



Delhi University

Project Objective

Delhi University needed a highly accessible, secure platform that is dependable and scalable due to the complexity of managing and deploying applications. To manage the massive volume of student data, the company battled with the scalability of its current infrastructure and data storage. DU desired end-to-end encryption capabilities and low-cost, efficient storage for the application logs.

Project Benefits

The scalability of cloud computing helped the Delhi University to grow effectively. As the DU expands, different Apps may increase their infrastructure and facilities without having to predict server needs or purchase additional storage capacity.

Benefits

Agility and Speed | Lower Total Cost of Ownership| Cost Savings | Scalability and Flexibility| Security | Monitoring | Control over infra

Project Overview

Setting up cloud environment to host their application called Samarth developed in house and only make it accessible from all over. Also Security and Scalability need to be achieved

Project Challenges

Delhi University needed a highly accessible, secure platform that is dependable and scalable due to the complexity of managing and deploying applications. The client wants to have the highest layer of security for this setup. Apart from security client also wants control over monitoring of resources used in cloud. To manage the massive volume of student data, the company battled with the scalability of its current infrastructure and data storage.

Services Provisioned

- Route 53
- WAF Firewall
- AWS Cloud watch
- Simple Storage Service (s3)
- AWS Backup
- AWS Lambda
- Kinesis Firehose
- Managed Blockchain
- Load Balancer
- Simple Queuing Service
- Simple Notification Service
- Secrets Manager
- Security Hub
- Guard Duty
- Key Management Service

Value Addition

- **Agility and Speed:** With AWS, you can provision new infrastructure in minutes, compared to waiting weeks or months to procure and deploy traditional infrastructure.
- **Lower Total Cost of Ownership:** You benefit from the economies of scale and efficiencies provided by AWS and pay only for the compute, storage, and other resources you use.
- **Cost Savings:** You can shut down your non-production environments when you are not using them and save costs.
- **Flexibility and Scalability:** There are number of services used in project which are scalable and flexible in pricing. Which includes Compute, Storage, Security, Monitoring, Network.

To know more, mail us at: marketing.mc@hitachi-systems.com | www.hitachi-systems.co.in

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