardware with self-healing management software, tons of advanced cloud-management capabilities, and a fully featured self-service portal and app store. With ZeroStack, enterprises can start small with a few hyper-converged nodes and grow based on demand. The system is designed to drastically reduce the operational expenses usually incurred by enterprises. The platform is based on the OpenStack Cloud Platform and exposes 100% pure OpenStack APIs.

Why ZeroStack?

Zero touch cloud: ZeroStack is self-healing. No dedicated cloud experts or professional service help is needed to build or operate the cloud.

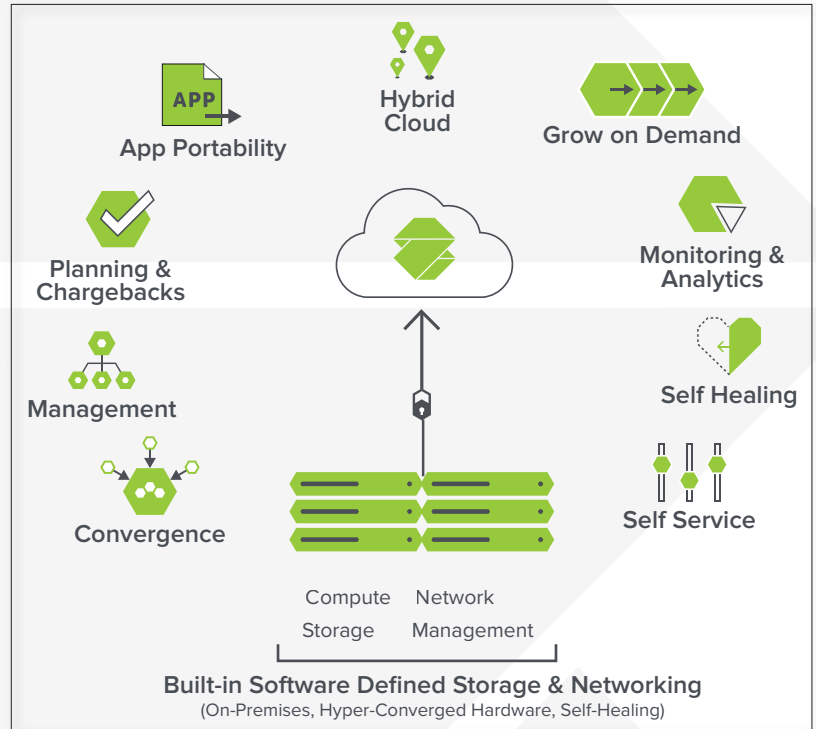
Application portability: One-click VM migration from an existing infrastructure such as VMware vSphere.

True hybrid cloud: ZeroStack allows you to deploy workloads on AWS and to migrate workloads from AWS to ZeroStack and back.

App deployment and consumption via SaaS: Create, extend, and deploy multi-tier applications using templates from the self-service portal with ease.

Rich management features: Monitoring and analytics, capacity planning, showback, and multi-site support all packed into the ZeroStack platform.

ZeroStack Cloud Platform Components



zBlocks - ZeroStack Cloud Building Blocks

Hyper-converged hardware building blocks. The standard zBlock is a 2U enclosure with four server nodes, with standard configuration of 64 CPU cores, 512 GB RAM, 6.4 TB of SSD, and 16 TB of HDD. Multiple configurations are available. Customers can start with a few blocks and scale based on demand. The on-premise infrastructure provides:

- ◆ Distributed control plane, no dedicated controller nodes
- ◆ Scale on demand
- ◆ Self-healing management ZeroStack is HA by default
- ◆ Software-defined networking (SDN) and storage
- ◆ 100% OpenStack API compatible, offers OpenStack Kilo and Liberty. OpenStack Services offered: Nova, Neutron, Cinder, Glance, Heat, LBaaS, Keystone
- ◆ Object store with S3 compatible API
- ◆ Built-in support for AD/LDAP

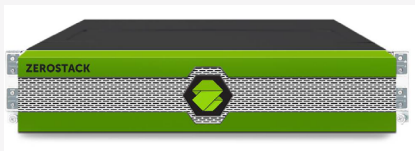
ZeroStack SaaS

- ◆ Multi-site cloud administration
- ◆ Self-service portal with built-in approval system for resource allocation
- ◆ Single-click application deployments from templates or blueprints
- ◆ Big data analytics based monitoring and troubleshooting
- ◆ Capacity planning, usage, and showback support
- ◆ Seamless integration with AWS



Get Enterprise-Ready OpenStack Cloud Today

| | |
|-------------------------------------|--|
| zApp Store | Secure, private application store to browse, search, and deploy multi-tier apps. Rich and growing set of application and image templates: <ol style="list-style-type: none"> 1. CI/CD tools such as Jenkins 2. Big data applications such as Hadoop and Spark 3. SQL and NoSQL databases 4. Monitoring and analysis tools such as ELK 5. Application servers such as Apache and NginX |
| High availability | HA of management platform, VM HA to protect workloads. |
| Migration from vSphere | One-click migration of VMs from vSphere to your OpenStack cloud. |
| Policy-based placement | Workload placement policies designed to support host groups, storage pool types, and affinity/anti-affinity rules. Use these to offer different sets of performance and protection guarantees to your workloads. |
| Hybrid cloud support | Seamless workload deployment and migration across private and public clouds. Migrate your applications from existing AWS environment to the ZeroStack private cloud and back. Single pane of glass across both clouds. |
| Backup and restore | Ability to back up and restore VMs to external NFS mounted storage. Support for backup policies. |
| Support for external storage | ZeroStack works with external primary storage if customers want to leverage their external storage systems. |



Flexible Configuration, Scale on Demand

| TECHNICAL SPECIFICATIONS | | | | | PHYSICAL SPECIFICATIONS |
|--------------------------|---|--|---|--------|---|
| Model | Z140 | Z140c | Z140i | Z140x | |
| CPU | 8 x Intel® Xeon® processor E5-2600 v3 (8 cores, 2.60 GHz) | 8 x Intel Xeon Processor E5-2600 v3 (14 cores, 2.30 GHz) | 8 x Intel Xeon processor E5-2600 v3 (8 cores, 2.40 GHz) | Varies | <p>Dimensions Width 17.25" Height 3.47" Depth 28.75"</p> <p>Weight Gross Weight 90 lb. Net Weight 72 lb.</p> <p>Power Supply Titanium Level 96% High-Efficiency Redundant</p> <p>AC Power Input 100-127 V 50-60 Hz 200-220 V 50-60 Hz 220-230 V 50-60 Hz 230-240 V 50-60 Hz</p> <p>Total Power Output 1000W 1800W 1980W 2000W</p> <p>Operating Requirements Operating Temperature 10° to 35° C (50° to 95° F) Non-operating Temperature -40° to 70° C (-40° to 158° F) Operating Relative Humidity 8% to 90% (non-condensing) Non-operating Relative Humidity 5% to 95% (non-condensing)</p> <p>RoHS Compliant</p> |
| Memory | 32 x 16 GB DDR4 2122 MHz E/R memory | 64 x 16 GB DDR4 2122 MHz E/R memory | 64 x 16 GB DDR4 2122 MHz E/R memory | | |
| Storage | 8 x 2.5" 800 GB SATA SSD | 8 x 2.5" 800 GB SATA SSD | 24 x 2.5" 800 GB SATA SSD | | |
| | 16 x 2.5" 1 TB SATA 6 HDD | 16 x 2.5" 1 TB SATA 6 HDD | - | | |
| Network | 2 x RJ45 10GBase-T or SFP+ ports and 1 x RJ45 dedicated IPMI LAN port | | | | |