

Automate Complex Enterprise Applications

Deliver Your Apps as a Service, Anywhere



The Robin application automation platform enables enterprises to deliver complex data- and network-centric application pipelines as a service. Only Robin is architected with application and infrastructure topology awareness, automating the provisioning and life cycle management of critical applications and platforms such as big data, NoSQL, and 5G.

Robin includes bundles for dozens of enterprise applications, including Cloudera, MySQL, Oracle, Elasticsearch, MongoDB, WordPress, Splunk, and more – all with the ease of one-click deployment.

For the first time, developers and platform engineers can rapidly deploy and easily manage complex applications independent of storage, networking, Kubernetes, and other resources. Robin optimizes these resources invisibly, so users can focus on their apps, not infrastructure.

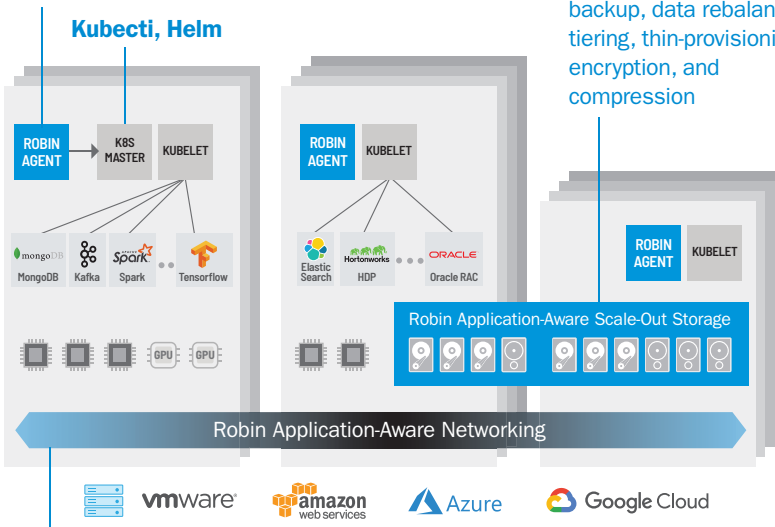
Robin Platform on Kubernetes

Easy Kubernetes Management

Auto-creates StatefulSets, persistent volumes, claims, services, and more to meet application needs

Enterprise-class Storage

Includes snapshots, clones, QoS, replication, backup, data rebalancing, tiering, thin-provisioning, encryption, and compression



Built-in Flexible Networking

Includes OVS, Calico, VLAN, overlay networking, and persistent IPs

Key Benefits

- **Higher developer productivity**
- **Improved resource utilization**
- **Lower CAPEX and OPEX**
- **Always-on availability**

Platform Stack Components

Application workflow automation

Manage data-centric applications and configure Kubernetes, storage, and networking with application workflows.

Application bundles

Automate infrastructure deployment with one-click ease.

Kubernetes

Run big data and databases in extended Kubernetes, eliminating limitations that restrict Kubernetes to micro-services applications.

App-aware storage

Allocate storage while deploying an application or cluster and share storage among apps and users. Get SLA guarantees when consolidating applications, support for data locality, affinity, anti-affinity and isolation constraints, and tackle storage for applications that modify the Root filesystem.

Virtual networking

Set networking options while deploying applications and clusters in Kubernetes, and preserve IP addresses during restarts.

Robin Platform Features and Benefits

Features

Benefits

Application bundles:

Self-service, app-store experience with bundles for dozens of enterprise applications.

Slash deployment and management times from weeks to minutes. Deploy and manage data-centric applications and services in Kubernetes.

Control QoS:

Dynamically control QoS for every resource, including CPU, memory, network, and storage.

Get complete visibility into the underlying infrastructure, set min/max IOPs, eliminate noisy neighbors, and guarantee application performance.

Rapid clones:

Clone the entire application along with its data: thick, thin, or deferred.

Eliminate performance penalties, back up data with ease, and share data among users and applications (dev/test and production) with no additional storage.

Application snapshots:

Take unlimited full application cluster snapshots, which include application configuration and data.

Restore or refresh a cluster to any point-in-time using snapshots. Roll back easily with one-click to the last snapshot in case of data corruption.

Scale:

Decouple compute and storage, scale independently.

Scale out by adding nodes, or scale up by increasing CPU, memory, and IOPs.

High availability:

No single point of failure, reliable crossover, and the ability to detect failures.

Get automatic app-aware data failover for complex distributed applications on bare metal. Robin is the ONLY product to provide HA for applications that persist state inside Docker images.

Upgrades:

Automated rolling upgrade of application containers.

Safe-upgrade technology guarantees that failed upgrades can be rolled back without disrupting the application.

Robin Platform Application Bundles



Customer Success Stories: Enterprise Apps as a Service

Fortune 500 Financial Services Enterprise

- 11 billion security events ingested and analyzed each day
- DevOps simplicity for Elasticsearch,
- Logstash, Kibana, and Kafka

Global Networking and Security Leader

- 6 petabytes under active management in a single Robin cluster
- Increased agility, consolidation for Cloudera, Impala, Kafka, and Druid

Global Travel Technology Company

- 400 Oracle RAC databases managed by a single Robin cluster
- Self-service environment for Oracle and Oracle RAC