Amazon Web Services - EC2		
S.No	**Course Outline**	**Duration in Hours**
1	**Selecting and Configuring Amazon EC2 Instances**	**4**
1.1	Introduction	
1.2	Choosing the right AWS EC2 instance types	
1.3	Preparing AWS CLI tools	
1.4	Launching EC2 instances using EC2-Classic and EC2-VPC	
1.5	Allocating Elastic IP addresses	
1.6	Creating an instance with multiple NIC cards and a static private IP address	
1.7	Selecting the right storage for your EC2 instance	
1.8	Creating tags for consistency	
1.9	Configuring security groups	
1.10	Creating an EC2 key pair	
1.11	Grouping EC2 instances using placement groups	
1.12	Configuring Elastic Load Balancing	
1.13	Architecting for high availability	
1.14	Creating instances for AWS Marketplace	
2	**Configuring and Securing a Virtual Private Cloud**	**2**
2.1	Introduction	
2.2	Creating and configuring VPC	
2.3	Configuring VPC DHCP options	
2.4	Configuring networking connections between two VPCs (VPC peering)	
2.5	Connecting on-premise network to VPC using VPN	
3	**Managing AWS Resources Using AWS CloudFormation**	**4**
3.1	Introduction	
3.2	Creating CloudFormation templates	
3.3	Creating CloudFormation templates from existing AWS resources	
3.4	Deploying applications on EC2 instances	
3.5	Updating a stack	
4	**Securing Access to Amazon EC2 Instances**	**3**
4.1	Introduction	
4.2	Creating IAM users	
4.3	Creating IAM groups and assigning group-level permissions	
4.4	Creating IAM roles	
4.5	Connecting on-premise AD to AWS IAM	
4.6	Configuring AWS multifactor authentication	

5	**Monitoring Amazon EC2 Instances**	**3**
5.1	Introduction	
5.2	Collecting EC2 metrics using AWS CloudWatch	
5.3	Collecting custom metrics from EC2 instances	
5.4	Monitoring costs using CloudWatch	
5.5	Sending an e-mail based on a CloudWatch alarm	
5.6	Using CloudWatch Logs	