



## Example Applications

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

## Core Technology

Velostrata's patent-pending capabilities 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.

**Migration Automation:** For pre-migration planning or migration automation, Velostrata offers self-documenting, auditable migration plans which IT can generate using vCenter Inventories. Automated runbooks provide a blueprint for each VM, including their dependencies and configuration details.

## Benefits

Velostrata's unique technology delivers a smooth cloud migration journey which provides tangible benefits to the business before, during, and after the migration is complete.

### Cut Costs

**Save millions of dollars by reducing manual labor and eliminating redundant on-prem systems sooner:**

- Vastly reduce manual labor for each system migrated
- Eliminate costly on-prem hardware and software licenses sooner
- Pay only for what you need, instead of over-provisioned datacenters
- Avoid costly hardware purchases (GPUs, etc.) that you can rent in the cloud

### Save Time

**Free up countless IT hours for other initiatives:**

- Planning, testing take place in parallel
- Workloads begin running in cloud within minutes (not days or weeks, making it 10-100x faster than replication-based approaches)
- Easily migrate dozens of VMs per hour
- Avoid costly application downtime

### Reduce Risks

**Built-in testing and rollback, plus a vastly simpler experience:**

- Avoid software agents that require additional troubleshooting and security exceptions
- Easily test for performance, cost directly in cloud without taking production applications offline
- Keep data synchronized between cloud and on-prem as needed
- Avoid complicated data reconciliation, app downtime issues at time of cut-over
- Return any workload on-prem with just a few clicks

### Improve Agility

**Architect the cloud that works best for your enterprise:**

- Start enterprise workloads in the cloud on-demand
- Automate your migrations with runbook tools
- Move back on-premises or to another cloud in a matter of minutes
- Rent compute any time you need it

# VELOSTRATA

Velostrata software enables public cloud migration and workload mobility with speed, scale and simplicity. Unlike replication-based approaches, Velostrata's agentless platform moves applications to the cloud in minutes. The software is easy to deploy and manage, and can significantly reduce the risks associated with migration. Unique capabilities let organizations "test before they migrate" in minutes, without taking production applications offline, and provide ongoing flexibility to move workloads back on-premises or to another cloud if desired.

Velostrata is backed by Intel Norwest Venture Partners and 83 North, and is headquartered in San Mateo, California, with research and development in Israel.

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#### For more information

Contact us at [info@velostrata.com](mailto:info@velostrata.com) to request a customized demonstration.



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