IZO™ MULTI CLOUD CONNECT

CLOUD CONNECTIVITY, SIMPLIFIED

INTRODUCTION

Successful hyper-connected enterprises are adopting multiple clouds to bring agility, scalability, and cost efficiency. Gartner estimates that by 2026, more than 90% of enterprises will extend their capabilities to multi cloud environments, up from 76% in 2020.

Whilst multi-cloud adoption is delivering some of the desired benefits, it has also led to an incredible amount of complexity. With the use cases evolving across the hyper-connected ecosystem, enterprises started realizing the challenges in efficiently and seamlessly connecting clouds across regions. As the architecture extended across multiple clouds and regions, operational and cost inefficiencies also became evident. Enterprises also realised the challenges in scalability and flexibility, affecting the in-flight changes due to the onerous process in multiple cloud connection. This impeded them from deriving the appropriate ROI.

Key challenges:	Management complexity	Siloed visibility	Limited agility	Performance issues	Unpredictable cost management

Tata Communications IZO™ Multi Cloud Connect helps address these challenges by providing a simple, flexible, scalable and secure **Multi-Cloud connectivity as-a-Service.**

IZO™ Multi Cloud Connect is built on our global digital fabric that connects cloud to cloud, data center to cloud and user to the cloud.

IZO™ MULTI CLOUD CONNECT IS:

Simple and Flexible:

IZO™ Multi Cloud Connect provides a self-service portal (TCx) to manage and monitor connectivity to multiple cloud services. It simplifies network management tasks, reduces administrative overhead, and provides better visibility and control over the multi-cloud network.

TCx, our customer journey platform provides configurability, manageability and visibility across enterprise WAN and multi-cloud fabric. TCx also delivers programmability to create, configure, scale, and manage multiple cloud connections easily.

Scalable and Reliable:

The platform provides enhanced scalability of up to 100Gbps as well as supporting multiple virtual network functions to bring the cloud services closer to your control. IZO™ Multi Cloud Connect delivers secure and dependable access to the clouds, that can scale up and down in line with the business needs.

Our global fabric delivers an uptime that is unparalleled, delivering up to 100% guaranteed SLAs with fully redundant architecture options.

Secure:

IZO™ Multi Cloud Connect extends security through private connection to cloud and secure WAN fabric that extends the users to cloud. It helps mitigate security risks associated with transmitting data over the public Internet. With IZO™ Multi Cloud Connect, enterprises can maintain higher levels of security, confidentiality, and compliance for their data and applications in a hybrid-cloud or multi-cloud architecture.

IZO™ MULTI CLOUD CONNECT IS AVAILABLE TO ADDRESS DIFFERENT CUSTOMER NEEDS

A DIY Approach

This is for enterprises that prefer a DIY approach to network architecture and configuration. IZO™ Multi Cloud Connect is a platform that can help technology teams create, configure, deploy, and operate multi-cloud connectivity easily.

The service assurance team provides proactive monitoring, ticketing, and resolution for connectivity infrastructure, while enterprise's technology team manage and operate cloud overlay connections through the platform.

Enterprises needing specific expertise during design, delivery or management phases, can avail service modules provided to help address Day 0,1,2 challenges.

Managed Services Approach

This is an end-to-end managed solution appropriate for enterprises, whose multi-cloud environment is complex and requires expert advisory and management. **IZO™ Multi Cloud Connect** combines our platform capabilities with a comprehensive suite of services that include assessment, design, delivery, and management of multi cloud connectivity.

Assessment and Design

We engage with the technology operations team to understand the current state and model of operation (CMO), Future model of operation (FMO) and the application ecosystem. We help enterprises define persona-centered KPIs and design architecture and configuration based on these KPIs.

Delivery

During this phase, a dedicated Program Manager is responsible for building the fabric between branch to clouds and cloud to cloud as per the defined architecture.

Management

Our TCx platform provides complete observability of all infrastructure managed by Tata Communications. The advanced service proposition includes Artificial Intelligence based anomaly detection to proactively action on application infrastructure.

WHY TATA COMMUNICATIONS IZO™ MULTI CLOUD CONNECT

1 **Fast, easy cloud connectivity in less than 10 minutes:** Easy to configure cloud connectivity through the platform. Seamless, fast provisioning of bandwidth in minutes rather than days.

2 **Dependable application experience:** IZO™ Multi Cloud Connect offers 100% uptime SLA with redundant set-up. This means that there is zero downtime for mission-critical applications. Our IZO™ Multi Cloud Connect nodes are located less than 2ms away from major cloud providers for faster access to enterprises applications.

Incidentally, more than 35% of the internet routes are connected to our fabric which means that we can provide a more reliable end to end performance.

3 **Cost Optimization of up to 25%:** IZO™ Multi Cloud Connect helps enterprises save egress costs by 25%, sometimes even up to 40%. Our daily billing model offers unparalleled flexibility.

Fast, easy cloud connectivity In less than **10**Min

Offering **100**% uptime SLA with redundant set up

More than **25**% Cost Optimization

Customer Wins

A leading airline simplifies connectivity to Amadeus with IZO™ Multi Cloud Connect

A leading airline in Asia, migrated their applications to AWS & Azure which required them to integrate with their application provider's travel platform. This was the origination point of complexity where two independently managed clouds had to communicate with each other. IZO™ Multi Cloud Connect not only solved the integration of private cloud and public cloud services on different platforms but also provided them with a node which is highly scalable and provides much greater control.

An IT company enables superior user experience with IZO™ Multi Cloud Connect
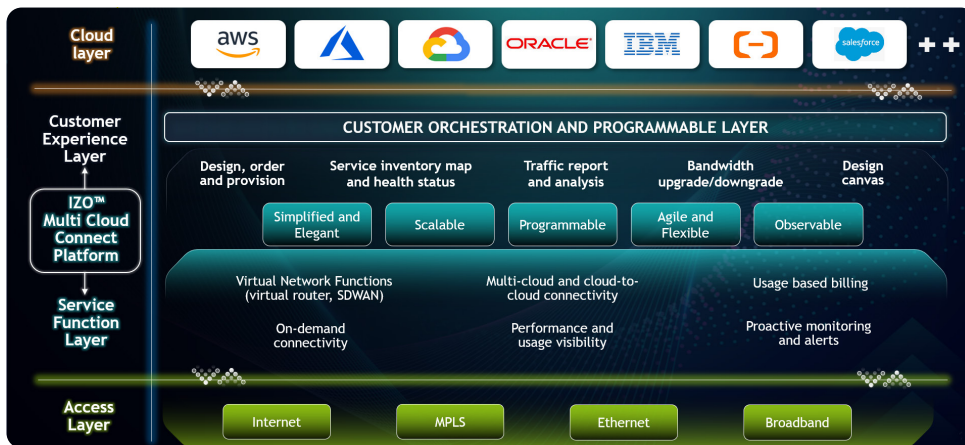
A leading IT company needed to ensure that their contact center agents have reliable access to the contact center platform which was hosted on Azure Cloud. IZO™ Multi Cloud Connect bridged the site MPLS services at agent locations, aggregating the flow of applications in Singapore and Tokyo, allowing seamless exits to Azure platforms irrespective of the country they might be in. This enabled them to get uninterrupted application performance, ultimately enabling superior end user experience

Customer View

We have been partnering with Tata Communications, using their IZO™ Hybrid WAN to connect our sites to data centers. On moving 200+ applications from on-premises to the cloud, we needed a solution to connect our distributed cloud data centers over internet, with performance like MPLS VPN. IZO™ Multi Cloud Connect with virtual router capability provided predictable internet connections from our 100+ sites to business-critical applications in the cloud. Tata Communications has enabled our smooth transition to internet-only network for our cloud transformation.

Oscar Martinez
IT Senior Network Architect,
Clariant SE

Cloud layer — aws, Azure, Google Cloud, ORACLE, IBM, OpenShift, salesforce ++

Customer Experience Layer

CUSTOMER ORCHESTRATION AND PROGRAMMABLE LAYER

Design, order and provision | Service inventory map and health status | Traffic report and analysis | Bandwidth upgrade/downgrade | Design canvas

Simplified and Elegant | Scalable | Programmable | Agile and Flexible | Observable

IZO™ Multi Cloud Connect Platform

Service Function Layer

Virtual Network Functions (virtual router, SDWAN) | Multi-cloud and cloud-to-cloud connectivity | Usage based billing

On-demand connectivity | Performance and usage visibility | Proactive monitoring and alerts

Access Layer — Internet | MPLS | Ethernet | Broadband

IZO™ Multi Cloud Connect Architecture

Analyst View

❝❞ It's not an understatement that everything is moving to cloud. Tata Communications IZO™ Multi Cloud Connect mixes versatile connectivity options, fast and flexible capacity, ease of ordering and configuration, plus optional virtual network functions. It effectively serves site-to-cloud, data center-to-cloud and cloud-to-cloud use cases. Enterprises may find the combination of IZO™ Multi Cloud Connect with IZO™ Internet WAN especially compelling as an option to migrate private networks to Internet with end-to-end, SLA-backed performance guarantees.

Brian Washburn
Research Director,
Omdia

Analyst Recognition

❝❞ Designing cloud connectivity with VNF support and on-demand connectivity, self-served ordering, and orchestration. These capabilities enable customers to accelerate setup, reduce complexity, and streamline their connections to multicloud or hybrid cloud networks.

This unification of networking and cloud management on a single platform will provide customers with greater visibility, control, and automation across their multicloud environments and will further help Tata Communications strengthen its multicloud networking offering.

IDC MarketScape: Asia/Pacific
Communications SP Managed Multicloud
Networking Services 2023 Vendor
Assessment

Contact us