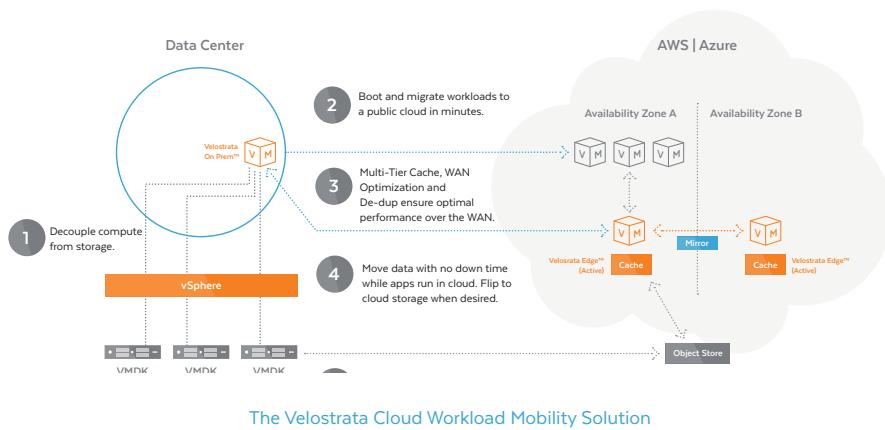


# VELOSTRATA

## Move Production Workloads to a Public Cloud in Minutes

Velostrata software provides a non-disruptive, low-risk platform that gives IT managers complete control over migrating production workloads to the public cloud. Our patent-pending technology uniquely decouples compute from storage, and makes it possible to move compute to the cloud in minutes—while controlling and automating where storage resides—on premises, in the cloud, or a combination of both. With Velostrata, you can move applications to AWS or Azure without re-writing your applications, modifying the image, or changing your management processes. It's as simple as clicking a button in vCenter and selecting "Run in Cloud." Velostrata does the rest.



### Why Velostrata is Different

**Simple:** No need to modify applications, images or storage, and you can use the same tools and processes that you use to manage your VMs in-house. It's as easy as selecting a VM and clicking "run in cloud."

**Fast:** You can have applications up and running in the public cloud in minutes, instead of weeks or days. Storage can be kept on premises or migrated over time, without interrupting application performance.

**Comprehensive:** Velostrata is the only solution that addresses migration of both compute and storage and de-risks the entire process of moving to the cloud. And going to the cloud is no longer a one-way trip—moving applications back on premises or to another cloud is just as easy.

### Example Applications

Velostrata is ideal for workloads like ERP, Collaboration, Middleware, OLTP, Oracle and MS-SQL databases, and compilers—to name a few. Applications where read activity is focused on an active working set of data which refreshes over time will be a good fit.

### Deployment

Velostrata software is deployed within virtual appliances, and installation requires just a few steps. First, download and deploy the Velostrata OnPrem virtual appliance in the data center. Second, leverage Velostrata to create a Virtual Private Cloud, and a Virtual Private Network to securely link the VPC to your Velostrata OnPrem™ appliance. It's important to note that all traffic between these points is encrypted end to end, both in flight and at rest. Third, deploy a vCenter Plug-In from within Velostrata OnPrem™. Then, log in to the extended vCenter and click to automatically deploy a pair of Velostrata Edge™ virtual appliances in active/active configuration into the VPC. Each pair supports 50 concurrent VMs, and you can add more for scale.

Velostrata provides comprehensive tracking and performance reporting, so you have a complete view of all your applications.

I was excited to see that we were able to very quickly move servers from on-premises to AWS, without any manipulation or conversion of the VMs and with excellent performance. With Velostrata, I have the flexibility to leverage the public cloud on-demand and I'm never locked-in."

**Guardian Industries Corp.**  
(Global Manufacturing Company)

Velostrata quickly proved they could deliver on both performance and functionality. The flexibility to move workloads back and forth between my datacenter and the cloud in minutes while controlling where storage resides finally makes cloud a low-risk, low-cost option for us."

**TechSmith**  
(Global Technology Company)

Velostrata takes something that is really complex and makes it incredibly simple. Movement of VMs between our datacenter and the cloud was simple and fast, and the user interface and the configuration process were equally simple and intuitive."

**Just Energy**  
(US Energy Company)

## Core Technology

Velostrata decouples compute from storage in virtualized workloads, and introduces a number of patent-pending capabilities that make cloud workload mobility possible.

**Boot Over WAN:** Velostrata performs a native boot from the on-premises operating system over the WAN, in just a few minutes—regardless of the image size. While the image boots, Velostrata adapts it on the fly to meet the target environment. No changes to the application, image, storage, drivers, or networking are required.

**Intelligent Streaming:** Velostrata prioritizes the elements necessary for a workload to run and moves them to the cloud first, so applications can begin running in minutes. Less frequently accessed data can be streamed in the background while VMs continue to run.

**Multi-Tier Caching and Optimization:** Velostrata includes a multi-tier, read-write cache in the cloud, which contains the working set of data needed by the application. De-duplication, pre-fetching, asynchronous write-back and network optimizations ensure optimal performance even when authoritative data is still maintained on premises.

**Resiliency:** Each Velostrata Edge™ deployment incorporates active-active appliances deployed across two availability zones. Writes are acknowledged in both availability zones and then asynchronously transferred back to any on-premises storage to prevent any data loss in the event of an outage. Optionally, new data writes can persist in the public cloud, which is useful for dev/test scenarios. Further, Velostrata's architecture ensures a 30-second RPO for sync in S3 and a 30-minute RPO for sync on-premises.

**Transparent Management:** No changes to the applications, images, networks, storage, or drivers are required and there is no need to learn new tools or processes as Velostrata integrates seamlessly into VMware vCenter. Velostrata is also designed with a REST API for simple integration into 3rd party management tools.

**Security:** Data between Velostrata virtual appliances use SSL and is encrypted using AES-128. Data at rest in the cache is de-duplicated, compressed, and encrypted with AES-256.

## The Benefits

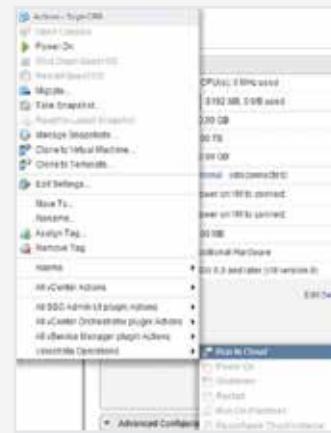
**Reduce Migration Risk:** Easily test applications for cloud performance and cost before you migrate; because storage can be retained on-premises while applications are in the cloud, you have a safety net. If you decide you want to move applications back on-premises—or to another cloud provider—it's as easy as a few mouse clicks.

**Reduce Costs:** Eliminate data centers by migrating enterprise applications to the public cloud; reduce opex costs by simplifying and accelerating the migration process.

**Improve Business Agility:** Migrate compute in minutes while intelligently streaming data in the background; enable workload mobility across cloud regions without the need to move storage; support test/dev projects on demand.

**Improve Operational Efficiency:** Leverage the same in-house management tools and processes you use today, even after migration. No changes to the applications, images, or storage are required.

**Mitigate Security and Compliance Risks:** Gain full control over where the data resides (on-premises, in the public cloud, or some combination). Data is encrypted in motion and at rest.



When you're ready to move workloads, simply click "Run in Cloud" from vCenter.

## About Velostrata

Velostrata is the cloud workload mobility company. With Velostrata software, enterprises can move enterprise workloads to the public cloud in minutes, while controlling and automating where data resides. With Velostrata, moving workloads to the cloud becomes simple, fast, cost-effective, and low risk. Velostrata is backed by Norwest Venture Partners and 83 North (formerly Greylock Partners IL), and is headquartered in San Mateo, California, with research and development in Israel.

For more information, visit [www.velostrata.com](http://www.velostrata.com).