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Executive Presentation Outline

1-minute elevator pitch video explaining my proposed cloud adoption plan to executive leadership.

Cloud adoption plan should address the hypothetical scenario earlier.

Video must either be 00:50-1:10 or else we will be penalized.

Video Link: <https://youtu.be/Tm--LP6nyuI>

Scenario:

Scenario

Problems that need solutions

What we are tasked to-do

CougarFlix is the largest video streaming service for college-aged students. The company currently runs its own IT infrastructure in a Mira Mesa data center and a disaster recovery facility in Virginia. The company’s video production facilities are in a large skyscraper in downtown San Marcos, which has been closed due to COVID-19. After seeing the success of the Saturday Night Live @ Home series, the company has decided to move all production to the homes of employees. This poses a problem, because the existing IT infrastructure is not adequate for a distributed workforce let alone video production and distribution. Your manager, the VP of IT, has asked that you put together a proposal for the company to shift all IT infrastructure to cloud-based providers. You should consider costs, supportability, availability, reliability, and scalability as part of your proposal. Your proposal will consist of 5-7 slides and a 1-minute “elevator pitch” video that highlights the advantages and disadvantages of cloud adoption. To counteract the disadvantages, you should discuss how your proposal mitigates any disadvantages. In addition, you will design and implement a pilot cloud deployment for the organization’s corporate website using common automation and security software discussed in this course. You may not simply propose using a SaaS (Software as a Service)-based service like WordPress.com, Wix, or Squarespace. You must propose using either Amazon Web Services (AWS) or Google Cloud Platform (GCP) as an Infrastructure as a Service (IaaS) platform for this project.

Our task:

To put together a proposal for the company to shift all IT infrastructure to cloud-based providers. We should consider costs (instance types and their costs, S3 buckets and their costs), supportability [resource](https://console.aws.amazon.com/support/home?#/) (aws support engineers), availability (multiple availability-zones in each region, another cost aspect), reliability (redundancy in azs, multiple azs), and scalability (elastic load balancing).

Advantages of cloud support:

Seemingly infinite scalability

Seemingly unlimited storage capacity

Multiple availability zones with various regions for consumers

Cost-saving

Back-ups and restoration of data

collaboration

Disadvantages of cloud support and our solutions:

Technical issues such as outages can occur often

This is why we will have multiple availability zones within the same region [attached with an auto-scaling group](https://docs.google.com/document/d/1Y_9soAqGBxWHv1EL3fIpsrW-vW94NyOA3z-lY25xCmM/edit).

Security Threat in the Cloud

The security threat of a cloud provider breach of compromised systems/servers that we

are hosting our information on

This is why we would opt for a isolated-tenant -cloud option, this is where we can have our own dedicated server so that we do not share hardware with another firm. We would also practice least privileges amongst our staff to limit internal breaches.

Downtime

This is a possibility, however our provider AWS has a prestigious track record of

exceptional statistics showing that they rarely if at all have downtime. Show statistics

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Scenario

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SLIDE 1: title

SLIDE 2: introduction

SLIDE 3: objective

Due to our primary facility being closed due to health restrictions and the increasing demand in our popular streaming services, our corps IT team have developed a plan to transition all of our corps IT infrastructure and capabilities to a completely remote cloud environment. This transition will allow us to increase our workload and operational capacity all while maintaining in compliance with current and future health restrictions.

SLIDE 4: proposed solutions

SLIDE 5: pro

SLIDE 6: cons + mitigations