



Financial Services

Dojo delivers fast, reliable and secure card payments to businesses on Platform Equinix[®]

Case Study



With Equinix Fabric® and Oracle Cloud®, the UK payment technology provider created a secure, high-performance hybrid multicloud infrastructure, allowing its customers to make payments 80% faster than the industry average.

Introduction

To deliver card processing services to businesses faster than the existing industry average, Dojo required a colocation and digital infrastructure platform partner that could provide the security and fast interconnection required for a scalable, high-performance hybrid multicloud environment.

Challenge

Dojo creates the tools and technology that empower businesses across the UK to thrive, with products including integrated card machines that process payments quickly, reliably and securely. To deliver on this for its more than 50,000 customers, Dojo needed to create a resilient, hybrid multicloud infrastructure that securely accelerated access to services on Oracle Cloud, AWS® and Google Cloud®, and securely connected this physical infrastructure to Dojo's cloud-based applications.

Solution

Dojo wanted to embark on a multicloud strategy for its digital payment processing platform. However, it needed to host physical, on-premises entry points for payment providers such as Visa and Mastercard, as well as point-to-point encryption devices and hardware security modules (HSM) for processing security operations based on digital payment regulations. As the company's competitive advantage was processing payment transactions from more than 70,000 card machines—80% faster than the industry average— it required

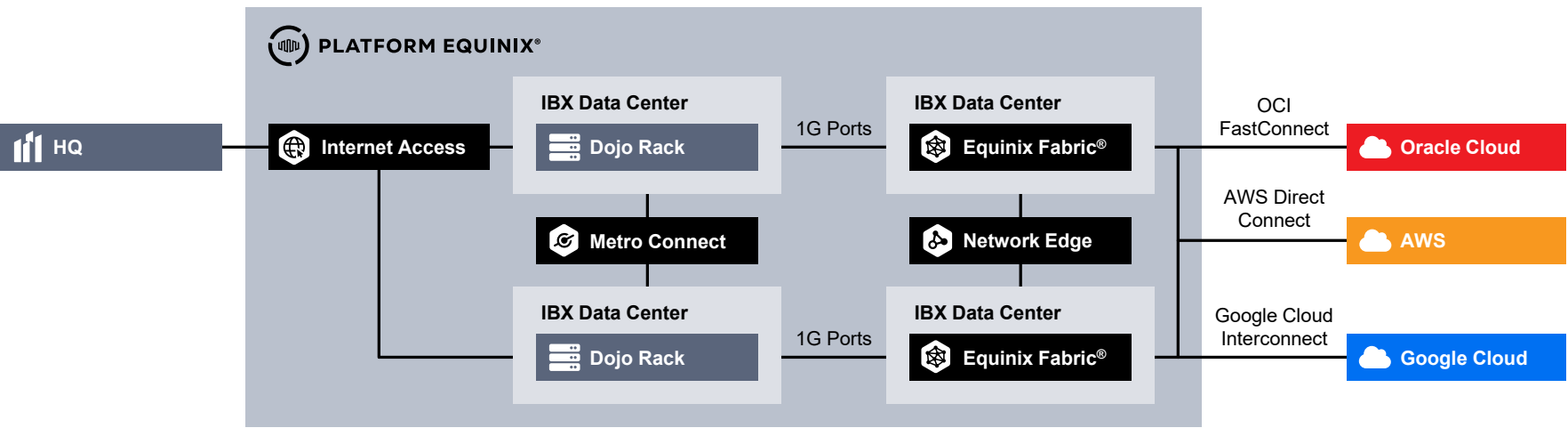
secure, high-speed communication between its cloud providers—Oracle Cloud, AWS and Google Cloud—and its on-premises hardware.

As maximum reliability and minimal latency are key for every single digital payment transaction, Dojo partnered with Equinix to build a redundant, hybrid multicloud infrastructure. The company deployed systems and networks in two UK-based Equinix International Business Exchange™ (IBX®) data centers, where it could securely operate its physical devices and speed access to applications in the public cloud. Equinix Fabric software-defined interconnection enabled Dojo to securely connect to private cloud on-ramps with high-speed, single-digit latency to accelerate customer payment processing and authorization without going over the public internet. Dojo's front-end application was running on both Google Cloud and AWS for greater resiliency. Equinix Fabric provided the company with the reliant private interconnection between both clouds using Google Cloud Interconnect and AWS Direct Connect. Network Edge services from Equinix expedited the deployment of Cisco CSR 1000V virtual routers in London and Frankfurt IBX facilities to speed and scale connectivity to the public clouds virtually, without additional hardware. According to Nick Fryer, Dojo's CTO, "The connectivity between Oracle Cloud, AWS and Google Cloud is crazy fast."

Equinix Internet Access provided the internet service provider (ISP) connectivity to the Dojo hybrid multicloud infrastructure on Platform Equinix®, and Equinix Metro Connect® connected the data centers together. Dojo’s geo-redundant infrastructure delivers active-active application failover so its customers can continuously access its payments platform, especially during peak sales periods.

Its front-end credit card payment services are accessible to customers via AWS and Google Cloud, which connect to the company’s payment network switch and clearing processes (i.e., Visa, Mastercard, American Express and Diners Club International) on Oracle Cloud via Equinix Fabric with Oracle Cloud Infrastructure (OCI) FastConnect.

Dojo needed to deploy its new payment services to Oracle Cloud in a very short time frame due to the easing of the COVID-19 pandemic lockdown restrictions, when hospitality businesses began to generate a massive increase in traffic. Data from OCI is sent via data pipelines using Equinix Fabric to a Google Cloud Storage data lake and then onto BigQuery on Google Cloud for further operational activity and analytics. According to Fryer, “It feels like you have a rack hanging on the side of a public cloud. We’ve seen amazing service from Oracle in problem-solving and strategic planning.”



Dojo built a resilient and secure high-performance, hybrid multicloud infrastructure on Platform Equinix with Oracle Cloud, AWS and Google Cloud to speed digital payment processing and authorization for its customers.

“Together, Oracle and Equinix are helping customers like Dojo to accelerate the realization of value from their business-critical applications in the cloud, when using Oracle Cloud Infrastructure services via OCI FastConnect with Equinix Fabric. From ultrafast transaction speeds with integrated payments, to enabling next-day transfers to customers, Dojo is able to press ahead with reinventing digital payments using Oracle Cloud Infrastructure services in partnership with Platform Equinix,” says James Allerton-Austin, Senior Director of Cloud Strategy and OCI Centre of Excellence, Oracle EMEA.

“Equinix is the Rolls Royce of data centers and digital infrastructure platforms. It provides us and our customers with the reliability, security and performance we require to accelerate and scale our payment services internationally to stay ahead of the competition.”

Nick Fryer, Chief Technology Officer, Dojo



Solution components

Equinix Fabric

Provides secure, on-demand, software-defined interconnection for digital infrastructure, enabling global connections in the industry's largest ecosystem.

Equinix Internet Access

Delivers primary and secondary internet access with physical and virtual connection options, offering scalable bandwidth and multiple upstream providers in each market.

Equinix Metro Connect®

Offers direct, dedicated, carrier-grade network links between customers in one IBX and partners in another IBX within the same metro.

Network Edge

Enables customers to modernize networking in minutes by deploying network functions virtualization (NFV) from multiple vendors across Equinix metros, without additional hardware requirements.

Benefits

Dojo is able to deliver fast, reliable and secure payments for its customers on Platform Equinix with the following advantages:

Fast, reliable payment service delivery

Equinix delivers a reliable, high-performance, scalable colocation and digital infrastructure platform.

This allowed Dojo to continuously run and easily monitor its digital payment services on Platform Equinix and attract larger businesses, while delivering payment services 80% faster than the industry average.

Private, scalable interconnection to public clouds

Equinix Fabric provided the dedicated software-defined interconnection required for Dojo to securely access Oracle Cloud, AWS and Google Cloud on-ramps within Equinix IBX data centers and scale its services, without going over the public internet.

Ecosystem access at speed

Network Edge virtual network services and Equinix Fabric gives Dojo the high-speed, low-latency software-defined networking it requires to access public cloud and financial services ecosystems for accelerated payment processing to its customers.

Resilience and geo-redundancy

By replicating its hybrid multicloud infrastructure within interconnected Equinix IBX data centers, Dojo is able to continuously provide its financial services to its growing customer base, without any disruption.

Instant global scale

As Dojo's business grows internationally, it can instantly expand its digital infrastructure on Platform Equinix, with its more than 260 global data centers.

Future First sustainability

Equinix is committed to reaching 100% clean and renewable energy coverage for its global platform, enabling a seamless partnership to support Dojo's key sustainability considerations.

Result

Optimized service delivery

80% faster than the industry average.

Software-defined interconnection

Secure, direct access to Oracle Cloud, AWS and Google Cloud.

Access to cloud and financial ecosystems

High-speed, low-latency, software-defined interconnection to a global ecosystem of critical partners and providers.

Resilient geo-redundancy

Continuous delivery of payment services.



About Dojo

Dojo is a payment technology provider creating the tools and technology that empower over 50,000 businesses across the UK to thrive in the Experience Economy. Dojo's products include integrated card machines that process payments quickly, reliably and securely, and the Dojo app, which lets customers track their transactions in real time. Every Dojo product is built by its dedicated teams in the UK to address real customer pain points.

[Dojo.tech](https://dojo.tech)

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](https://equinix.com)

Learn more

To learn how you can create a hybrid multicloud infrastructure for your business, contact your Equinix account manager.

Contact us

