Cloud Computing

TRANSITIONING TO A CLOUD ARCHITECTURE

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Why does ThirdEye Pictures need the Cloud?

ThirdEye Pictures is a mature company who have failed to modernise and consequently failing to deliver a quality service to their customers.

They're current infrastructure is; Insecure, Unscalable, Poorly Managed, Vulnerable to Attacks and Failing to Deliver Quality Services.

Transitioning to the Cloud

BENEFITS

- ✓ Scalability
- Security
- Cost-Efficiency
- Plethora of additional AWS services

RISKS

- Loss of Data
- Incompatibility of the current infrastructure

Adopting AWS Rekognition

AWS Rekognition is a deep-learning software dedicated to analysing images and videos.

Will create an engaging experience for customers by granting them the option of 'query'; the ability to detect Emotions, Items, Faces, etc.

Can even help stop the perpetuation of hateful agendas.

It's been adopted by reputable businesses and companies such as: U.S Immigration and Customs Enforcement (ICE) and Orlando Florida Police.

Let's Talk about the AWS Technologies

Amazon Elastic Compute Cloud

Provides secure and resizable computing capacity in the Cloud.

Offers storage volumes that can be used for a range of data types such as; File Systems, Databases or Any Applications.

Automatically adjusts to the need of ThirdEye's workload, by altering the data to the more cost-effective access tier.

Some of the storage volumes can be established as a Temporary Data Storage option; which can then be deleted, hibernated or saved permanently.

Amazon Relational database Service

ThirdEye Pictures is currently incapable of maintaining their data adequately.

The key feature of the Amazon RDS is that it frees the company from doing the manual tasks, and provides automatic features such as: Scaling, High availability, database backups, database software patching, database software install, OS patching, OS installation, Server maintenance, hardware lifecycle, power, network and cooling.

Thanks to this service, a substantial amount of maintenance is automatically handled.

Amazon Web Application Firewall

ThirdEye Pictures has been victim to 3 DDoS attacks within 1 year.

WAF will monitor all requests from users that are trying to communicate with the website.

Operates hand in hand with AWS shield (automatically included) which specifically detects and mitigates DDoS attacks.

The service grants ThirdEye Pictures with the privilege of accessing a dedicated response team.

In the unlikely event that a DDoS attack is successful, WAF's technology automatically acts to minimize application downtime and latency – so the response team will rarely be needed.

Executive Summary