



WESTERN DIGITAL R&D DEPLOYS STRATOSCALE SYMPHONY FOR DEVTEST PRIVATE CLOUD

THE CHALLENGE

Transforming DevTest Deployment Process to Optimize Efficiencies

Western Digital R&D teams continuously run testing cycles, as a part of the organization's mission to deliver innovative products to a wide variety of customers.

DevTest projects require setting up and customizing physical servers; these are not only resource intensive tasks, but also time-consuming and often result in a slow time-to-market.

Scaling up and out adds another layer of complexity, especially given the difficulty of managing various hardware configurations.

OBJECTIVES

- Dynamic allocation of virtual and physical servers based on project needs
- Quick and simple deployment, management and scale up
- Self-service
- Agility

"Achieving a quick time-to-market in our DevTest process is a key goal for our SanDisk teams, and enables us to deliver innovative products to a very wide variety of customers.

As we continuously deliver new projects and products, due to the many hardware configurations, different types of workloads and the requirement to set customized environments for each project, the DevTest process has become increasingly complex, time consuming, resource-intensive and expensive.

We evaluated several solutions to improve and simplify our DevTest deployment process, and cut operational costs.

Stratoscale Symphony stood out with its robust software-defined data center solution that leverages hyperconverged software, and includes intuitive self-service and advanced cloud capabilities. Symphony enabled us to set up 100s of VMs in minutes, automatically customize them for specific project needs and scale up and out as needed. Symphony offers a minimal IT footprint solution and low staffing attention requirements by delivering a truly worry-free infrastructure and management. The result was a significant reduction in time-to-market and the lowest TCO."



OPHIR DANIELI
Senior Director
IT Global Service & Support
Western Digital

THE SOLUTION

Stratoscale Symphony Software-Defined Hyperconverged Private Cloud

- Holistic on-prem solution that covers the entire datacenter stack in addition to advanced cloud capabilities that are delivered on-prem
- Freedom of choice – deployed on any commodity x86 server, enabling maximal utilization of existing hardware
- OpenStack ready and hassle-free solution
- Services-centric and API-driven solution – offers a full public cloud experience and rich features for developers
- Enterprise grade – offers high availability and advanced data protection capabilities

THE RESULTS

Leveraging Stratoscale Symphony to Offer Agile and Single-Click Deployment of Lab Environments

The lab environment deployment process has been significantly simplified and enables setting up of 100s of VMs in minutes, as well as consolidating multiple labs on heterogeneous hardware.

Stratoscale Symphony utilizes hyperconvergence to increase utilization, while ensuring high availability; Symphony's flexibility enables the management of mixed workloads via a single pane of glass.

Stratoscale's self-service user experience offers templates for physical and virtual servers for simple, easy and quick deployment for projects.

Cloud-init functionality automatically customizes spawned VMs to offer immediate availability for dev teams and eliminates the need for manual customization for each project, including automation of Active Directory registration.

Symphony's comprehensive APIs offer developers simple and easy functionality to perform tasks.



ABOUT SANDISK

SanDisk, a Western Digital brand, provides trusted and innovative flash storage products that have transformed the electronics industry.

SanDisk's quality, state-of-the-art solutions are at the heart of many of the world's largest data centers, and embedded in advanced smartphones, tablets and PCs. SanDisk's consumer products are available at hundreds of thousands of retail stores worldwide.

Western Digital Technologies, Inc. is the seller of record and licensee in the Americas of SanDisk® products.

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.

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