

KAYRROS GROWS SCALABLE AND RELIABLE HYBRID IT INFRASTRUCTURE

Kayrros leverages Platform Equinix and Iguana Solutions to optimize network, bare metal and storage services

The world's leading carbon tracking company is transforming its IT infrastructure for greater scalability, reliability and security, while reducing data networking costs.

Challenge

Throughout the past few years, **Kayrros'** global data analytics platform had been predominantly distributed across multiple service providers. However, as the company continued to expand, it sought to both establish better visibility and control of its infrastructure and simplify the management of its platform, while reducing its overhead costs. By adopting a clear hybrid cloud strategy for consolidating its applications and data, the company aimed to modernize its IT infrastructure, improve the flexibility to customize its environment, reduce the cost of its data storage and transfer, and increase the availability of its systems for disaster recovery (DR).

"We have been very happy to partner with Iguana Solutions for the implementation of our hybrid cloud strategy. Iguana Solutions provides us with a reliable and cost-effective infrastructure on Platform Equinix, and with an effective support for our Infrastructure hardware and for selected elements of our infrastructure landscape such as VMWare."

Jean-Pierre Dacher CTO, Kayrros

Solution

Kayrros partnered with **Iguana Solutions** and Equinix to consolidate its IT infrastructure and optimize its network and data transfer costs by creating a hybrid IT architecture on **Platform Equinix**. Kayrros serves over 100 subscribers in the private and public sectors through tracking energy assets and carbon emissions. Its new digital infrastructure consists of approximately 70 Iguana bare metal application servers and 150 object storage systems that manage upwards of 3.4 petabytes of storage. Iguana helped the company create a VMware-based virtual server environment on the Iguana bare metal cluster, an on-premises object server farm, and a disaster recovery environment on AWS to optimize scalability, cost efficiency, and reliability for disaster recovery.

Kayrros interconnected its private cloud to Iguana's bare metal **Kubernetes** cluster and storage systems using direct and secure Equinix Cross Connects in the Equinix International Business Exchange™ (IBX®) data center in Paris (PA6). From there, Kayrros subscribers accessed its web-based applications over the public internet. Equinix Smart Hands® on-site support also played a vital role in Kayrros' deployment, especially given the COVID-19 crisis. Expert Equinix technicians seamlessly worked with Iguana personnel to help manage Kayrros' infrastructure inside PA6. Cédric Le Moan, Chief Revenue Officer for Iguana Solutions said, "We can count on Equinix Smart Hands to help us save time and money when serving Kayrros and our other customers' needs."

About Kayrros

Kayrros is the leading global asset observation platform and carbon tracking company. By harnessing satellite imagery and multiple sources of unconventional data with machine learning, natural language processing, and advanced mathematics, Kayrros monitors and measures energy and natural resource activity worldwide. With access to data on more than 200,000 industrial assets, Kayrros subscribers track individual or multiple assets to analyze industrial and environmental performance for maximum insight and optimal operational and financial decisions.

www.kayrros.com

About Iguana Solutions

Experts in the management and hosting of critical web platforms, Iguana Solutions provides end-to-end services, from the provision of infrastructures on two continents, to DevOps services. We help our customers in the design, creation and management of complex infrastructures on physical, Cloud or hybrid platforms. Iguana Solutions is proud to support clients such as Deezer, Molotov, TV, Kayrros, ECA Assurances, Adyoulike, Photoweb, Lalalab.

iguanasolutionsusa.com

About Equinix

Equinix, Inc. (Nasdaq: EQIX) is the world's digital infrastructure company, enabling digital leaders to harness a trusted platform to bring together and interconnect the foundational infrastructure that powers their success. Equinix enables today's businesses to access all the right places, partners and possibilities they need to accelerate advantage. With Equinix, they can scale with agility, speed the launch of digital services, deliver world-class experiences and multiply their value.

Equinix.com

Scalability and cost efficiency

With the Iguana platform and managed services, Kayrros gained a dedicated infrastructure where it could scale compute and storage capacity on demand. It also created a private cloud connection to the Iguana server platform, implementing a “cloud-adjacent storage” architecture, which reduced its data transfer costs by 3x.

Deployment ease and speed

The quality of Platform Equinix enabled Iguana to deploy the Kayrros hybrid IT infrastructure very quickly and with fewer staff.

Essential on-site support

Iguana leverages Equinix Smart Hands to provide on-site infrastructure equipment support for its customers within Equinix IBX data centers. These services can include logistics and installation, rack and stack, cabling, remote equipment management and asset management. Smart Hands has become an essential service given the COVID-19 lockdowns and a shortage of skilled data center personnel. In supporting Kayrros, Iguana used expert Smart Hands technicians to perform services such as equipment power management, asset auditing, and cross connect cabling and troubleshooting. This saved both Kayrros and Iguana time and costs and freed up at least one engineering resource to do other critical work.

Increased reliability

Kayrros required a reliable infrastructure partner, such as Equinix, with a 99.9999% global uptime record and strong security stance. It also wanted its disaster recovery to be totally separate from its production environment, so it now directly and securely connects to AWS for that additional protection.

Enhanced sustainability

Kayrros analyzes carbon emissions from businesses to help them reach sustainability targets, in addition to enabling regional governments to better understand the impact of businesses' emissions. Kayrros was looking for a like-minded data center provider such as Equinix, which has achieved 92% renewable energy globally, to limit its company's impact on the environment.

Results

Optimized capacity

Increased compute and storage capacity via bare metal and virtualization.

Lower storage expenses

Resident storage reduced its data transfer costs by 3x.

Increased reliability

Private connectivity enabled secure disaster recovery in AWS.

Fast and easy deployment

Managed services and on-site support reduced operational overhead.

Enhanced sustainability

Leveraged a “green” global data center platform with a 100% clean and renewable energy goal.

