



# ACCELERATE ENTERPRISE DIGITAL TRANSFORMATION AND MAINTAIN COMPLETE CONTROL WITH HIGH PERFORMANCE, ULTRA-AGILE CONTAINER SERVICES

Tata Communications' IZO™ Cloud Containers revolutionises software delivery and DevOps adoption offering your business the agility to outperform in the market.

- **Ultra-agile:** Launch Docker containers with pre-built templates and application images
- **Secure:** Three levels of security - infrastructure, container and access layers. Secure image registry. Role-based access control, LDAP/AD integration, and a dedicated security gateway
- **Fully-managed:** Highly available Kubernetes cluster, with cluster services, scheduling and orchestration based on Kubernetes load balancing and auto-scaling capabilities

## ULTRA-AGILE INFRASTRUCTURE PERFECT FOR DEVOPS AND MICROSERVICES

Next-generation application development and DevOps demand a high performance infrastructure that traditional IT or cloud environments may not offer.

Operating over multiple OS, languages, databases and tools can pose challenges in deploying, configuring, and managing IT complexities - becoming a burden on in-house expertise and systems, as well as on infrastructure and architecture. A new technology simplifies this process.

Containers are an ultra-agile emerging infrastructure perfectly suited for quick application development. But in order to fully benefit, businesses need enterprise-level container management controls, compliance, security and support.

## INTRODUCING TATA COMMUNICATIONS' IZO™ CLOUD CONTAINERS: COMPLETE ENTERPRISE-LEVEL CONTROL



### GROWTH-READY AGILITY

- **Self-service provisioning:** Launch Docker containers through a self-service portal and define your clusters and application templates. Leverage the source to image process for ready-to-run Docker formatted images
- **Multi-language support:** run multiple languages, frameworks and databases all on the container platform with ease
- **Automation:** automate application builds, deployments, scaling and health management with containers
- **Open source:** native integrations with Docker and Kubernetes provide open source freedom and avoid vendor lock-in
- **Persistent storage:** run both existing stateful applications and cloud native stateless applications using persistent storage

### COMPLETE CONTAINER CONTROL



- **Security:** deploy containers from image registry, with secure images that are regularly scanned for vulnerabilities with the latest security updates. Define policies for deployment for access and permissions
- **Managed services:** get real-time visibility into container cluster performance and enjoy the benefits of managed services, including 24/7/365 support with native ticketing, adherence to ITIL framework, auto-recovery of containers and up to three years of audit logs
- **Container portability:** container model powered by Docker APIs allows applications to run on any platform that supports Docker formatted containers

### CRITICAL QUESTIONS TO ENSURE ENTERPRISE-GRADE CONTAINER MANAGEMENT

1. Does security prevent malware in application code?
2. What if your container infrastructure goes down?
3. How are container clusters managed and with how many parameters?
4. Are audit logs of changes maintained?
5. How are enterprise compliance requirements met?

## FAST-TRACK ENTERPRISE DIGITAL TRANSFORMATION WITH CONTAINERS



### DEVOPS

Improve DevOps adoption in your enterprise with containers. Break down barriers and bridge the gaps between Dev and Ops teams to improve the app development process - so you can achieve faster, more consistent deployments and improve the end-user experience.



### MICROSERVICES

Containers are efficient and automate microservices that also support traditional applications, allowing enterprises to integrate and manage legacy application workloads with new development. You're then able to realise cost savings with distributed applications and an optimised infrastructure.



### APPLICATION MODERNISATION

Overcome infrastructure limitations by transitioning legacy applications to a microservice architecture on containers. Traditional applications are fragmented into multiple autonomous tasks and then unified on a single pane.



### CLOUD NATIVE APPLICATIONS

Enhance the performance of your cloud-ready applications. With containers, you're able to take advantage of application portability across all infrastructure footprints including physical, virtual, private and public cloud. Containers can be easily integrated with our IZO™ Private Cloud and IZO™ Cloud Storage.

Get in touch to learn more about Tata Communications' IZO™ Cloud Containers and how it can accelerate your enterprise digital transformation.

## CAAS: AGILITY WITH FULL ENTERPRISE CONTROL



**High-availability container hosting:** design your own container clusters. Deploy Docker containers using Kubernetes Orchestration engine, with automatic recovery, scaling and load balancing.



**Security embedded in building blocks:** three levels of security - infrastructure, container and access layers. Red Hat certified master registry plus role-based access control, LDAP/AD integration and a dedicated security gateway.



**Fully managed container cluster:** 24/7/365 support with native ticketing plus end-to-end container cluster performance management with ITIL processes for framework and management. Includes auto recovery of containers and up to three years of compliance audit logs.



**Migrate workloads across geographies:** application portability between development and production environments, across geographies, from third party service to IZO™ Private Cloud and network availability zones.

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#### 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 collocation 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.

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

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