

# Vayu Cloud Platform Services for Kubernetes® Solutions

Your one-stop-shop to drive simpler, smarter transformations

## Current challenges around Kubernetes adoption

### Do-it-yourself complexity

While Kubernetes has greatly simplified the task of deploying containerised applications, managing this orchestration framework on a daily basis is still a complex undertaking.

### Improving security

The complexity of Kubernetes makes security a challenge - with vulnerabilities going unidentified if not monitored properly.

### Scaling out reliably

Server outages and downtime are common when scaling infrastructure to meet the increasing demand.

### Managing distributed computing

With workloads distributed in a heterogeneous IT landscape, like on-premise and cloud, enterprises are looking to streamline the process of deploying, managing and scaling applications in this distributed environment.

### Cost overruns

There can be hidden costs in operating Kubernetes - whether through padding application and infrastructure resource allocations, or paying for inefficient or un-used nodes.

### Skill gaps

Scarcity of skilled resources and the need to up-skill the existing workforce.

### Vendor lock-in issues

Though most of the market solutions have created a developer-friendly environment, vendor lock-in, and increasing opportunity and adoption costs, can stop enterprises choosing a technologically advanced service that's outside their cloud provider's scope.

## There is another way...

With our world-class, managed platform services you can **simplify, optimise** and **evolve** across your modernisation journey.



# 1

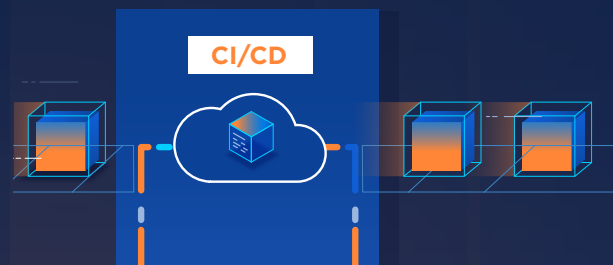
### Streamline and secure with Cluster Management and Security

- Automated cluster deployment and one-click version upgrades with minimal downtime
- Quick deployment and auto-healing
- Centralised logging and monitoring capabilities
- End-to-end management and security

### Eliminate complexity with Managed Open Source Services

- Easily install from large source of managed open-source services as a catalog with one click deployment
- API-based architecture
- Auto-upgrades, auto-scaling and key management
- Freedom to focus only on applications and data

# 2



### Ensure continuity, data retention and restoration with Backup and DR

- Eliminates the time, trouble and expense of building, maintaining and managing your own back-up infrastructure
- Scheduled data backup and restoration
- DB monitoring and management

# 4



# 3

### Keep deployment and management agile with CI/CD and Serverless Computing

- Application deployment and scaling
- Workflow and pipeline management, with open-source integrations
- Event-driven architecture for serverless computing with central monitoring
- Managed DevOps with CI/CD and Function as a Service

## Tata Communications difference

### A one-stop-shop solution

With our one-stop-shop solution we enable you to leverage our infrastructure and deep expertise in operations and Kubernetes management, for a best-fit solution.

- End-to-end Kubernetes management
- VMware-verified infrastructure
- ITSM support with 300+ engineers offering 24/7/365 support across operations, infrastructure, and Kubernetes management

### TCO benefits up to 20 percent

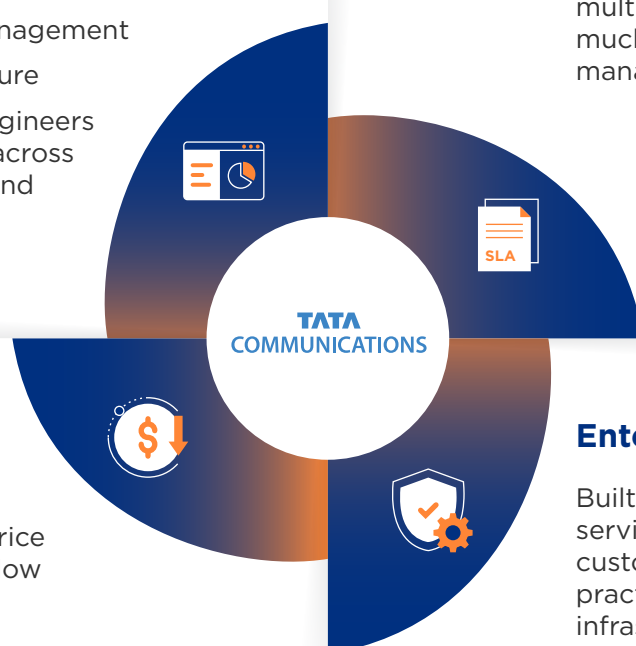
Our underlying VMs deliver price competitiveness, resulting in low total cost of ownership and transparent pricing.

### Integrated SLA

We own every aspect of the solution, you can rely on one single SLA across every layer. Plus, with one partner - rather than a multi-vendor environment - it's much easier to oversee and manage the solution.

### Enterprise grade and secure

Built on our years of experience serving private cloud to multiple customers and incorporating best practices for security from the infrastructure layer to the platform layer.



Deliver a true developer-first experience and become future ready with Tata Communications.

For more information schedule a consultation [today](#).