A graph with a diagram

Description automatically generated with medium confidence

**AWS Cost Analysis** Used AWS Pricing Calculator to estimate monthly costs for storage and processing. Higher DPUs in Glue increased speed but also cost. Resulted in a cost-effective balance between speed and budget.

A screenshot of a computer

Description automatically generated

**AWS Global Infrastructure** Utilized AWS regions and availability zones to deploy resilient services. Configured cross-region replication for S3 buckets to improve data availability and disaster recovery.

A screen shot of a computer

Description automatically generated

**AWS IAM** Created role-based IAM policies to restrict access to data and services. IAM Lab roles were used for Glue jobs, S3 bucket access, and KMS key permissions.

A screenshot of a computer

Description automatically generated

**AWS VPC** Configured a secure Virtual Private Cloud for isolation of resources. Included subnets, route tables, and internet gateways.

A screenshot of a computer

Description automatically generated

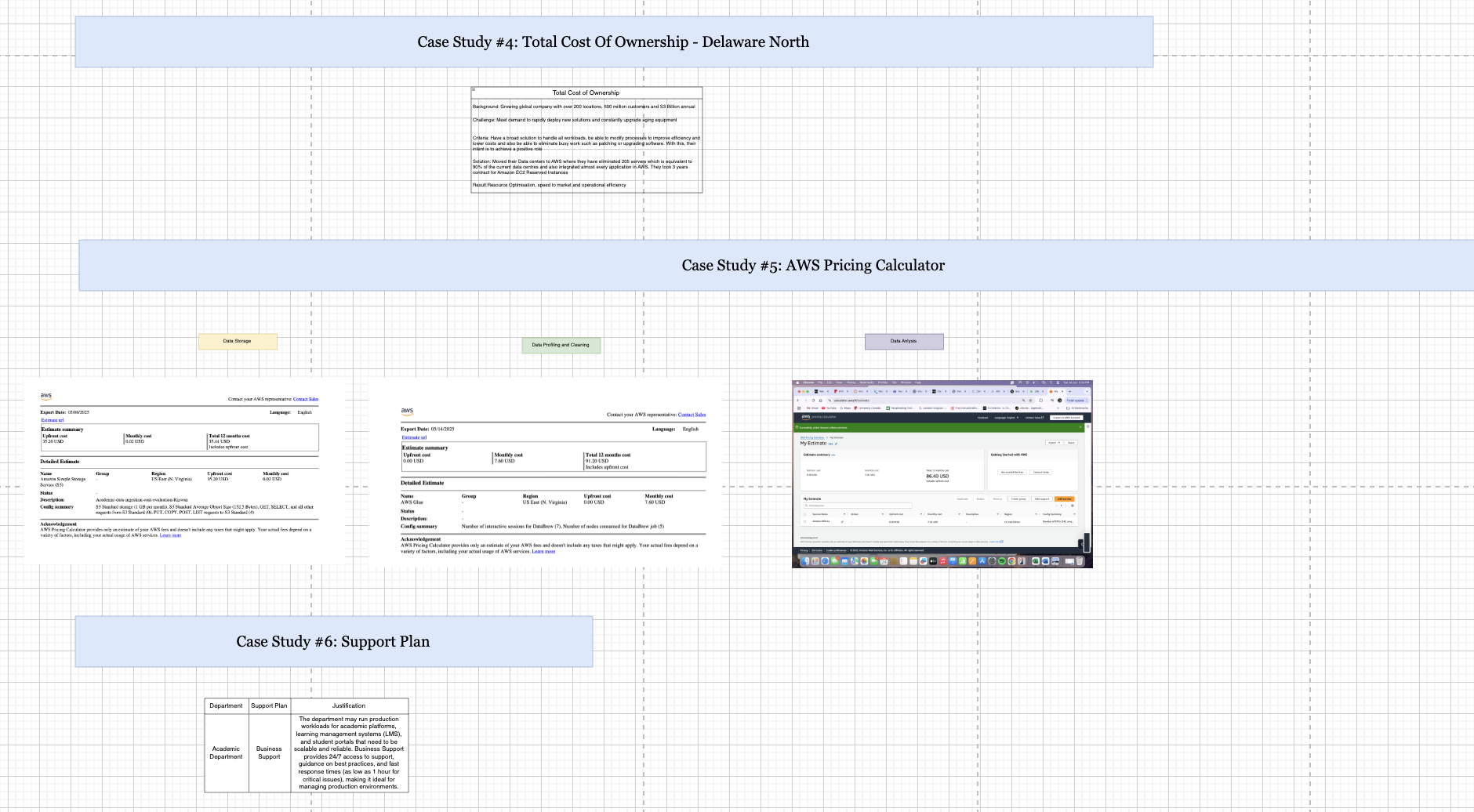
**AWS Lambda** Integrated Lambda for lightweight automation, including triggering notifications on job completions.

A close-up of a case study

Description automatically generated

**AWS EBS** Used Amazon EBS for block storage during EC2-based test workloads. Allowed persistent A screenshot of a computer

Description automatically generated



A screen shot of a device

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated