

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.

Storage Consolidation

Consolidate storage to a centralized datacenter while running VMs remotely in the cloud without impacting performance.

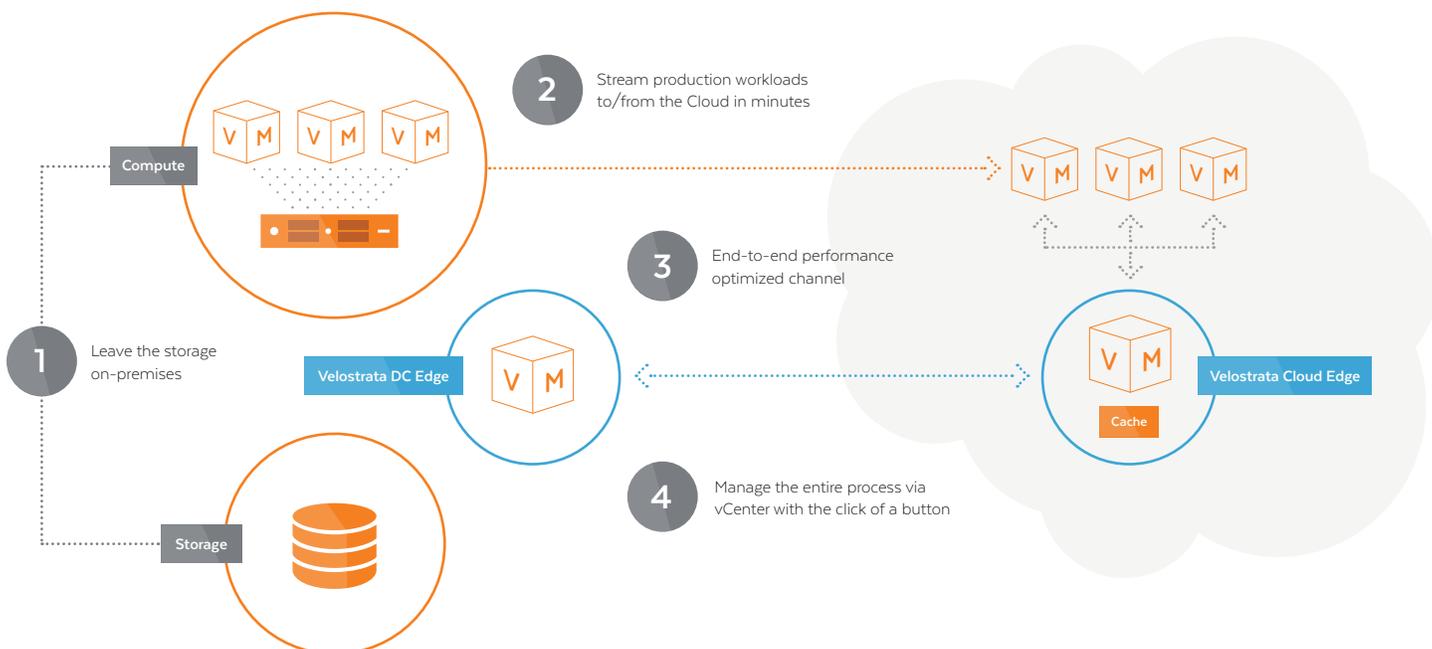
Hybrid Disaster Recovery

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

Dev/Test

Spin-up VMs in the cloud in minutes for dev/test without migrating images or storage. Use cloud storage to either store temporary data and automatically sync results on-premises or have all data persist in the cloud.

Velostrata Architecture



Cloud Bursting with Velostrata

Cloud Bursting refers to the hybrid cloud strategy of provisioning the datacenter for average utilization while bursting to the cloud, on-demand, during peak times. Organizations deploy Velostrata for Cloud Bursting often for both unplanned and planned events, such as:

- Stream production workloads to the cloud in minutes to provide additional capacity for unplanned events
- Stream production workloads to the cloud in minutes to accommodate spikes due to seasonal demand

Challenge

Managing planned and unplanned peak load times is complicated and expensive.

Solution

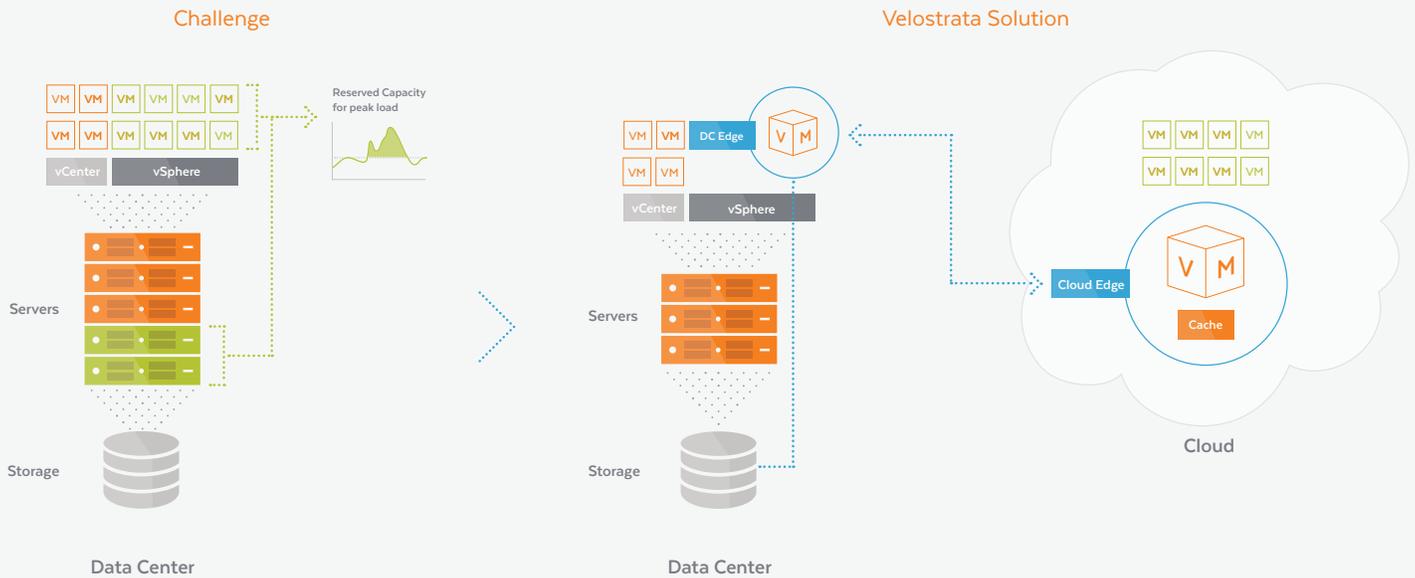
Use Velostrata to burst to the cloud on-demand during peak load times.

Benefits

Mitigate risk from planned and unplanned events by bursting to the cloud on-demand.

Improve business agility by streaming production workloads to/from the cloud in minutes while leaving storage on-premises.

Reduce costs by provisioning the datacenter for average load and bursting to the cloud during peak load times while leaving storage on-premises.



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.