

Agility at Cloud Scale for Big Data Analytics

DriveScale Delivers Flexible, Adaptable Infrastructure for Big Data Analytics

The DriveScale Composable Platform is the only server infrastructure that scales and adapts compute and storage resources to meet the needs of applications on the fly. With the DriveScale platform, customers can choose their preferred vendors for dense flash or HDD eBODs (Ethernet Box of Drives) and diskless servers and compose optimized server configurations. With DriveScale, users can deploy server and storage infrastructure in minutes not months, maximize resource utilization and eliminate wasted spend with independent compute and storage upgrades.

Using DriveScale, applications can be deployed on bare metal or in containers with Kubernetes. DriveScale provides persistent storage volumes for Kubernetes so that containers can be instantiated, moved or re-instantiated, while the storage remains available. Both HDD and SSDs can be combined and connected to a compute node. And for flash, DriveScale carves drives into slices as small as 1GB and mounts the flash slices to a small or very large number of compute nodes. In seconds, from the DriveScale software platform, users can add compute nodes or drives as needed or replace failed compute nodes or drives with an alternative from the resource pool. When deploying with DriveScale, there are no more idle and siloed resources, and traveling to the data center to physically replace failed compute nodes or drives is optional.

Why Drive Scale for Big Data Analytics

The DriveScale Composable Platform provides agility at cloud scale while eliminating overprovisioning and data silos common with DAS server deployments.

With the DriveScale Composable Platform, users can:

- Deploy server infrastructure in minutes
- Optimize configurations by creating any ratio of compute to disk
- Eliminate overprovisioning common with big data analytics
- Reduce wasted spend with independent upgrades of compute and storage
- Instantly recover from disk failures from an easy-to-use software interface

Companies with data-driven applications that deploy the DriveScale platform reduce idle resources and wasted spend and increase operational efficiency while gaining the flexibility to quickly scale compute and storage resources up or down as needed.

Composable Infrastructure

Composable Infrastructure is next-generation server infrastructure that provides the ability to flexibly create, adapt, deploy and later redeploy servers using pools of disaggregated, heterogeneous compute, storage and network fabric. According to IDC, the composable infrastructure market is estimated to grow from \$752 million in 2018 to \$4.7 billion in 2023.