



PORTFOLIO: **VMWARE ENABLED IZO™ CLOUD PLATFORM AND SERVICES**

THE CLOUD YOU CAN CONTROL

NOW YOU CAN RAPIDLY EXTEND, MIGRATE AND PROTECT YOUR VMWARE ENVIRONMENT TO THE FULLY MANAGED IZO™ CLOUD PLATFORM

Tata Communications provides the cloud platform you need - delivering high performance, reliable, seamless and secure application experience through its VMware enabled IZO™ Cloud Platform and Services.

The IZO™ Cloud platform is built on VMware, which harnesses the power of cloud technology and eliminates core migration challenges.

Organisations can seamlessly migrate and extend their on-premise VMware based environments to IZO™ Private Cloud, VMware on AWS environment etc keeping the same Software Defined Centre (SDDC) construct.

THE FLEXIBILITY OF A HYBRID SOLUTION WITH THE CONTROL OF A PRIVATE CLOUD

Take a little managed hosting or colocation, throw in some cloud computing and a couple of legacy systems — and you get an IT environment that’s almost too complex to manage.

If this reflects your own organisation’s situation, you need a responsive infrastructure that can integrate existing systems and be adaptable to your needs.

But how do you achieve this without incurring high IT costs — both from initial capital outlays and ongoing resource requirements? The solution is **Tata Communications’ IZO™ Private Cloud** built on VMware. It’s flexible and secure, giving you complete visibility and control over all your IT resource through a single management platform.

You can seamlessly migrate your existing VMware SDDC construct to the **IZO™ Private Cloud** VMware environment using your same vCenter without any disruption.

The **IZO™ Private Cloud** service is part of the **IZO™** suite of cloud enablement services that make cloud computing fit for enterprise by giving you more predictability and control over your infrastructure.

Using **IZO™ Cloud** services, you can now deliver a consistent and productive cloud experience to your end-users.



PUTTING YOU IN CONTROL

The VMware enabled **IZO™ Cloud Platform** offers you an integrated cloud platform that lets you build the hybrid cloud environment you need, with the flexibility and control you want. You can manage workloads, performance and security across multiple platforms. You’re able to add resources, deploy applications and accommodate new users and business initiatives on demand.

Plus, with a complete set of tools at your fingertips, you can monitor and manage performance, usage metrics and track resource requirements.

You can also set resource thresholds, create custom user templates, dynamically allocate resources and burst to public cloud platforms at a moment’s notice.

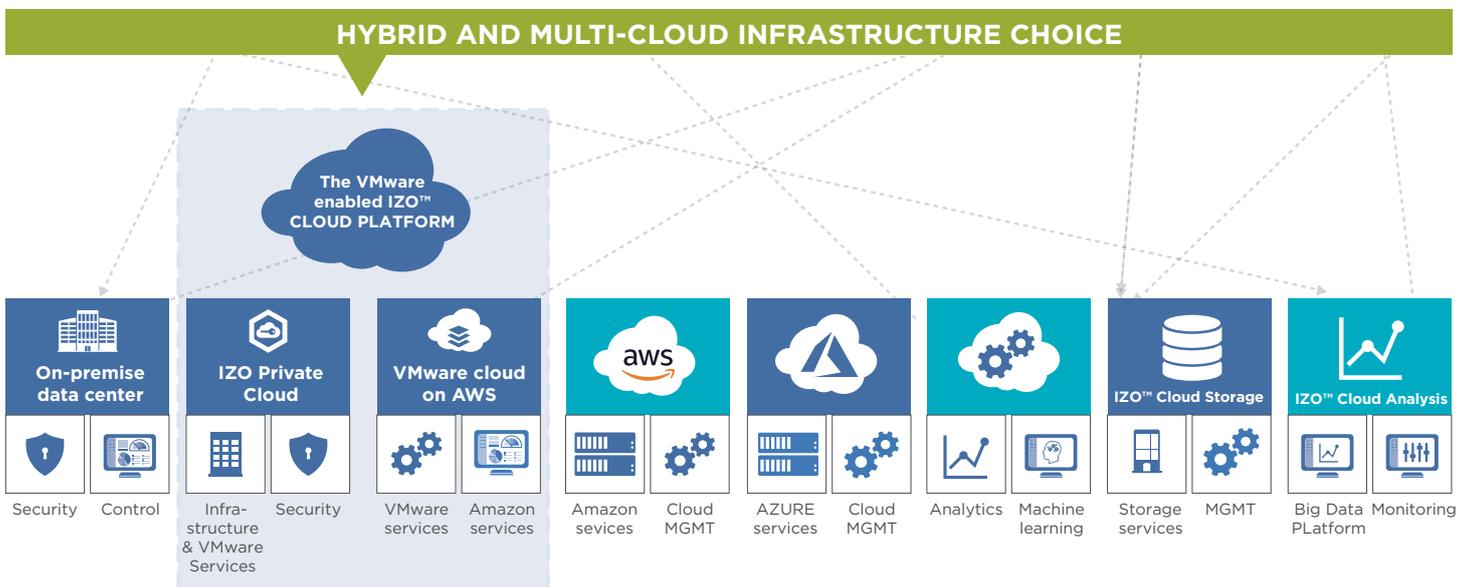


Fig: The VMware enabled IZO™ Cloud Platform

WHAT MORE CAN YOU GET FROM TATA COMMUNICATIONS VMWARE BASED IZO™ CLOUD PLATFORM AND SERVICES?

Tata Communications built the VMware enabled **IZO™ Cloud Platform** using VMware technologies that include vSphere, NSX, vCloud Director, and vRealize Log Insight.

This platform enables you to:

1. Migrate to the Cloud in case of application specific migration, infrastructure refresh and data centre wide migration
2. Scale on demand in case of disaster recovery, on demand capacity, footprint expansion etc
3. Benefit from simplified management of IT resources from a single console

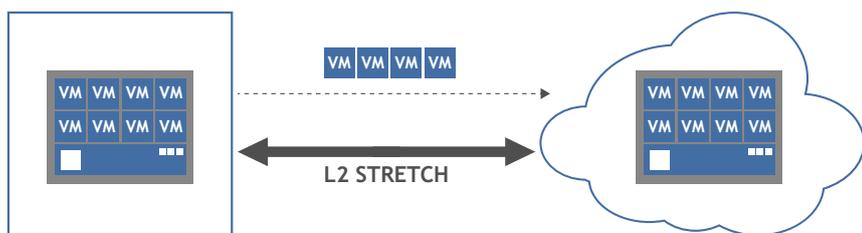
By using VMware NSX, vCloud Director, and vRealize Operations, you can create new network functions, firewalls, or load balancers. You can also implement advanced security services by isolating network traffic between business units.

You'll be able to reduce operational overheads and whether your cloud strategy is migration, extension or protection, you can achieve it faster by leveraging existing skills, tools, processes and familiar VMware technologies.

Your IT team will remain efficient as they continue to use the VMware technologies they know – plus a broad range of solutions that are validated to work with **IZO™ Private Cloud**, such as **IZO™ Cloud** storage to back up your critical data.

ON-PREMISE DATA CENTER

IZO™ PRIVATE CLOUD



Tenant-driven workflows (vCenter plugin)	Cold or warm migration options (vSphere replication)	Seamless connectivity (L2 VPN client)	Tenant on prem: NSX optional, vSphere essentials+ and up

TIME - L2 Stretch & Initial Seeding drastically reduces time to migrate into hours per VM

SECURITY - NSX provides L2 SSL VPN connectivity, Encryption for in-flight Data

COMPLEXITY - Simple User Interface for guided workflows, visibility and control. Flexibility on software versions

COST - No additional license cost, marginal resource at customer premises

KEY FEATURES

- **Hybrid-ready** – integrate, manage and control your distributed IT environments using a single orchestration platform
- **Do-it-yourself** – self-service portal allows administrators and users to access, provision, automate, maintain and view their IT resources
- **On-demand scalability** – users can scale-up and scale-down resources plus burst into public cloud platforms
- **Integrated show-back** and **chargeback** – track and monitor resource allocation and usage across all internal departments
- **Security and privacy** – dedicated or virtual integrated security architecture, configurable RBAC and LDAP integration with SAML authentication
- **Integrated managed services** – auto-ticketing and audit logs, ITSM workflow, monitoring and management, customised reporting and dashboards
- **24/7/365 support** – with ITIL-integrated processes, backed by enterprise SLAs
- **Global Presence** – across 18 various locations worldwide
- **Integrated service delivery** – plus flexible support models
- **Multiple connectivity options** – private or public networks
- **Pay per use billing model** – with daily and monthly options

WHY TATA COMMUNICATIONS

IZO™ Cloud Platform is a complete platform for managing IT infrastructure and business-critical workloads. Hosting, public and private cloud environments are delivered from 18 global locations.

IZO™ Cloud Platform can:

- Support new business initiatives across multiple geographies
- Quickly increase business agility and innovation
- Reduce CapEx and accelerate time-to-market
- Automate IT operations and improve efficiency
- Offer bespoke solution design, deployment, migration and support

AWARDS AND ACCOLADES

- **Frost & Sullivan 2019 Product Line Strategy Leadership Award** for **Global Hybrid Cloud Services**
- **Red Hat 2019 Innovation Awards**, a **TOP FIVE** honourable mention
- **Frost & Sullivan 2019 India ICT Awards Indian Managed Multi-Cloud Service Provider of the Year**



ABOUT TATA COMMUNICATIONS

Tata Communications Limited (CIN no: L64200MH1986PLC039266) along with its subsidiaries (Tata Communications) is a leading global provider of A New World of Communications™.

With a leadership position in emerging markets, Tata Communications leverages its advanced solutions capabilities and domain expertise across its global and pan-India network to deliver managed solutions to multi-national enterprises, service providers and Indian consumers.

The Tata Communications global network includes one of the most advanced and largest submarine cable networks and a Tier-1 IP network, as well as nearly 1.5 million square feet of data centre and colocation space worldwide.

Tata Communications' depth and breadth of reach in emerging markets includes leadership in Indian enterprise data services and global international voice.

Tata Communications Limited is listed on the Bombay Stock Exchange and the National Stock Exchange of India.

For more information, visit us at www.tatacommunications.com

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