Digital Transformation Demands Fast-paced Innovation

Digital Transformation requires IT services to be delivered in a fast, agile and streamlined manner across the entire organization. Enterprises in the Financial Services industry constantly need to innovate to attract and retain customers demanding a rich digital and mobile experience. It is also critical to analyze security threats across diverse systems and applications in real-time and at the same time meet all the compliance requirements as well as achieve continuous availability for critical applications.

The industry is looking at containerization and Kubernetes to achieve IT agility, however, there are many challenges that significantly impact the ability of technology leaders to innovate:

- **Infrastructure silos** - Owing to years of organic growth, the application infrastructure landscape is very diverse. Managing legacy applications and modern cloud-native applications at the same time can be challenging. Traditional methods take weeks to provision legacy applications or to provide dev/test refreshes. With release cycles shrinking due to the DevOps culture and modern architecture, developers need much faster turnaround times for their application pipeline that often include legacy applications, as many modern applications depend on legacy applications.

- **High licensing and Infrastructure costs** - Creating dedicated clusters for individual “tenants” (teams, workloads, applications, etc.) is required due to challenges with performance isolation. Each cluster is deployed for peak capacity, leading to significant licensing and hardware costs.

- **Infrastructure lock-in** - Migrating customized applications to the cloud is not easy. Locked into infrastructure choice limits your ability to scale and experiment with new ideas.

ROBIN Platform Enables “As-a-Service” Experience

ROBIN is a Software Platform for Automating Deployment, Scaling and Life Cycle Management of Enterprise Applications on Kubernetes. ROBIN automates the provisioning and day-2 operations so that you can deliver a “Self-Service” experience with 1-click deployment simplicity for developers, DBAs, and Data Scientists.
Solution Benefits and Business Impact

ROBIN brings the agility, scale, and portability of cloud-native architecture to all your applications.

**DELIVER PRODUCTS/FEATURES FASTER**

**Self-service experience**
ROBIN provides self-service provisioning and management capabilities to developers, DBAs, and data scientists, significantly improving their productivity. It saves valuable time at each stage of application lifecycle.

**Provision application stacks in minutes**
ROBIN platform automates the end-to-end database provisioning process for entire application stacks and pipelines. The entire provisioning process is a 1-click operation and takes only a few minutes.

**Agile Dev/Test refreshes**
ROBIN application aware clones can instantiate application pipelines with 1-click and share among Development, QA, and Operations teams. Getting a Dev/Test refresh from a production database only takes a few minutes and is completely self-service. Moreover, ROBIN’s copy-on-write cloning method significantly reduces storage requirements.

**Scale on-demand**
No need to create IT tickets and wait for days to scale-up Database Servers by adding more memory, CPU, or storage, or to scale-out by adding more nodes to your distributed application. Cut the response time to a few minutes with 1-click scale-up and scale-out.

**Simplify lifecycle operations**
Native integration between Kubernetes, storage, network, and application management layer enables 1-click operations to provision, scale, snapshot, clone, backup, migrate for application stacks, reducing the administrative cost.

**High availability and self-healing**
ROBIN provides high availability and self-healing out of the box, eliminating the need for extra licenses and/or standby hardware. Rack-aware data placement rules ensure your HA setup is production-ready.

**FUTURE-PROOF YOUR ENTERPRISE**

**Standardize on Kubernetes**
Automate your data and application infrastructure using cloud-native technologies such as Kubernetes and Docker. ROBIN solves the storage and network persistency challenges in Kubernetes to enable its use in the provisioning, management, high availability and fault tolerance of mission-critical deployments.

**Migrate to the public cloud**
ROBIN provides easy cloud migration for data pipelines as well as customized multi-tiered applications. Simply containerize and clone your entire application cluster, including data, and migrate to the public cloud of your choice.

**No vendor lock-in**
Kubernetes-based architecture gives you complete control of your infrastructure. With the multi-cloud portability, you have the freedom to move your workloads across private and public clouds, you avoid vendor lock-in.

To learn more and to try ROBIN visit: [robin.io](http://robin.io)

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