Case Study ON

Enabling Cloud Infrastructure For A Leading IoT Provider

About

This group of companies is a leading global supplier of technology and services. Its operations are divided into four business sectors: mobility solutions, industrial technology, consumer goods, and energy and building technology.

As a leading IoT company, They offer innovative solutions for smart homes, smart cities, connected mobility, and connected manufacturing. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source.
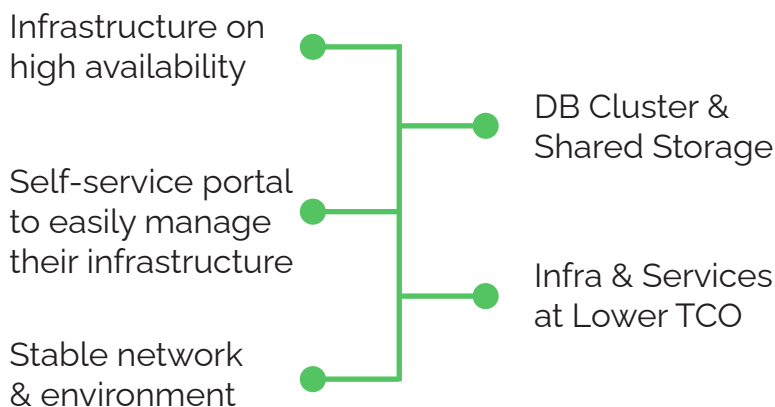
Their strategic objective is to deliver innovations for a connected life. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, They creates technology that is "Invented for life."

The Challenge

The client faced numerous challenges with their new architecture and in deploying new applications due to incompatibility of the technology with their earlier cloud service provider. RB also faced multiple connectivity issues and experienced frequent downtimes of their environment.

Without a Self-service portal, They were not able to provision and decommission VMs on the move. This maximized the manual dependence, further delaying provisioning servers, administrative tasks and thereby, the time to market.

These challenges have influenced them to look out for a state-of-the-art data center & cloud service provider who can provide:

Infrastructure on high availability

DB Cluster & Shared Storage

Self-service portal to easily manage their infrastructure

Infra & Services at Lower TCO

Stable network & environment

Initial Challenges

- Lack of Self-Service Portal
- Connectivity issues
- Frequent downtime
- Incompatibility of technology with existing CSP
- Difficulties in new application deployment

Solution Offered

- Cloud infrastructure
- VPN
- 24/7 infrastructure monitoring
- World class support
- Configuring DB cluster and shared storage
- Cloud training to RB teams

How Pi Led the way

Pi offered the client, cloud infrastructure, VPN, 24/7 infra monitoring and world class support to back their new architecture and applications. As detailed implementation plan was crafted and followed in provisioning all the VMs and establishing a secure network by restricting VM IP's to Robert Bosch only. Pi continuously communicated to RB and all stakeholders on the developments, during the implementation phase.

Pi extended its support to them in implementing its new architecture by configuring DB cluster and shared storage. Pi also provided cloud training to enable their teams to self- manage their infrastructure.

Benefits Delivered

Set - Up and Usage of Application of Choice
The client could successfully set up new applications with required architecture framework, without any limitations. They can now use their applications of choice (Apache & Tomcat web services), for their product engineering requirements

Self- Service Portal
The client can now self-provision and manage infrastructure through self-service portal, cutting down the manual dependencies and reducing the time to market

Stable Environment
The client now experiences a stable environment for their applications, without unplanned downtimes

Lower TCO
The client enjoys state-of-the-art infrastructure and world class support at a relatively lower TCO