EQUINIX® | T|second | vinco

Tsecond accelerates cloud migration for data at scale

Equinix colocation and digital infrastructure services provide the missing piece for Tsecond's cloud data migration solution

Working with Equinix, Tsecond's DataDart Service gives customers the power to migrate their data to and from any cloud provider without being limited by their networks. Powered by the advanced BRYCK Platform, a compact yet high-density data transport solution, customers can now migrate up to 8 PB a day at a rate of 800 Gb/second leveraging fast and secure Equinix interconnection services.

Enabling reliable, scalable and high-performance data migration
Tsecond developed its DataDart Service for customers that need to move data sets of all sizes, particularly very large ones that support data-intensive use cases such as AI. The service is based on BRYCK, Tsecond's proprietary ruggedized data transport platform.

The company uses the BRYCK Platform to securely transport data from customer edge and on-premises locations. However, it also needed a way to reliably move data off the BRYCK Platform and into customer cloud environments.

"Tsecond enables enterprises to transport data to any hyperscaler at speed and scale not previously possible, allowing AI adoption with sovereignty. We leverage Equinix's unmatched global reach, robust ecosystems and interconnection density to help us achieve this."

Sahil Chawla, CEO and Co-Founder, Tsecond

About Tsecond

Tsecond Inc., headquartered in San Jose, CA, specializes in seamless data migration between any locations, regardless of data size. The company has developed the world's smallest and lightest All-Flash, 1 PB mobile storage solution—the BRYCK® Platform. This platform enables data transportation from edge locations to data centers or the cloud. Its DataDart Service, powered by the BRYCK Platform, offers flexible cost models, allowing customers to pay only for what they need when they need it. With a robust global presence in the USA and India, Tsecond is at the forefront of revolutionizing data management for enterprises and organizations worldwide.
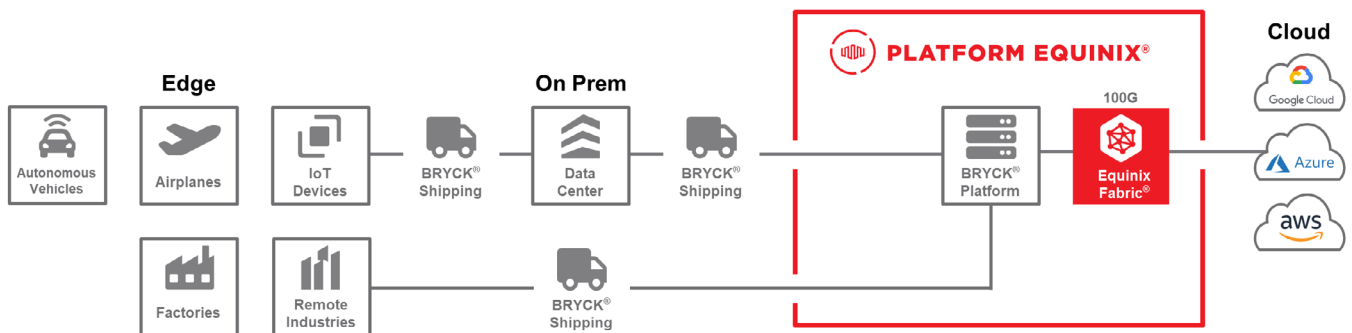
Tsecond.us

About Vinco

We are Vinco, a full-service boutique IT strategy firm. Our experienced engineering and operations teams will ensure a white-glove, seamless process from start to finish. Let us help you conquer your technology roadmap.

Vinco.io

Edge — Autonomous Vehicles · Airplanes · IoT Devices · Factories · Remote Industries

BRYCK® Shipping · **On Prem** — Data Center · BRYCK® Shipping · BRYCK® Shipping

PLATFORM EQUINIX® — BRYCK® Platform · 100G · Equinix Fabric®

Cloud — Google Cloud · Azure · aws

Solution

Tsecond evaluated multiple colocation services to help it transfer customer data into the cloud, but none could match the unique value that Equinix offers.

Global reach
Since there are Equinix colocation data centers in 70 metros on six continents, Tsecond recognized that Equinix was the ideal partner to support its future expansion plans.

Multicloud access
Platform Equinix® is vendor neutral by design, offering on-ramps to all major cloud providers. Tsecond plans to market its DataDart Service as a cloud-agnostic solution capable of supporting multicloud use cases. Working with Equinix ensures that the company can deliver on this promise.

Software-defined interconnection
In order to stand out from the competition and meet customer demand, Tsecond needed to be able to transfer as much as 8 PB of data per day on behalf of individual customers. With Equinix Fabric®—which connects digital infrastructure at software speed—and its flexible pricing options, the company was able to achieve this industry-leading benchmark at an optimal cost.

A trusted partner
Tsecond saw Equinix as a globally recognized brand trusted by thousands of customers, including the cloud providers themselves. As a startup, Tsecond knows how challenging it can be to establish trust with potential customers. The company believes that including the Equinix name in its solution will help achieve this.

About Equinix

Equinix (Nasdaq: EQIX) is the world's digital infrastructure company®. Digital leaders harness Equinix's trusted platform to bring together and interconnect foundational infrastructure at software speed. Equinix enables organizations to access all the right places, partners and possibilities to scale with agility, speed the launch of digital services, deliver world-class experiences and multiply their value, while supporting their sustainability goals.

Equinix.com

Results

High performance
10x throughput compared to existing solutions

Lower costs
30% lower costs than comparable solutions

Security
Customer data is never exposed to unauthorized users

Global scalability
Tsecond is well-positioned to expand its solution on Platform Equinix®

Multicloud access
Tsecond can help its customers move data to multiple cloud providers simultaneously

Benefits

Tsecond worked with Equinix Global Solutions Architects and Vinco, an IT strategy firm and Equinix partner, to design a solution that will deliver the following benefits:

High-performance data transfers
Using Equinix cloud connectivity alongside its own high-capacity data system, Tsecond can deliver performance that is 10x higher than existing data migration solutions.

Simplicity and flexibility
Tsecond can now move data to multiple cloud providers while managing everything on one global platform. In addition, Equinix helps Tsecond offer a data migration service that's structured, yet customizable. Tsecond's customers can get the capabilities they need as a service, without having to deploy physical hardware.

End-to-end security and control
Tsecond is responsible for its customers' data from the time it's loaded onto the BRYCK Platform until the time it reaches the cloud. The ruggedized, untamperable BRYCK Platform helps keep customer data safe while in transit to the Equinix data center. Once there, Equinix physical security controls also prevent unauthorized access to the BRYCK Platform. Tsecond also uses Equinix Smart Hands® to get the on-site support it needs without having to expose customer data to unauthorized technicians.

Cost benefits
Equinix services are part of a solution that costs at least 30% less than comparable physical data migration services. Tsecond also accesses Equinix services using an OPEX cost model, which in turn allows the company to charge its customers only for what they use.

Sustainability benefits
The BRYCK Platform is designed to be compact and efficient, consuming 1/3 the power of comparable data storage solutions. Pairing that with the work Equinix has done to build cleaner, more efficient data centers, the company can now offer its customers a solution that's optimized for sustainability from end to end.

Solution components

Colocation services
Provides the missing link between the BRYCK Platform and cloud on-ramps

Equinix Cross Connects and Equinix Fabric
Provide physical and virtual connectivity options to support specific customer requirements

Equinix Smart Hands®
Offers 24/7 remote server access, installations and troubleshooting

Equinix Internet Access
Offers redundant, high-performance internet access from Equinix IBX data centers

Global Solutions Architects®
Helped plan and design the solution to meet Tsecond's unique requirements

Ready to get started?

To learn more about how you can move large volumes of data quickly and efficiently, download the Equinix Fabric data sheet or contact Equinix Sales.

Drive your future forward on Platform Equinix®

Platform Equinix is a global digital infrastructure platform. It is the only platform that allows digital leaders to reach the most strategic global markets with the largest ecosystem of digital partners, with infrastructure that assembles and deploys virtually in minutes.