

# ZeroStack & Nexenta

Converged Infrastructure for Private Cloud

ZeroStack Intelligent Cloud Platform is a fully integrated cloud solution that delivers the simplicity and agility of a public cloud along with the performance and control of a private cloud at a fraction of the cost.

## Introduction

**Nexenta** is a leader in Open Source-driven Software-Defined Storage (OpenSDS), delivers 100% Software-based storage solutions, providing organizations with Total Freedom to choose an easy-to-use, secure and ultra-low cost storage solution to fit their needs. Nexenta enables everyday apps; from the Internet of Things to Big Data; from OpenStack to CloudStack – and all types of Clouds – Private, Public, and Hybrid. Founded around an “Open Source” platform and industry-disrupting vision, Nexenta delivers its award- and patent-winning software-only unified storage management solutions 24x7 - around the globe - service and support.

**ZeroStack Intelligent Cloud Platform** is a fully integrated cloud solution that delivers the simplicity and agility of a public cloud along with the performance and control of a private cloud at a fraction of the cost.

Built from the ground up, ZeroStack's platform has three main components:

- 1. Z-COS:** A cloud operating system that converts on-premises servers to a highly reliable cloud cluster. This includes a full-functioned hypervisor, software-defined networking (SDN), software-defined storage, and a distributed, self-healing control plane.
- 2. Z-Brain:** The on-premises infrastructure is consumed via a SaaS-based user interface, running in the cloud. The SaaS interface offers a robust, self-service portal, an administrator portal with monitoring and troubleshooting capabilities, capacity planning, showback, and many other enterprise-friendly features. This includes 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.
- 3. Z-AppStore:** The integrated App Store enables 1-click deployment of many applications for rapid application development and deployment.

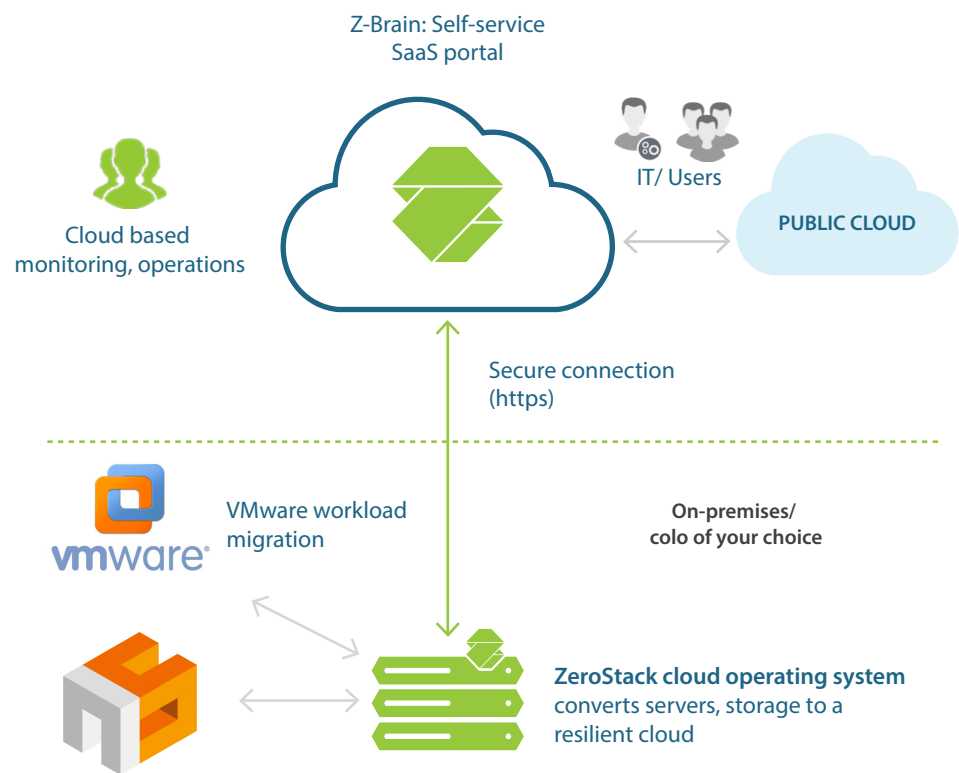
The result is a highly agile, cloud-managed datacenter that offers ultimate control and governance and dramatically lower time to value while keeping costs to a minimum.

## Converged Infrastructure Solution

With ZeroStack's Intelligent Cloud Platform and Nexenta, enterprises can deploy a pre-tested, completely automated, and fully supported converged private cloud solution. Enterprises can now leverage their existing investments in Nexenta and standard servers to build a highly resilient and high performing cloud for running packaged enterprise applications, application development and hosting.

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Use Cases
<ul style="list-style-type: none"><li>• Cloud for enterprise workloads, packaged applications, databases</li><li>• Self-service application development environment for Engineering teams</li><li>• Remote-office, branch office set up with centralized management</li></ul>



## ZeroStack + Nexenta: Converged Cloud Infrastructure for the Enterprises

## Benefits of Converged Infrastructure for Private Cloud

### » Accelerate Time to Value

- Less than 30 minutes to installation
- 100% Self-service SaaS-based user portal with integrated service catalog for ongoing application provisioning and deployment

### » Reduce CapEx

- Lower cost and complexity compared to VMware-based deployments
- Lower cost, higher performance and control compared to public cloud (e.g. AWS)
- Run on commodity x86 servers and Nexenta

### » Reduce OpEx

- Zero ongoing infrastructure administration and management
- Eliminate silos and satisfy different application requirements with pre-configured rack-converged platform

### » Eliminate risk

- Carefully pre-designed, pre-tested, supported solution versus solutions cobbled together on the fly
- Real-time proactive monitoring and troubleshooting with AI and Big Data analytics built into ZeroStack's Z-Brain
- Zero vendor lock-in with future proof, open standards based cloud solution
- Scale-as-you-grow eliminates financial risk

### » Hybrid cloud support

- Easy migration off and on from current on-premises (VMware) and off-premises (AWS) solutions