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**

- Autocreates 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**

<table>
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<tr>
<th>Features</th>
<th>Benefits</th>
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<tr>
<td><strong>Application bundles:</strong></td>
<td>Slash deployment and management times from weeks to minutes.</td>
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<td>Self-service, app-store experience with bundles for dozens of enterprise applications.</td>
<td>Deploy and manage data-centric applications and services in Kubernetes.</td>
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<td><strong>Control QoS:</strong></td>
<td>Get complete visibility into the underlying infrastructure, set min/max IOPs, eliminate noisy neighbors, and guarantee application performance.</td>
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<td>Dynamically control QoS for every resource, including CPU, memory, network, and storage.</td>
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<td><strong>Rapid clones:</strong></td>
<td>Eliminate performance penalties, back up data with ease, and share data among users and applications (dev/test and production) with no additional storage.</td>
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<td>Clone the entire application along with its data: thick, thin, or deferred.</td>
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<td><strong>Application snapshots:</strong></td>
<td>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.</td>
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<td>Take unlimited full application cluster snapshots, which include application configuration and data.</td>
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<td><strong>Scale:</strong></td>
<td>Scale out by adding nodes, or scale up by increasing CPU, memory, and IOPs.</td>
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<td>Decouple compute and storage, scale independently.</td>
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<td><strong>High availability:</strong></td>
<td>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.</td>
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<td>No single point of failure, reliable crossover, and the ability to detect failures.</td>
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<td><strong>Upgrades:</strong></td>
<td>Safe-upgrade technology guarantees that failed upgrades can be rolled back without disrupting the application.</td>
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<td>Automated rolling upgrade of application containers.</td>
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**Robin Platform Application Bundles**

- cloudera
- HBase
- HBase
- kafka
- elastic
- Couchbase
- Cassandra
- MongoDB
- Oracle
- SAP HANA
- Splunk
- MySQL
- Hortonworks
- Spark
- Caffe2
- Databricks
- PostgreSQL
- DataStax
- Thumbtack
- stack
- Oracle RAC
- MySQL

**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

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