10/21/2022

Syed Mohammad Ibrahim

ENPM665 – Cloud security

UID: iamibi

Email: [iamibi@umd.edu](mailto:iamibi@umd.edu)

Cloud Migration

Executive Summary Report

Index

[Introduction 2](#_Toc117022928)

[Company description 2](#_Toc117022929)

[Products and services 2](#_Toc117022930)

[Market analysis 2](#_Toc117022931)

[Competitive analysis 2](#_Toc117022932)

[Funding request and use 3](#_Toc117022933)

[Financial projections 3](#_Toc117022934)

[Conclusion 3](#_Toc117022935)

## Introduction

The purpose of this report is to provide an outline of how the migration process from on-prem server to a cloud will look like. It will cover all the necessary details that are required for the migration specially focusing on security point of view and the various benefits that are going to come with it.

## Products and Services

Following are the recommendations that are suggested as part of the migration process:

1. The cloud infrastructure will help in making the services of the company available for a long duration even when a couple of servers are out for maintenance
2. Manual effort of dealing with physical storage goes away as cloud server is managed by a third-party client who we will sign a binding contract. The contract will make sure that the respective third-party takes care of the physical storage location and maintain it to the best of their ability
3. An asynchronous backup operation can be setup which will make sure that if there is a loss of data on the primary servers, there is always a backup to restore from. This backup can happen multiple times a day/week depending on the size of data and configuration that we prefer
4. A lot of third-party cloud services allow Identity and Access Management (IAM). This assists in making sure that the users on the cloud have correct access permissions to add/update the data on the cloud based on the authenticity that is established
   1. Authentication to cloud account is recommended to use Multi-Factor Authentication (MFA) which comes baked in. Leveraging it will make sure that only the employees of Kobra Kai have access to the cloud
   2. Authorization based on access levels will make sure that privilege access is attached to a certain roles like admin or top-level management of Kobra Kai

## Market analysis

A few questions to answer in this section include:

Is there a market opportunity for the problem?

How do you plan to grow your customer base and expand your market share?

What is the five-year growth plan for this product/service?

What is the most interesting thing you’ve learned about your target audience that the reader should know?

## Competitive analysis

Questions to answer as part of your competitive analysis include:

Who are your competitors?

What are the present and future opportunities?

What is the unique value proposition of the product or service?

Do you have experience with competitors?

What are the risks particular to this niche or line of product?

What roadblocks do you expect to address?

## Funding request and use

Use this section to sweeten the pot for investors. How much will you need to fund your business? What is the profitability of your business? How will investors benefit?

## Financial projections

Include financial data that supports your research such as:

The budget baseline for your business plan

Your projected revenue for the first three years

Your plan to manage finances

Your current and future business finances

## Conclusion

The conclusion is a recap of the problem and the solution. Ask about the decision you want the reader to take. The outcomes should be obvious but leave room for intrigue so they feel compelled to read the rest of the business proposal.