



# **Case Study**

# New Technologies Installed in a Non-IT Company in Azure DevOps

Industry: Non-IT industry (Gym /Equipment's)

**Country or Region: Entire USA** 

Customer Size: 700 employees

Size of development team: 50 employees

Client Name: Leading gym equipment manufacturing company

# **Requirements**

A US-based non-IT company, which was using the Unix-based platform Ruby, wanted to adopt new technological tools for the purpose of development and deployment. In order to accomplish this purpose, the company had the following vision.

## Company's Vision

- To reach target state technologies with minimum and optimized learning curve for the existing development team.
- To assist them more with their assets.
- More efficient execution of all this enabled on the proven benefits of Continuous Integration or Continuous Delivery principles.

#### **Challenges**

The company selected Codinix as a partner for accomplishing the procedure and to move away from all inhouse development infrastructures. The entire development and deployment environment was required to be included.

The major objectives were:

- Facilitating a better way of working with the environment that is more contemporary as compared to before
- Ensuring that code sits in the Cloud safely.

The important considerations of Tech Stack included:

- 1. Speed of initial development
- 2. DevOps.
- 3. Continuing maintenance.
- 4. Providing staff the ability to deploy and to make small changes.
- 5. Monthly cost of application (Opex vs Capex).
- 6. Efficient usage of infra.

Some other challenges included:

- Integration with external vendors such as NetSuite Cloud ERP.
- Integration with IoT devices (spread across USA) data, ingestion, and analytics.

#### **Solution Implemented**

The expert team of Codinix first gained insights into existing technologies and development procedures. Thereafter, the business was helped to do a seamless transition and software delivery acceleration was enabled with Continuous Integration / Continuous Delivery. PAAS solutions were implemented.

#### 1. Key Business Drivers

The workload was migrated to the cloud on the basis of the life and shift approach. While migrating workload, the key business drivers that were triggered included:

- The focus was required to be shifted from underlying infrastructure and platforms to application innovation.
- Incomparable availability, scalability, and agility of cloud resources. These things were needed to be better in all the way as compared to on-premises deployments.
- On-demand usage pattern.
- Pay-as-you-go-cost management.
- The requirement of the above-mentioned ones was to help in converting CAPEX to smaller chunks of OPEX.
- Alternative solutions needed to replace end-of-life hardware/software.
- Effective compliance and security management.
- Requirement for hybrid architecture for leveraging services, which are not available on-premises

### 1. Solution

Azure was used to create both deployment and development infra using ARM templates and Terraform tools. Codinix developed the new capability on serverless architecture. To provide a comfortable feel to the development team with new changes, we agreed to use Linux as the in-house platform. Code was migrated on Azure DevOps with defined security parameters on various aspects, such as IP, zone time slot, and more.

In addition to all this, CI/CD pipelines were enabled for deploying infra as well as pipelines for application deployment. Moreover, some aspects were achieved as by-products, such as Code changes, faster MTTR, and Faster Release Increased Team transparency.