BUSINESS CASE

DATA ARCHITECTURE AND DATABASES

ONLINE BANKING DATABASE MIGRATION TO ORACLE CLOUD

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PROJECT & BACKGROUND

Great Company

Our company is an online banking service that provides a range of financial services to its customers. Customers can access their accounts and conduct transactions through our website and mobile application.

Company growth

Our online banking service is positioned for tremendous growth in the next years as more consumers transition to online banking and demand for digital financial services rises. We will have the scalability and flexibility to handle this demand if we migrate to a cloud service.

Present

Our present self-hosted database infrastructure is having trouble scaling and offering a seamless user experience due to the rising volume of transactions and client data.

Challenges

Our current self-hosted database faces challenges in maintaining security and compliance, It also faces challenges in meeting the increasing demand for transactions and maintaining uptime, and we need to ensure compatibility with the latest technologies.

GOALS & OBJECTIVE

Overview:

Our business provides its consumers with a variety of financial services through its online banking platform. Our database has expanded in size and complexity along with the number of our clients and their transactions. We have made the decision to move our database to a cloud service, such as Oracle Cloud, in order to handle this expansion and enhance our capacity to manage our data. This will give us the scalability, adaptability, and security required to meet our clients' needs.

Problem Statement

We have a large and complicated database to handle, which is our main issue. There is a bottleneck in our operations since our current infrastructure is not designed to accommodate the growing number of clients and their transactions. Additionally, the scalability and flexibility of our current data management system are insufficient to accommodate our projected development.

Solution

Moving our database to a cloud provider, like Oracle Cloud, will solve this issue. With the move to the cloud, we will have the flexibility to scale up or down our resources as necessary to meet consumer demand. Also, we will be able to handle our data more effectively, lowering the possibility of errors and enhancing our capacity to offer our clients high-quality financial services. Our data is safeguarded against any unwanted access thanks to the built-in security safeguards and compliance certifications provided by the Oracle Cloud platform.

Challenges

Making sure our data is secure will be one of the primary obstacles of the migration process. We must make sure that our database is only available to authorized employees, and that all of our data is encrypted and safeguarded at all times. We must also make sure that our systems and applications work with the new platform and that any necessary adjustments are performed quickly and effectively. To lower the chances of data loss or downtime throughout the transfer process, we must have a thorough backup and disaster recovery plan in place.