

DATA MIGRATIONS

Accelerate migration timelines with minimal operational disruption

The modern data landscape

In today's data-driven economy, organizations face an ever-growing need to manage, move, and access vast amounts of data seamlessly. The shift to the cloud has become a cornerstone for digital transformation, enabling scalability, flexibility, and cost efficiency while driving innovation through analytics and AI. At the same time, data repatriation—the process of moving data back from the cloud to on-premises environments—is becoming increasingly relevant due to changing business needs, regulatory compliance, or cost considerations. Yet, regardless if your moving data into or out of the cloud, this migration process is a complex challenge for many organizations.

Migration challenges

Cloud environments often involve large-scale, distributed infrastructures, with data stored in multiple formats and locations, making transfers difficult—especially when dealing with large datasets or legacy systems not designed for the cloud. Traditional migration tools are often slow and inefficient, causing significant downtime that disrupts operations and delays access to critical applications and insights. This ends up limiting an organization's ability to fully leverage cloud-based services, such as AI and real-time analytics. These delays not only affect operations but also hinder decision-making, agility, and innovation. In industries that require rapid responses to market changes, slow data movement can result in missed opportunities and put organizations at a competitive disadvantage. To stay ahead, businesses need a faster, more reliable way to move data without the bottlenecks that impede growth.

With Vcinity, you can:

- **Accelerate migration timelines**
Expedite data transfers into and out of the cloud
- **Minimize downtime**
Maintain operational continuity with minimal disruption to mission critical workflows
- **Safeguard data in-flight**
Move data without manipulation and ensure data integrity
- **Enhance flexibility**
Adapt quickly to changing business needs and unlock new growth opportunities
- **Speed time to utilizing cloud-based tools**
Innovate with AI and analytic applications faster by speeding time-to-cloud

The easiest (and fastest) way to migrate your data

Vcinity transforms data migrations by enabling organizations to transfer and access data faster, more securely, and without disruption. Its software-defined solution overcomes traditional latency and bandwidth barriers, allowing seamless movement of data across any distance or environment.

Cloud Migrations

For cloud migrations, Vcinity's technology accelerates the process by enabling high-performance, ultra-secure data transfers across diverse infrastructures--reducing timelines, minimizing operational disruption, and empowering organizations to leverage cloud-based applications sooner.

Cloud Repatriations

Vcinity simplifies cloud repatriations by quickly moving data from the cloud to on-premises environments, helping organizations regain control, reduce costs, and improve operational efficiency--making it easier to adapt to evolving business needs and infrastructure strategies.

A proven approach

When migrating data, speed and accuracy are critical. Check out a few companies we've helped:

**NVIDIA.****14 days to 16 min**

(1TB data move to GPU's
over 5.5k miles)

**7 hrs to 25 min**

(330GB AI Pile dataset
over 7.4k miles)

**24 hrs to 25 min**

(>1k small files dataset
over 10.2k miles)

**2.5 hrs to 2 min**

(>5TB small file size dataset
over 2.8k miles)

Vcinity's high-performance data transfer technology eliminates the bottlenecks common in traditional cloud migrations. It integrates seamlessly with on-premises systems, cloud environments, and hybrid architectures, ensuring smooth, efficient data movement without the need for disruptive reconfiguration. By optimizing transfer protocols, Vcinity addresses latency and bandwidth issues, enabling fast, reliable migrations.

Using a hub-and-spokes model with nodes at each endpoint, Vcinity ensures direct, high-speed connections for efficient data movement, bypassing traditional inefficiencies. This approach allows organizations to migrate and repatriate data faster, adapt to evolving business needs, and fully leverage their IT investments

Get started

Ready for predictable, high-performance data movement to optimize your data migrations? Contact us at Vcinity (sales@vcinity.io or vcinity.io/book-demo) to have a conversation around your goals, workflows, and how to unlock the full value of your data!