

IMPROVE OPENSIFT TIME TO VALUE WITH ZEROSTACK AND RED HAT

PARTNER SOLUTION BRIEF

“With ZeroStack, we have a self-service DevOps environment that is cost-effective and just works.”¹

JEROME BROCK, SR,
DEVOPS ENGINEER,
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INTRODUCTION

Many organizations with servers, storage, and networking from different vendors face challenges when implementing cloud services. Automating, configuring, and upgrading these components can be complex. The ZeroStack Intelligent Cloud Platform (ZeroStack) addresses these challenges by providing a centralized web-based portal to manage and deploy diverse infrastructures across multiple sites that use Red Hat® OpenShift® Container Platform clusters.

ZeroStack converts a cluster of servers into a web-managed private cloud that provides self-service consumption, monitoring, and an integrated learning engine for performance and efficiency insights. This solution enables multitenant, multicloud, and containerized environments with a scalable architecture. It consists of virtualization, software-defined storage pools, software-defined networking with micro-segmentation, built-in monitoring, and external storage integration.

ZEROSTACK INTELLIGENT CLOUD PLATFORM

ZeroStack delivers a business transformation solution that provides a single underlying automated platform to deploy, run, maintain, and update multiple application environments. The ZeroStack platform is easy to deploy and run, provides self-service access to resources, uses artificial intelligence (AI) and machine learning for self-healing, and significantly reduces operational overhead. As a result, organizations simplify operations, reduce costs, and accelerate time to value while maintaining IT control.

ZeroStack includes an AppStore that simplifies deployment with application blueprints that can be deployed within a few minutes. Customers can extend the AppStore to licensed products like Red Hat OpenShift Container Platform by using their own license or licenses provided by other partners. Users can reuse these templates to deploy the same configuration in different sites and remote locations.

“We now have a self-service cloud that requires very little human intervention. ZeroStack requires 10x less time to manage than VMware.”¹

MAHESH NEELKANTA,
DIRECTOR OF TECHNICAL SERVICES,
FLORIDA ATLANTIC UNIVERSITY

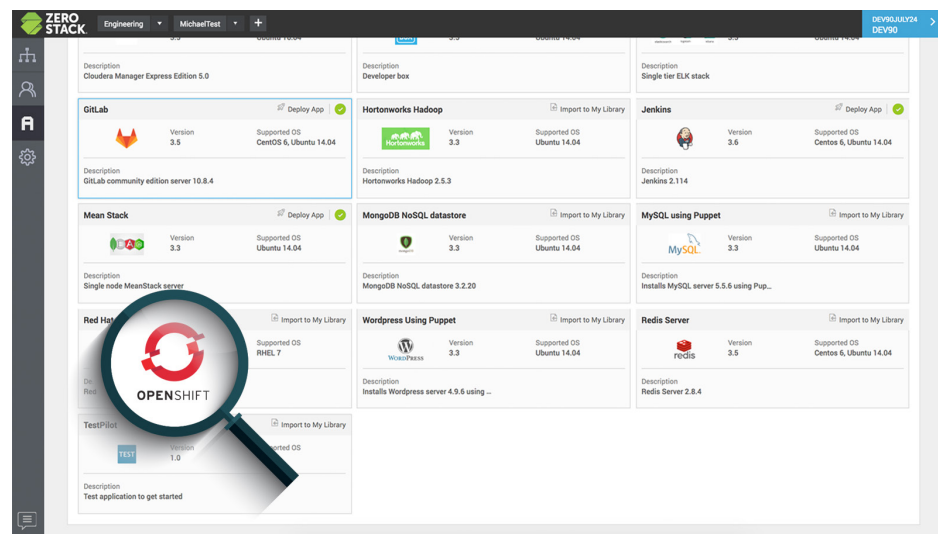
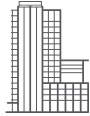


Figure 1. ZeroStack AppStore



ABOUT RED HAT

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.

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ZeroStack delivers AI insight to IT operations to optimize sizing, perform predictive capacity planning, and implement seamless failure management. Within ZeroStack, IT operations can easily deploy load balancers, set up domain name systems (DNSs), implement virtual private network (VPN) services, and configure virtual firewalls. Since ZeroStack runs both virtual machines (VMs) and containers on the same platform, persistent data stores, SQL, and Postgres databases can be deployed into VMs and made accessible to containerized applications.

As part of its multisite capabilities, ZeroStack provides remote data replication using external storage solutions between geographically separated sites to protect persistent data and databases. In addition, users can connect multiple sites and private networks within those cloud environments using the built-in VPN services, and provide secure communication to enable failover scenarios at the underlying VM layer.

ZeroStack helps organizations with diverse application teams, application portfolios, and conflicting user requirements by offering logical business units that can be assigned to different application teams. Each application team gets full self-service capability within quota limits imposed by IT operations. They can automatically deploy their own cluster with a few clicks, independently of other teams.

RED HAT OPENSIFT CONTAINER PLATFORM

Red Hat OpenShift Container Platform brings Linux® containers and Kubernetes to the enterprise. The platform helps organizations develop, build, deploy, and manage new and existing applications across physical, virtual, or public cloud infrastructures. It accelerates application development with automated workflows that make it easy to move from source code to production-ready container images for deployment. OpenShift Container Platform is built on open source standards and is a secure, proven, and reliable container platform for organizations of any size.

CONCLUSION

The ZeroStack Intelligent Cloud Platform automates the deployment, organization, and operations of infrastructures for Red Hat OpenShift Container Platform, delivering the following benefits:

- **Faster time to value.** ZeroStack gives users self-service access to resources, including automated application placement, capacity planning, and resource sizing.
- **Easy to use.** ZeroStack provides a single view into the underlying server, storage, and networking infrastructure and a single management interface to deploy these components.
- **Lower cost.** ZeroStack includes all of the software necessary to manage and implement OpenShift Container Platform. Other offerings require investments in add-on software to provide similar capabilities.
- **Rapid third-party tool deployment.** The integrated AppStore streamlines application delivery by enabling the deployment of other DevOps tools with a few clicks.

LEARN MORE

For more information about ZeroStack solutions, contact sales@zerostack.com.

ABOUT ZEROSTACK

ZeroStack delivers a public cloud experience with private cloud control through software that automates cloud infrastructure, applications, and operations. Enterprises and Managed Service Providers (MSPs) simplify operations, reduce costs, and accelerate IT while maintaining IT control. ZeroStack enables multitenant, multicloud, and containerized environments with a future-ready architecture. Founded by senior engineers from VMware, the company is funded by Formation 8 and Foundation Capital and is based in Mountain View, California. For more information, visit <https://www.zerostack.com/> or follow us on Twitter [@ZeroStackInc](https://twitter.com/ZeroStackInc).