

## Certification Project

---

### Problem Statement

edureka!

**edureka!**

© Brain4ce Education Solutions Pvt. Ltd.

## Microsoft Azure Developer Associate Training (AZ-204)

### Background:

Zoyota is a multinational company that produces automobiles and motorcycles. They have an average of over 10 million customers across the globe. Due to the vehicle's performance and automation, the customers are increasing at an exponential rate. The company has its manufacturing units across the globe. Every year, the company introduces, on an average, 10 different models of automobiles for every region.

### Business Requirement:

The company has its entire application and management portal on-premise. The company has decided to move to Azure as they have their entire application build on top of Microsoft Stack. As the first step, the organization has decided to migrate the "Fleet Management Portal" to Azure. As per the company compliance, no data should leave the country. Business users must validate the new versions of the application before deploying it to the production environment. Identity Access Management for the applications should be provided.

### Technical Requirements

#### Department

#### Storage repository

The data storage currently used on-premise has a storage capacity of minimum 250 TB. Data should be replicated at various locations, so that the latency during accessing the data is less. In case of absence of the admin, the access to the storage should be granted to another team member as the admin.

#### Website

The company website must be deployed on Azure as a Web app service scheduled to store a backup once every week. The website should have a minimum storage space of 100 GB as the log files get logged into the file server. It should validate the application from the staging slot before deploying to LIVE.

#### Security

It should provide authentication for accessing the application via Azure Active Directory. The Application Request Routing must be disabled for the application due to security reasons. Customers will be asked to submit their proofs within 48 hours after being informed by the marketing team. The proofs will be stored inside the blob storage. After 48 hours, the proof submission is blocked.

#### Search

The Employee Management Portal should have a search logic implemented which can give good performance benefits. Apart from search, the service should also provide suggestions on the search. The company is currently using SQL queries with LIKE operator to perform the search but as the size of the database increases, the SQL query does not fetch the required performance.