VELOSTRATA

Introduction to Velostrata

Velostrata is the only solution that provides on-demand hybrid cloud for production workloads at the click of a button. Velostrata streams production workloads to and from the cloud in minutes, leaves the storage on-premises, and optimizes performance end-to-end. Velostrata requires no changes to the applications, images, or storage; it is as simple as clicking a button in an interface you already know well: vCenter. Velostrata also provides extensive monitoring as well as APIs for integration with third-party management solutions.

The Benefits

With Velostrata, you can:

→ Mitigate risks and reduce costs by 50% or more by leaving the storage on-premises and streaming only the compute workloads.
→ Improve business agility and eliminate lock-in by moving production workloads to and from the cloud in minutes.
→ Mitigate risks from planned and unplanned events by bursting to the cloud, on-demand.
→ Improve operational efficiency by leveraging existing on-premises tools and processes with the click of a button.

Other Primary Use Cases

Organizations deploy Velostrata for a variety of use cases, including:

Datacenter Extension
Move VMs from overloaded hosts to the cloud to restore performance and stability.

Cloud Bursting
Provision the datacenter for average utilization—burst to the cloud during peak times.
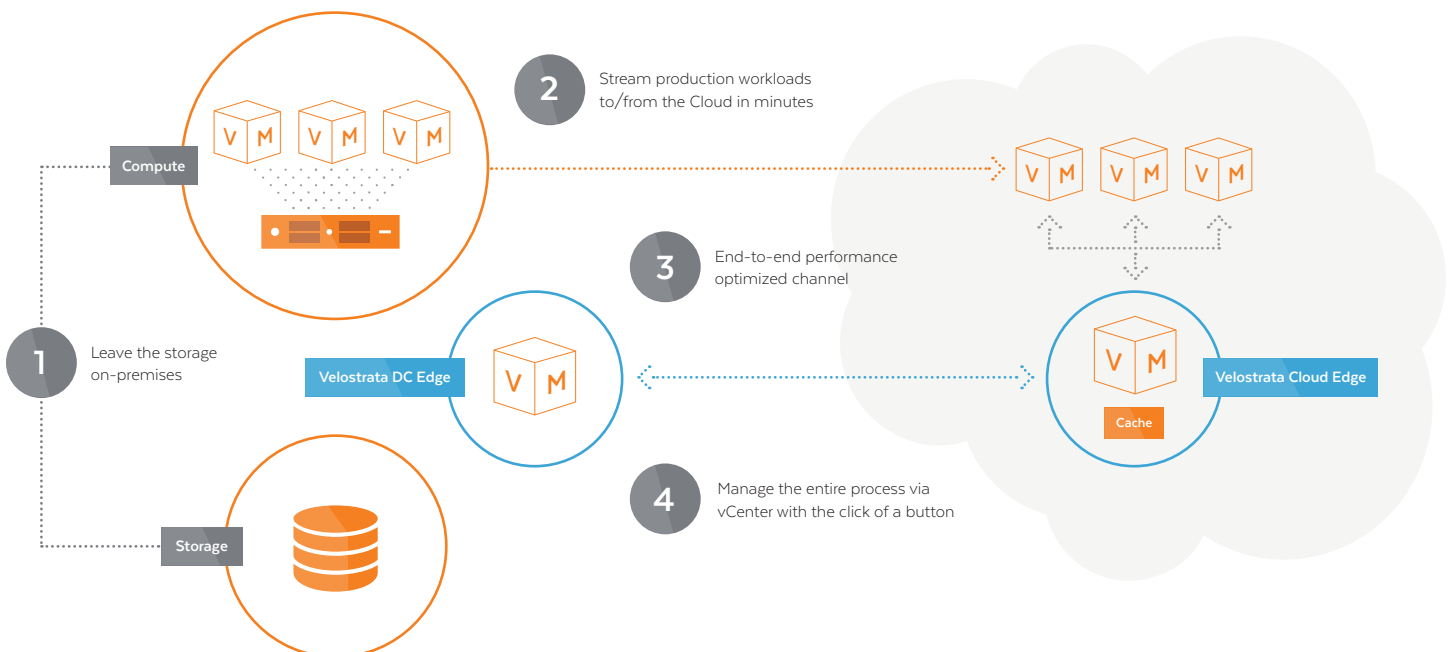
Storage Consolidation
Consolidate storage to a centralized datacenter while running VMs remotely in the cloud without impacting performance.

Hybrid Disaster Recovery
Provide site-to-site disaster recovery without the cost and complexity of duplicating compute resources at the secondary site.

Velostrata Architecture

Compute

2 Stream production workloads to/from the Cloud in minutes

3 End-to-end performance optimized channel

1 Leave the storage on-premises

Velostrata DC Edge

4 Manage the entire process via vCenter with the click of a button

Storage

Velostrata Cloud Edge

Cache

Dev/Test with Velostrata

Dev/Test is a well-known cloud use case, but Velostrata's approach is entirely unique. With Velostrata, there is no need to migrate storage or convert images. Velostrata is the only solution that leaves storage on-premises while streaming compute workloads to and from the cloud in minutes. Data writes in the cloud may "cloud persist" or optionally be configured for write-back to the datacenter.

Challenge
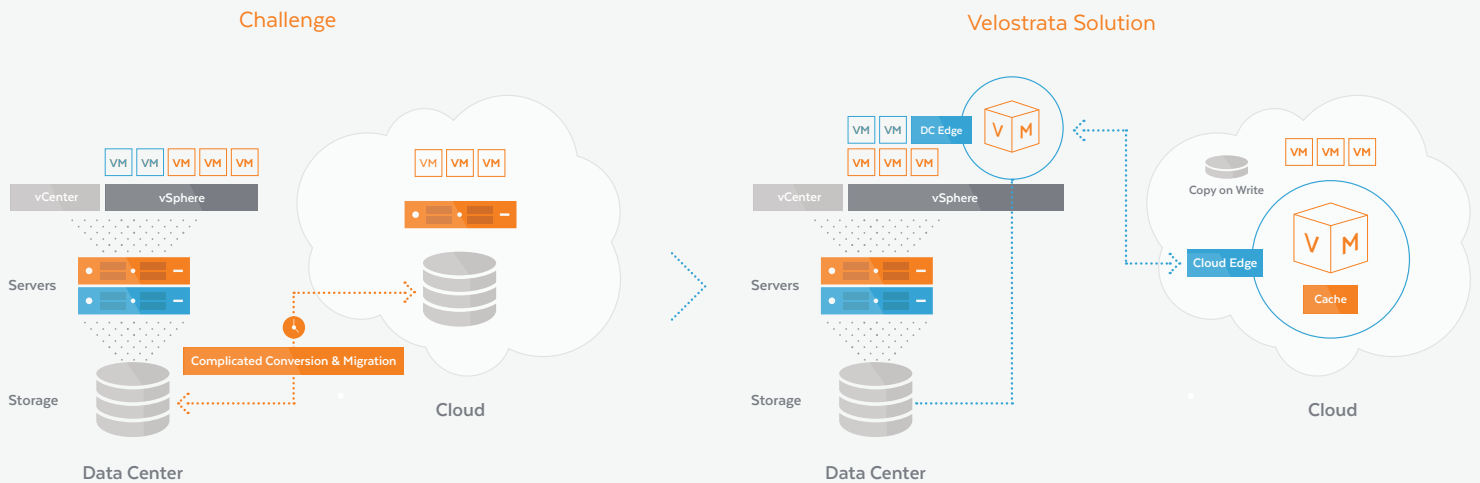Image conversion and storage migration is complicated and time-consuming.

Solution
With Velostrata, no storage migration is required and image conversion is handled automatically and transparently. Data writes in the cloud can "cloud persist" or optionally be configured for write-back to the datacenter.

Benefits
Improve business agility by streaming compute workloads to/from the cloud in minutes without migrating storage or converting images.

Improve operational efficiency by seamlessly moving from dev/test to full production, leveraging either "cloud persist" or "write-back" options and scaling compute up or down, on-demand.

Challenge

Velostrata Solution

Summary

Velostrata addresses the barriers to hybrid cloud adoption in a revolutionary way—by decoupling compute from storage. Velostrata mitigates security and compliance risks and reduces costs by leaving the storage on-premises. There is no longer a need to pay for expensive block storage 24x7 in the cloud. Business agility improves and vendor lock-in is prevented since workloads are streamed to and from the cloud in minutes. With Velostrata, performance is optimized end-to-end, and many customers notice improved performance despite the distance between compute and storage. No changes to the applications, images, or storage are required, and there is no need to learn new management tools and processes. Moving workloads to and from the cloud is as simple as clicking a button.

About Velostrata

Velostrata's mission is to enable frictionless, no-compromise hybrid clouds. "Frictionless" means enterprises have the speed and flexibility to stream production workloads to and from the cloud in minutes with the click of a button. "No-compromise" means enterprises leave the storage on-premises, and yet performance is optimized end-to-end. With Velostrata, hybrid cloud is finally low-risk, cost-effective, fast, and simple. Velostrata is backed by Norwest Venture Partners and Greylock Partners and is headquartered in San Jose, California with R&D in Israel.