



AWS Labs



Explore

Thought
Leaders

Lab # 01	Introduction to Amazon Elastic Compute Cloud (EC2)
This lab walks you through the steps to launch and configure a virtual machine in the Amazon cloud. You will practice using Amazon Machine Images to launch Amazon EC2 Instances and use key pairs for SSH authentication to log into to your instance.	
Lab # 02	Introduction to Amazon Elastic Block Store (EBS)
This lab takes you through how to create an Amazon Elastic Block Store (EBS) volume, attach it to an Amazon EC2 instance, take a snapshot of the volume, and increase the size and IOPS.	
Lab # 03	Introduction to Amazon Machine Image (Auto Script)
This lab will walk you through how to Create an Amazon Machine Image (Auto Script).	
Lab # 04	Introduction to Amazon Relational Database Service (RDS) (Windows)
This lab takes you through the steps of creating a MySQL database using the Amazon Relational Database Service using the AWS Management Console, and then connecting to the database in AWS using a SQL client running on a Microsoft Windows server, also provided in the lab environment	
Lab # 05	Introduction to Amazon Simple Storage Service (S3)
This lab demonstrates how to use an Amazon S3 bucket and manage files, or object, that are stored in the bucket. You will practice how to create a bucket, add an object, view an object, move an object, and delete an object and bucket in the AWS Management Console	
Lab # 06	Over View Introduction to AWS Elastic Beanstalk
This lab will teach you about AWS Elastic Beanstalk and lead you through the steps to launch an application using the AWS Management Console	
Lab # 07	Introduction to Elastic Load Balancing
This lab takes you through how to automatically distribute incoming web traffic across multiple Amazon EC2 instances by using Elastic Load Balancing. We walk you through the process to create a basic load balancer, configure health checks, assign security groups, and review settings for your load balancer.	
Lab # 08	Introduction to AWS Cloud Watch & SNS
This lab teaches you about AWS Cloud Watch & SNS and walks you through how to create Cloud Watch on Amazon Web Services .	
Lab # 09	Introduction to Amazon Virtual Private Cloud (VPC)
Introduction to Amazon Virtual Private Cloud (VPC) This lab teaches you about Amazon Virtual Private Cloud (VPC) and walks you through how to create a VPC, set up routing tables, launch an instance into your VPC and delete your VPC	
Lab # 10	Introduction to Amazon CloudFront
This lab introduces you to AWS CloudFront, a content delivery web service. In this lab	

you will create an Amazon CloudFront distribution that will use a CloudFront domain name in the url to distribute a publicly accessible image file stored in an Amazon S3 bucket

Lab # 11	Introduction to Web Site Hosting in IIS
----------	---

This lab will give you the Multiple Website host in IIS. You will create multiple Website in windows Server with IIS.

Lab # 12	Introduction to AWS Identity and Access Management (IAM)
----------	--

This lab shows you how to manage access and permissions to your AWS services using AWS Identity and Access Management (IAM). Practice the steps to add users to groups, manage passwords, log in with IAM-created users, and see the effects of IAM policies on access to specific services.

Lab # 13	Introduction to Amazon Cloud Trail
----------	------------------------------------

This lab introduces you to AWS Cloud Trail. In this lab, you will create an AWS Cloud trail to get a history of AWS API calls and related Changes in your AWS account

Lab # 14	Introduction to AWS SQS (Simple Queue Service)
----------	--

This lab introduces you to AWS SQS (Simple Queue Service). In this lab you will create an AWS SQS for storing messages.

Lab # 15	Introduction to Amazon Relational Database Service (RDS) (Linux)
----------	--

This lab takes you through the steps of creating a MySQL database using the Amazon Relational Database Service using the AWS Management Console, and then connecting to the database in AWS using the MySQL client running on an Amazon Linux instance, which the student also creates during the lab.

Lab # 16	Introduction to AWS Calculator & Consolidated Billing
----------	---

This lab will give you the basic understanding of AWS Calculator & Consolidated Billing. In this lab you will create Estimate your costs by AWS Simple Monthly Calculator.

Lab # 17	Introduction to Amazon Virtual Private Cloud (VPC) with Windows Server
----------	--

Introduction to Amazon Virtual Private Cloud (VPC) This lab teaches you about Amazon Virtual Private Cloud (VPC) and walks you through how to create a VPC, set up routing tables, launch a Windows Server instance into your VPC and delete your VPC.

Lab # 18	Building Your First Amazon Virtual Private Cloud (VPC)
----------	--

This lab demonstrates how to build an Amazon Virtual Private Cloud (VPC) which contains private and public subnets, routing tables, and a NAT server to allow private subnets to access the Internet.

Lab # 19	Introduction to Amazon EC2 Auto Scaling
----------	---

This lab provides the basic hands-on experience of Amazon EC2 Auto Scaling -- setting

up Auto Scaling to automatically launch compute instances in response to conditions that you specify. You will use Auto Scaling via the AWS console to create the basic infrastructure of a Launch Configuration and an Auto Scaling group. You will test the configuration by terminating a running instance and viewing the results as Auto Scaling responds by scaling up and starting another instance.

Lab # 20	Introduction to Amazon Elastic Compute Cloud (EC2) with Windows Server
----------	--

This lab walks you through the steps to launch and configure a virtual machine in the Amazon cloud. You will practice using Amazon Machine Images to launch an Amazon EC2 Instance with Windows Server 2012 R2, and then use a key pair for RDP authentication to log into to your instance.

