Cloud Migration and Infrastructure Implementation for an **Asset Management Company**

CASE STUDY

About Client
A Leading Asset Management Company

Industry
Financial Services and Asset Management

Service
Cloud Migration and Infrastructure Implementation

Business Needs

The asset management company aimed to leverage cloud technology to enhance its operational capabilities and customer experience.

Their primary objectives included:

◥ Move mission-critical applications to the cloud for improved security and resiliency

◥ Enable data analysis on the cloud for better user experience

◥ Achieve faster go-to-market rate, agility, operational benefits, and cost reduction for development and test workloads

Business Challenges

The asset management company faced several critical challenges with its existing infrastructure, including:

◥ Multiple design decisions for integrating new projects and solutions

◥ Management and team collaboration challenges

◥ Segregation of duties across multiple accounts

◥ Compliance and risk management

◥ Centralized policy management and auditing

Business Solution

A comprehensive solution was designed to address these challenges and meet their business needs. This included:

◥ Implementation of AWS Landing Zone with Control Tower

◥ Multi-account structure for security, logging, and environment segregation

◥ Centralized security controls and monitoring

◥ Implementation of disaster recovery strategy using AWS services

◥ DevOps implementation for CI/CD pipeline

Tech **Stack**

The implementation leveraged a robust set of technologies and tools, including:

AWS Services	Control Tower, Organizations, SSO, VPC, Direct Connect, CloudTrail, GuardDuty, KMS, Config, Application Load Balancer, RDS, Elastic Beanstalk

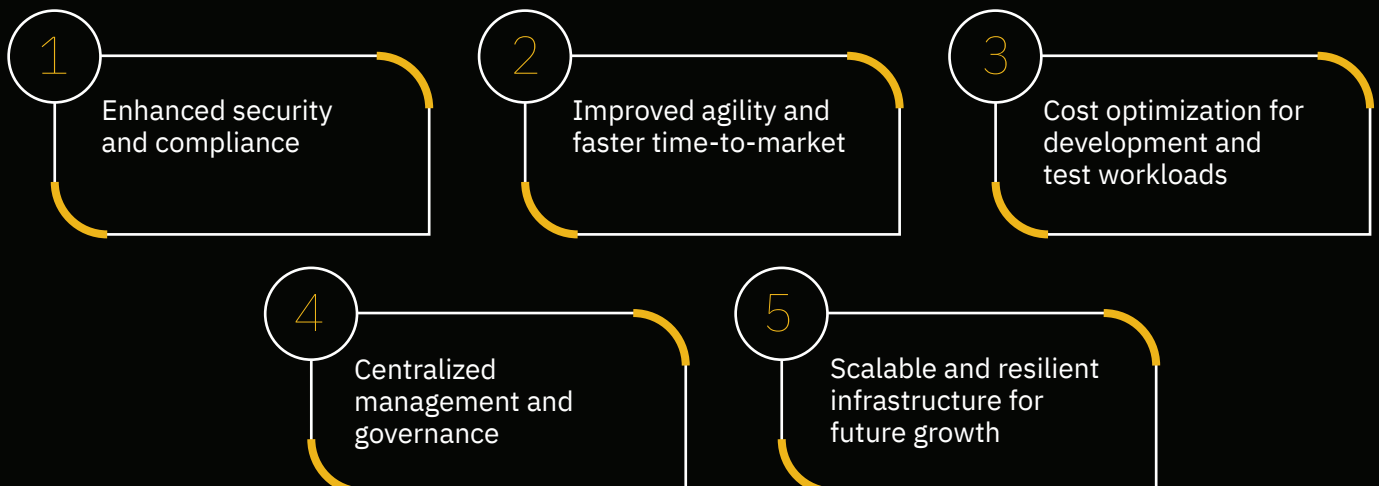| Development	.NET Core 6, C#, Angular 13, Ionic 6, MySQL	Infrastructure as Code	CloudFormation, Terraform, Ansible
DevOps	AWS CodeCommit, CodePipeline, CodeDeploy	Monitoring	CloudWatch

Project **Differentiator**

Several key factors set this project apart from typical cloud migrations:

- Comprehensive Landing Zone architecture with security best practices

- Serverless architecture for application deployment

- DevOps implementation for continuous integration and deployment

- Disaster recovery strategy with a pilot light approach

- Integration of on-premises and cloud resources

Business **Impact**

The cloud migration and infrastructure implementation significantly benefited the asset management company. This included:

1 Enhanced security and compliance

2 Improved agility and faster time-to-market

3 Cost optimization for development and test workloads

4 Centralized management and governance

5 Scalable and resilient infrastructure for future growth

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Conclusion

Implementing an AWS Landing Zone with a Control Tower and deploying a custom project on the AWS cloud provided the asset management company with a secure, scalable, and efficient infrastructure. This solution addressed their business needs for agility, security, and operational efficiency while setting up a foundation for future growth and innovation in the cloud environment.

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