

DATA SHEET

ZeroStack's Intelligent Cloud Platform

ZeroStack Delivers

ZeroStack's Intelligent Cloud Platform is a fully integrated cloud solution that delivers a private cloud with the ease of use of a public cloud at a fraction of the cost. This solution is fully integrated with public clouds to offer seamless migration between clouds.

Three Key Innovations

Z-COS: ZeroStack's cloud operating system converts servers in to a hyper-converged cloud faster than any other vendor, and with integrated intelligence works in tandem with Z-Brain to build the world's first self-driving cloud. Z-COS is a fully integrated stack and includes software-defined storage (SDS), software-defined networking (SDN), a full-functioned hypervisor and a distributed, self-healing control plane.

Z-Brain: ZeroStack's intelligent software dramatically reduces operational tasks, and learns by leveraging a big-data layer that stores and analyzes rich telemetry using AI and machine learning which take the guesswork out of capacity planning, upgrades, ongoing management and troubleshooting. The on-premises infrastructure is consumed via a SaaS-based user interface, running in the cloud.

Z-AppStore: The integrated App Store enables 1-click deployment of many applications for rapid application development and deployment.

ZeroStack's intelligent cloud platform is foundational for a highly agile, cloud-managed datacenter, that offers ultimate control and governance and dramatically lowers time to value while reducing costs.

Why ZeroStack?

'Hands free' cloud deployment and ongoing operations / management

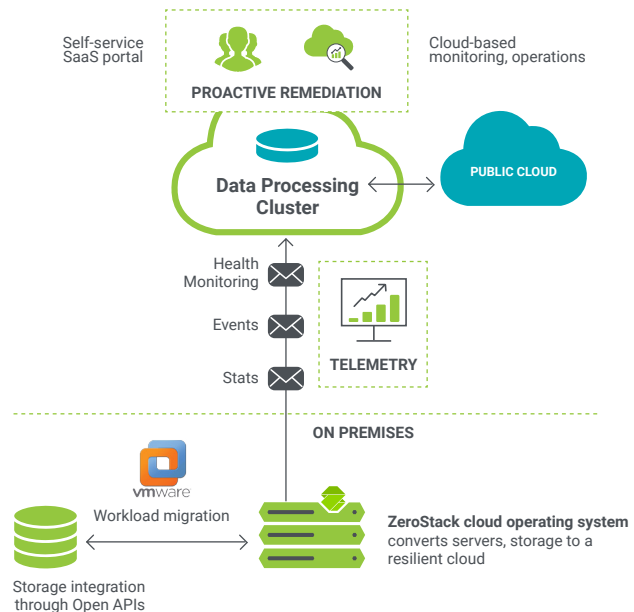
- AI-based decision making through real-time telemetry help customers make decisions about capacity planning, troubleshooting and optimized placement of applications.
- Intelligent software self-manages and self-heals your on-premises cloud. And with SaaS-based management, zero on-premises management software is required.

Accelerate time to value

- There is no Day 0 with ZeroStack.
- Build and deploy private cloud in minutes instead of weeks / days.
- Fully-packaged hands-free 1-click install, turnkey on-premises solution available in ready-to-consume appliance form factors or as software.

Affordable for everyone

- No Cloud Architects or experts needed to deploy, run and manage the infrastructure.
- All-inclusive software licensing; low risk pay-as-you grow pricing consumption model.



ZeroStack Cloud Operating System (Z-COS) – a self-healing, highly distributed on-premise control plane

Complete	<ul style="list-style-type: none"> • Full-functioned built-in KVM based hypervisor • Clustering capabilities, pooling of resources • Software defined (storage pools) and support for external storage with complete backup and restore capabilities • Software defined networking (network overlay)
Reliable	<ul style="list-style-type: none"> • HA of management platform, VM HA to protect workloads • Self-healing, controller-less design
Enterprise-ready with Open APIs	<ul style="list-style-type: none"> • 100% OpenStack API compatible • Object store with S3 compatible API • Built-in support for AD/LDAP

Z-COS can run on your existing servers or can be procured from ZeroStack as Z-Blocks – Hyper-converged Hardware Cloud Building Blocks which come preloaded with the latest Z-COS.

Z-Brain – the cloud-based learning-engine that uses real-time telemetry and big-data analytics to continuously optimize your on-premises cloud

Automation	<ul style="list-style-type: none"> • Automated workflows for common tasks-as-a-service • Self-service portal with built-in approval system for resource allocation • Big data analytics based monitoring and troubleshooting • Usage reports and granular showback
Planning & Optimizations	<ul style="list-style-type: none"> • Capacity planning at infrastructure and project level
Hybrid Cloud Ready	<ul style="list-style-type: none"> • Seamless integration with AWS; Multi-cloud support • Application migration across VMWare and AWS clouds • 1-click migration of VMs from vSphere to your ZeroStack cloud • Multi-site cloud administration

Z-AppStore – a built-in application store provides templates for 1-click deployment of applications. Secure, private application store to browse, search, and deploy multi-tier apps

1-click Application Deployment	<ul style="list-style-type: none"> • Open standard template language • Easy to modify to create custom app templates • Rich and growing set of application and image templates - both standard enterprise apps and next-gen apps like LAMP, NoSQL, CI/CD, Big-data analytics and IPAM
---------------------------------------	--

Z-Block – ZeroStack Cloud Building Blocks

The standard Z-Block is a hyper-converged 2U enclosure with four server nodes, with standard configuration of 80 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. Z-Blocks run Z-COS.

Z-Block Technical and Physical Specifications				
Technical Specification				
Model	Z140	Z140c	Z140i	Z140x
CPU	8 x Intel® Xeon® (incl. Skylake) E5-2600 v4(10 cores, 2.2 GHz)	8 x Intel® Xeon® (incl. Skylake) E5-2600 v4(16 cores, 2.1 GHz)	8 x Intel® Xeon® (incl. Skylake) E5-2600 v4(16 cores, 2.1 GHz)	Varies
Memory	32 x 16GB DDR4	64 x 16GB DDR4	64 x 16GB DDR4	
Storage	8 x 2.5" 800 GB SATA SSD 16 x 2.5" 1TB SATA HDD	8 x 2.5" 800 GB SATA SSD 16 x 2.5" 1TB SATA HDD	24x 2.5" 800 GB SATA SSD -	
Network	2 x RJ45 10GBase-T or SFP+ Ports and 1 x RJ45 dedicated IPMI LAN port			