

## ▼ Introduction



**Pre-Course Survey**



**Trends in Cloud Computing**



**Course Introduction Video**



**Student Guide**



**How to complete lab exercises**



**Course Support**



**General Discussion**

## ▼ Module 1 - Cloud Concepts Overview



**Introduction Video**



**Section 1 Video - Introduction to cloud computing**



**Section 2 Video - Advantages of the Cloud**



**Section 3 Video - Introduction to AWS**



## Section 4 Video - Moving to the AWS Cloud



## Wrap Up Video



## Student Guide



## Module 1 Knowledge Check

100 pts

### ▼ Module 2 - Cloud Economics and Billing



## Introduction Video



## Section 1 Video - Fundamentals of Pricing



## Section 2 Video - Total Cost of Ownership



## Section 2 Case Study



## Section 3 Video - AWS Organizations



## Section 4 Video - AWS Billing



## Console Demonstration - Billing Dashboard



## Section 5 Video - Technical Support Models



## Wrap Up Video

## Student Guide



## Module 2 Knowledge Check

100 pts

### ▼ Module 3 - AWS Global Infrastructure Overview



#### Introduction Video



#### Section 1 Video - AWS Global Infrastructure



#### Section 2 Video - AWS Services



#### Wrap Up Video



#### Student Guide



## Module 3 Knowledge Check

100 pts

### ▼ Module 4 - AWS Cloud Security



#### Introduction Video



#### Section 1 Video - AWS Shared Responsibility Model



#### Section 2 Video - AWS IAM



#### Console Demonstration - Identity and Access Management



### Section 3 Video - Securing a New AWS Account



### Section 4 Video - Securing Accounts



### Section 5 Video - Securing Data



### Section 6 Video - Working to Ensure Compliance



### Wrap Up Video



### Student Guide



### Lab - 1 Introduction to AWS IAM

100 pts



### Module 4 Knowledge Check

100 pts

## ▼ Module 5 - Networking and Content Delivery



### Introduction Video



### Section 1 Video - Networking Basics



### Section 2 Video - Amazon VPC



### Console Demonstration - VPC Wizard



### Section 3 Video - VPC Networking

### Section 4 Video - VPC Security



## Section 5 Video - Route 53



## Section 6 Video - CloudFront



## Wrap Up Video



## Student Guide



## Lab - 2 Build your VPC and Launch a Web Server

100 pts



## Module 5 Knowledge Check

100 pts

### ▼ Module 6 - Compute



## Introduction Video



## Section 1 Video - Compute Services Overview



## Section 2 Video - Amazon EC2 Part 1



## Section 3 Video - Amazon EC2 Part 2



## Section 4 Video - Amazon EC2 Part 3
















## Console Demonstration - EC2



## Lab - 3 Introduction to Amazon EC2

100 pts

	<b>Section 5 Video - Amazon EC2 Cost Optimization</b>
	<b>Section 6 Video - Container Services</b>
	<b>Section 7 Video - Introduction to AWS Lambda</b>
	<b>Activity - AWS Lambda</b> 100 pts
	<b>Section 8 Video - Introduction to AWS Elastic Beanstalk</b>
	<b>Activity - AWS Elastic Beanstalk</b> 100 pts
	<b>Wrap Up Video</b>
	<b>Student Guide</b>
	<b>Module 6 Knowledge Check</b> 100 pts

▼ <b>Module 7 - Storage</b>	
	<b>Introduction Video</b>
	<b>Section 1 Video - AWS EBS</b>
	<b>Console Demonstrations - EBS</b>
	<b>Lab - 4 Working with EBS</b> 100 pts
	<b>Section 2 Video - AWS S3</b>



**Console Demonstration S3**



**Section 3 Video - AWS EFS**



**Console Demonstrations - S3 and EFS**



**Section 4 Video - AWS S3 Glacier**



**Console Demonstrations - Glacier**



**Wrap Up Video**



**Student Guide**



**Module 7 Knowledge Check**

100 pts

## ▼ Module 8 - Databases



**Introduction Video**



**Section 1 Video - Amazon RDS**



**Console Demonstration - RDS**



**Lab - 5 Build a Database Server**

100 pts



**Section 2 Video - Amazon DynamoDB**



**Console Demonstration - DynamoDB**



**Section 3 Video - Amazon Redshift**



**Section 4 Video - Amazon Aurora**



**Wrap Up Video**



**Student Guide**



**Module 8 Knowledge Check**

100 pts

## ▼ **Module 9 - Cloud Architecture**



**Introduction Video**



**Section 1 Video - AWS Well-Architected Framework Design Principles**



**Section 2 Video - Operational Excellence**



**Section 3 Video - Security**



**Section 4 Video - Reliability**



**Section 5 Video - Performance Efficiency**



**Section 6 Video - Cost Optimization**

**Section 7 Video - Reliability**





## Section 8 Video - AWS Trusted Advisor



## Wrap Up Video



## Student Guide



## Module 9 Knowledge Check

100 pts

### ▼ Module 10 - Auto Scaling and Monitoring



## Introduction Video



## Section 1 Video - Elastic Load Balancing



## Section 2 Video - Amazon CloudWatch



## Section 3 Video - Amazon EC2 Auto Scaling



## Wrap Up Video



## Lab - 6 Scale & Load Balance your Architecture

100 pts



## Student Guide



## Module 10 Knowledge Check

100 pts

## ▼ Course Assessment

Complete All Items



### Course Assessment

100 pts    Score at least 70.0



## ▼ Sandbox



### Sandbox Environment

## ▼ Certification Resources



### Certification Resources



### Certification Discussion



### Practice Questions in AWS Skill Builder



### AWS Cloud Practitioner CLF-C02 exam alignment guide

## ▼ Feedback



### End of Course Feedback Survey

## ▼ Badges and Completion Certificates

Prerequisites: Course Assessment



Claim your badge [Badges EN]

#### ▼ AWS T&C Resources



**FAQ - Free access to AWS Skill Builder**



**Activate Your AWS Skill Builder Offer**