

## AWS SysOps Training

### **Domain 1: Monitoring and Reporting**

- 1.1 Create and maintain metrics and alarms utilizing AWS monitoring services
- 1.2 Recognize and differentiate performance and availability metrics
- 1.3 Perform the steps necessary to remediate based on performance and availability metrics

### **Domain 2: High Availability**

- 2.1 Implement scalability and elasticity based on use case
- 2.2 Recognize and differentiate highly available and resilient environments on AWS

### **Domain 3: Deployment and Provisioning**

- 3.1 Identify and execute steps required to provision cloud resources
- 3.2 Identify and remediate deployment issues

### **Domain 4: Storage and Data Management**

- 4.1 Create and manage data retention
- 4.2 Identify and implement data protection, encryption, and capacity planning needs

### **Domain 5: Security and Compliance**

- 5.1 Implement and manage security policies on AWS
- 5.2 Implement access controls when using AWS
- 5.3 Differentiate between the roles and responsibility within the shared responsibility model

### **Domain 6: Networking**

- 6.1 Apply AWS networking features
- 6.2 Implement connectivity services of AWS
- 6.3 Gather and interpret relevant information for network troubleshooting

### **Domain 7: Automation and Optimization**

- 7.1 Use AWS services and features to manage and assess resource utilization
- 7.2 Employ cost-optimization strategies for efficient resource utilization
- 7.3 Automate manual or repeatable process to minimize management overhead