ROBIN

Global Technology Company for Travel Industry

Industry

» Travel & Hospitality
» Technology
» Airlines

Challenges Resolved

» Delayed provisioning
» Underutilized hardware
» Administrative complexity
» Cluster Sprawl

Business Benefits

» Managed service experience
» Lower CAPEX
» Operational efficiency

400 Oracle RAC Databases Managed by a single ROBIN cluster

Travel & Hospitality technology leader creates self-service environment for Oracle and Oracle RAC with ROBIN

Business Overview

Millions of consumers interact everyday with hundreds of systems powered by this pioneering technology leader in the Travel & Hospitality industry. With a full range of travel products and services, this technology company powers mobile apps, online travel sites, airline and hotel reservation networks, travel agent terminals, airport check-in kiosks, aircraft and crew scheduling systems, and multitudes of other solutions. As a result, their IT landscape is fairly complex, where hundreds of applications need to interact with each other in real-time. The company processes and stores billions of events daily through hundreds of applications.

Critical Pain Points

» Enormous hardware costs to run the applications

» Extremely complex and procedural delays to provision

» Use of dedicated virtual machines for each application stack, Oracle RAC instances, and expensive SAN arrays to meet strict SLAs and data protection requirements

» Resulting hardware underutilization, cluster sprawl and unsustainable storage growth

» Excessive capital spend

As a technology pioneer, this company was drawn towards containerization as a lightweight, zero-performance-impact alternative to traditional virtualization for database applications.

Business and Technical Benefits

ROBIN provides faster time-to-market with a managed service experience with an App-store like experience and 1-click operations for all application lifecycle tasks. The technology company leveraged ROBIN to create a managed service experience for their developers. The database-as-a-service environment eliminated the need for the developers to create IT tickets for database provisioning and hardware allocation. The DevOps teams were empowered with the ability to create and manage Oracle RAC database instances, reducing provisioning time from weeks to minutes and lifecycle management tasks from hours to minutes.

This customer leveraged Robin's container-based virtual cluster technology to:

Lower hardware costs with consolidation: With ROBIN, this technology leader is able to run multiple Oracle RAC instances on the same infrastructure, They consolidated mission critical 400 Oracle RAC database deployments that are now managed by a single ROBIN cluster.

Operational Efficiency and Agility: The ability to deploy, scale, snapshot, clone, and migrate using simple 1-click operations made their DevOps more efficient. DevOps teams are now able to scale-up or scale-out database applications as soon as the need arises, thus eliminating the necessity of overprovisioning for peak loads. ROBIN also enables 1-click application snapshots and cloning and thus makes it simple to preserve and share the application state.

ROBIN Platform Simplifies Oralce RAC Management

ROBIN simplifies the use of container technology by providing a platform with built-in storage, networking, and application management to deliver a production-ready solution for managing containerized applications.

» **1-Click manageability for the entire suite of applications:** The ROBIN Platform enables this global technology leader to wrap the microservices in a single entity (called a "bundle"), and provide an app store experience to developers. This means the developers can now deploy the entire application, with all its microservices, with a single click.

» **1-Click scale-out and scale-up:** ROBIN provides a self-service interface where developers can easily scale-out or scale-up individual microservice, without having to create IT tickets.

» **Performance monitoring:** ROBIN provides a time-series analysis of real-time and historical performance and resource consumption of each microservice, making it easier to detect anomalies and set up alerts.

Benefits of ROBIN Platform

» **Increased developer productivity:** Developers can now deploy and manage the microservices-based application using 1-click operations. This saves valuable time for developers every day as they build new features and have to deploy and test the microservices multiple times.

» **Improved quality:** The fact that a single bundle describes and specifies the entire application benefits the company's quality system and eliminates most differences between Dev, QA and Production deployments, compared to traditional deployment methods.

» **Lower infrastructure costs:** The ability to scale microservices on-demand helps this company avoid overprovisioning of resources. As a result, the AWS resources can be more effectively managed across Dev, QA, Staging, and Production environments, resulting in a lower overall cost.

» **Higher customer satisfaction:** The ability to set up alerts and detect anomalous behavior of any application helps this leader fix application issues before they cause problems to the patients and healthcare providers. The uninterrupted experience helps build trust with the end-users and leads to higher customer satisfaction.