

ACCELERATING REAL-TIME INSIGHTS WITH A TRUE HYBRID DATA CLOUD

Digital transformation is driving the distribution of services and controls closer to customers, employees, partners and ecosystems. As data continues to explode, managing the variety, volume and velocity of data generated can be daunting—especially when your business also needs to ensure security, data integrity and compliance.

Inefficient performance of public clouds can result in file transfer delays, jitter and slow business transactions. Not only do these issues severely impact data throughput and application speed, but they also burden developers and IT staff with an excessive amount of time on data management and resources.

Instead of providing timely support for business requirements, businesses deal with a multitude of data types from streaming objects, files and database records, while controlling disparate data stacks in multiple private clouds.

Use cases

Industrial IoT

The platform ingests data in high velocity from devices and sensors and correlates it in real time with historical data. Machine learning models detecting equipment abnormalities are developed in the public cloud and seamlessly deployed at the edge in Equinix for production. Insights are served via interactive dashboards and actions such as activating or shutting off machinery.

Financial services

The platform enables high-performance aggregation, correlation and historical context of trade, market, news and social data for real-time analytics and actions. Users accelerate detection of new insights and trends, with immediate response to changing regulatory requirements and market conditions. Use cases include portfolio analytics, intraday risk and finance, fraud and security analytics, forensic investigations and more.

Solution

To solve these challenges, Equinix and Iguazio have partnered to offer a hybrid cloud solution that provides a single unified data platform to power continuous analytics and event-driven applications at scale.

Hosted on Equinix Data Hub™, the solution leverages industry best practices of an Interconnection Oriented Architecture® (IOA®) approach that places strategic control points next to users, clouds and networks—to build a digital edge. Using this proven approach simplifies the data pipeline by helping businesses place data and analytics closer to their sources to generate insights in real time, while enjoying the compute elasticity of the public cloud.

With Iguazio hybrid data cloud hosted on Equinix Data Hub, businesses gain:

- Direct, private, high-speed connectivity to public cloud providers
- Full control over data regardless of cloud provider
- Compliance with data placed within sovereign boundaries
- Faster data access and sharing, rendering and caching for real-time insights
- Flexibility by combining the cloud's agility and simplicity with security, reliability and performance at the edge to meet enterprise requirements of Internet of Things (IoT) and more

The Iguazio/Equinix turnkey solution includes built-in popular tools such as Spark, Zeppelin notebook, Presto, H2O, Tensorflow and nuclio (Iguazio's open-source serverless platform). It eliminates any potential integration and deployment hassle, letting your developers start coding from day one.

Benefits

Leverage a true hybrid cloud

Offload critical data and analytics processing through API gateways with direct and private connectivity to cloud providers. Employ elastic compute and archiving resources in the public cloud, while delivering secure, compliant and real-time access to business-critical data at the edge where users are located.

Eliminate vendor lock-in

Support numerous APIs and eliminate the use of proprietary APIs that can compromise quality and cost efficiency and result in vendor lock-in. Equinix offers maximum flexibility, letting users easily move applications and workloads across public clouds without migrating data.

Ensure data integrity with fine-grained security

Multilayered access and lifecycle policies help control data access, implement backups, import/export content and guarantee compliance. Achieve complete data ownership and governance with agility across on-premises and hybrid cloud platforms, resulting in end-to-end protection.

Empower real-time insights

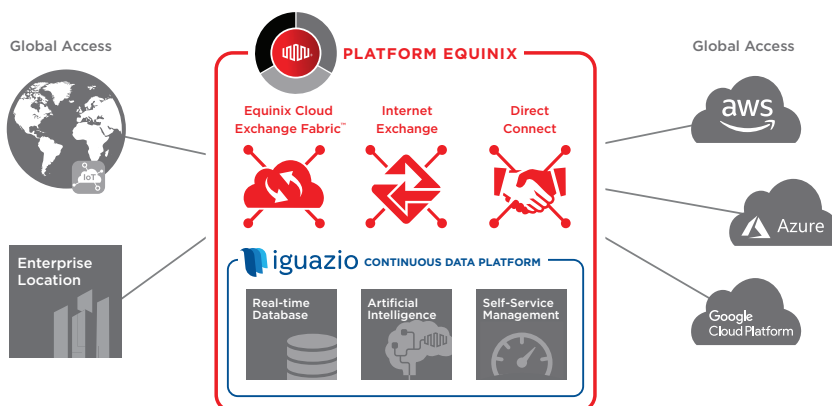
The solution is available in 52 markets across 5 continents and provides high connectivity to the cloud for elastic and scalable computing resources. Gain the flexibility to run data services requiring fast response times on the Iguazio platform, while running non-critical data services in the public cloud. Enable real-time insights with low latency (e.g., millions of applications ops/sec per node).

Ensure compliance

Achieve compliance with local regulatory requirements by placing data at the edge in numerous countries. This eases data access and analysis, while accelerating expansion into major business markets globally.

Deploy rapidly

Cut deployment timelines by using public clouds for development and testing, as well as on-premises environments for production workloads, while seamlessly moving apps/workloads between them.



About Equinix

Equinix, Inc. (Nasdaq: EQIX) connects the world's leading businesses to their customers, employees and partners inside the most-interconnected data centers. In 52 markets across five continents, Equinix is where companies come together to realize new opportunities and accelerate their business, IT and cloud strategies. In a digital economy where enterprise business models are increasingly interdependent, interconnection is essential to success. Equinix operates the only global interconnection platform, sparking new opportunities that are only possible when companies come together.

About Iguazio

The Iguazio Continuous Data Platform digitally transforms businesses by analyzing data from a variety of sources and types to create actionable insights. Through its platform, Iguazio simplifies the development and deployment of high-volume, real-time, data-driven applications across public clouds, edge and on-premises environments. Iguazio's customers operate in a wide range of industries such as IoT, smart mobility, telecommunications, financial services and cyber security. Backed by top venture capitalists and strategic investors, the company is led by serial entrepreneurs and a diverse team of seasoned innovators in the U.S., U.K., Singapore and Israel.

For more information on how Equinix and Iguazio can increase your business agility and reach, contact info@iguazio.com