

SAFEGUARD BUSINESS CONTINUITY WITH DISASTER RECOVERY SERVICES IN A HYBRID CLOUD

90 percent of the data in the world was generated in the last two years alone¹. Today's highly-digitized world plagues enterprises with exponential data growth, while unleashing an ever-increasing amount of unstructured data like audio, video, images and Internet-of-Things (IoT) data. Traditional data storage, protection and recovery strategies are proving to be inadequate, while budgetary constraints often mean that enterprises do not have adequate disaster recovery (DR) plans to effectively manage the business risks of a possible outage and disruption.

It is time enterprises evolve their data protection strategy to keep up with fast-evolving business and IT requirements, while managing daunting corporate and government compliance on risk management, data sovereignty and security. A resilient IT architecture encompassing data centre redundancy and site replication for the efficient restoration of business operations is one way to ensure the business continuity of mission-critical operations and data security.

Leveraging a hybrid cloud solution eliminates the high CAPEX costs previously required in traditional storage and restore architectures, while offering the economies of scale of an OPEX model. A more flexible and agile Cloud architecture also overcomes inconsistent throughput, performance and security of Internet access, while better managing large data sets while migrating legacy applications.

Key Capabilities

- **Expertise in managed services:** Expert team with deep Cloud and hosting knowledge to plan, migrate, execute and manage DR sites and managed backup.
- **Certifications:** ISO27001, SSAE16, ISO20000

Solution: Tata Business-Continuity-as-a-Service

To help enterprises overcome these challenges, Equinix and Tata Communications joined hands to offer an innovative hybrid cloud solution featuring a unified data platform over hybrid cloud architecture, complete with backup and disaster recovery services.

Hosted on Tata IZO™ Private Cloud platform, the Tata Business-Continuity-as-a-Service leverages Platform Equinix® and Equinix Cloud Exchange™ to ease multi-site deployment for data redundancy in the Cloud across a metro or geography — without affecting applications.

By migrating one's DR destination to the hybrid Cloud, the solution assures enterprises of data sovereignty, integrity and security with these features:

- Protect your data in physical and virtualized environments (Windows and Linux OS, and SQL and Oracle database) with a hybrid cloud solution which replicates your data to an on-premise private Tata IZO Cloud and quickly failover to the IZO Cloud for the rapid recovery of business operations. Ensure smooth and stress-free system recovery with regular DR tests.

Footnotes:

1. Forbes, May 2018: How Much Data Do We Create Every Day? The Mind-Blowing Stats Everyone Should Read

Use Cases

Vertical: Financial Services (Company providing automotive insurance)

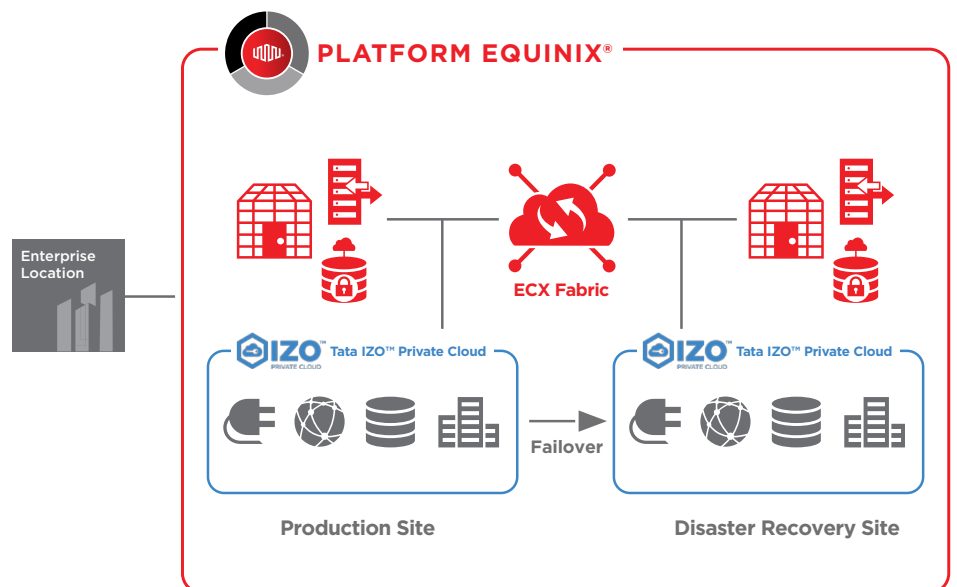
- **Challenges:** To support vision to be the first insurer to host IT infrastructure in a hybrid cloud, needed to scale at optimized cost to support regional business expansion.
- **Solution:** Hosted business applications and CRM data in Tata IZO Private Cloud, complete with disaster recovery and managed data backup services.
- **Results:** Successfully lowered TCO while sharpening competitive advantage with flexibility and scalability.

Vertical: Financial Services (Company providing banking and financing services)

- **Challenges:** To ensure website availability as business grew, wanted to invest in a disaster recovery facility for uninterrupted service availability.
- **Solution:** Migrated legacy in-house environment to Tata ISZO Private Cloud, complete with disaster recovery services to ensure service uptime.
- **Results:** Increased resiliency of company's online presence with 99.999% service availability across 5 years. Ensured compliance with evolving global financial services regulations.

- Virtualized DRaaS leverages vast and scalable infrastructure, which enables the virtual access of assets and requires minimal or no hardware and software investments.
- Hosted in physically secure Equinix data centers that are ISO, SOC and PCI-certified, with data encrypted in-transit and at-rest. Monitor health of data with Tata's automatic systems.
- Replicate data and apps from any virtual machine (VM) to another VM with hardware-agnostic DR. Eliminate vendor lock-in with use of compatible hypervisors.
- Offer verifiable Service Level Agreements (SLAs) for both Recovery Time Objective (RTO) and Recover Point Objective (RPO).

Together with Equinix, Tata Communications is your one-stop source for all your global communications and true hybrid IT infrastructure needs encompassing comprehensive backup and disaster recovery services — empowering your business towards digital transformation.



Benefits

Reliability

Rely on Tata Communications to build a DR plan that overcome threats to business disruption, backed by alternate connections ranging from subsea cable networks, terrestrial fiber networks, global tier-1 IP network to the world's only fiber ring. Thousands of enterprises worldwide entrust their complex infrastructures to Tata's fully managed service by DR experts, which delivers 24x7x365 monitoring of infrastructure services via a dedicated Tata Communications' operations center with more than 300 expert professionals.

Agile and responsive

Be assured of your agility to recover from a catastrophic disaster, backed by industry-leading Service Level Agreements (SLAs) including 4-hour resolution of major incidents and ITIL-aligned processes that are mapped to your DR plans.

Uptime and business continuity

Ensure near-zero business disruption and 99.9% uptime of your DR infrastructure with redundant connections to IT service providers; enable multi-site deployment across metro or geography without affecting applications; optimize locality and performance with tiered data backup and recovery strategy with snapshot backups; ensure business continuity with secondary DR site managed by Tata Managed Services.

Compliance

Leverage global coverage of data storage to comply with global, local and vertical certifications and regulations. Ensure security with time-tested industry best practices based on ISO27001:2013 standards covering all aspects of governance, risk and compliance from physical and environmental security, operational security to personnel security and business continuity.

Lower total cost of ownership

Lower TCO by switching from CAPEX to OPEX pay-as-you-grow model; save time and costs by eliminating procurement and constant upgrades of physical storage hardware; no more worrying over equipment obsolescence and incurring high costs of setting up physical DR sites in separate locations.

For more information on how Equinix and Tata Communication can increase your business agility and reach, contact apac-marketing@tatacommunications.com or visit [Tatacommunications.com](https://www.tatacommunications.com).

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 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 network to deliver managed solutions to multi-national enterprises and communications service providers.

The Tata Communications global network includes one of the most advanced and largest submarine cable networks and a Tier-1 IP network with connectivity to more than 240 countries and territories across 400 PoPs, as well as nearly 1 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 leadership in global international voice communications. Tata Communications Limited is listed on the Bombay Stock Exchange and the National Stock Exchange of India.

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