

## **Curriculum:**

### **The Basics of S3**

- S3 Basics
- Buckets and Objects

### **Security: Access Control**

- An Introduction to S Permissions
- Access Control Lists (ACL's)
- Access Control Lists (ACL's)
- Bucket & User Policies
- Bucket & User Policies (Part 1)
- Bucket & User Policies (Part 2)
- Cross Account Access Using ACL's
- Cross Account Access Using Bucket Policies
- Timed URL

### **Security: Logging and Monitoring**

- Monitoring S3 With CloudWatch
- Monitoring S3 With CloudWatch
- S3 Access Logging
- S3 Access Logging
- CloudTrail Logging
- CloudTrail & CloudWatch Metrics
- CloudTrail & CloudWatch Events

### **Security: Data Protection**

- S3 Encryption
- S3 Encryption
- Versioning
- Versioning
- Cross Region Replication
- Cross Region Replication

### **Lifecycle Management**

- Lifecycle Management
- Lifecycle Management
- Storage Class Analysis

### **Event Notifications**

- Event Notifications
- Event Notifications lab

## **Performance Optimisation**

- An Introduction To CloudFront
- Transfer Acceleration
- Transfer Acceleration
- Choosing An S3 Naming Scheme
- Optimising S3 PUTS, GETS & LISTS
- Multipart Upload
- Optimising GETS with CloudFront
- S3 Inventory

## **Website Hosting**

- Static Website Hosting
- Static Website Hosting
- Cross-Origin Resource Sharing (CORS)
- Cross-Origin Resource Sharing (CORS)

## **Practical Uses of S3**

CloudBerry Backup

Backing Up Data With CloudBerry Backup

Restoring Data With CloudBerry Backup