Amazon Web Services Certification Training

IntelliPaat

About Intellipaat

Intellipaat is a fast growing professional training provider that is offering training in over 150 most sought-after tools and technologies. We have a learner base of 700,000 in over 32 countries and growing. For job assistance and placement we have direct tie-ups with 80+ MNCs.

Key Features of IntellipaatTraining :

24X7 Life Time Support and Assistance	Real Time Projects	Life Time Access and Free Upgrade	Job Assistance	Industry Recognised Certification

About the Course

This Intellipaat training course in AWS will provide you with the right knowledge of AWS cloud for clearing AWS certification exam. You will get real time hands-on experience in working with cloud computing, Amazon Web Services, various components of cloud like Software as a Service, Platform as a Service, Infrastructure as a Service and private cloud programming. You will learn to design, plan and scale AWS infrastructure using the best practices.

Instructor Led
Duration – 33Hrs
Weekend Batch – 3 Hrs/Session
Weekday Batch – 2Hrs/Session

Self Paced
Duration – 26Hrs

Why Take This Course ?

Today cloud computing is no longer optional but critical to the success of some of the biggest enterprises on earth. Hence getting this AWS Training and Certification means you can open the doors to virtually unlimited job opportunities with highly competitive pay scales.

- ❖ AWS has over 1 million customers from 190 countries – Amazon.com
- ❖ AWS is as big as its next four competitors combined – businessinsider.com
- ❖ AWS Certified Solutions Architect can earn $125,000 – indeed.com

50% Jump in Salary

Course Contents

Introduction to Cloud Computing and Amazon Elastic Compute Cloud (EC2)	Hands on Exercises
- Introduction to Cloud Computing - Cloud Computing models - AWS offerings Listing (EC2, VPC, AMI, EBS, ELB, Backup) - Familiarizing with the AWS Architecture - AWS Management Console. - Overview of EC2 - Elastic IP vs Public IP - Launching of AWS EC2 instance demo - Amazon Machine Images (AMI) - Auto Scaling - Cost of EC2 - Best Practices of EC2 - Amazon backup services and various concepts - EC2 Demo	- Setting up of AWS account - Launch an EC2 instance - Launch a Linux Virtual Machine on EC2 - Hosting a website with an EC2 instance
Amazon Virtual Public Cloud	**Hands on Exercises**
- Simple Storage Service (S3) - Elastic Block Storage (EBS) and Persistent Storage - Amazon Glacier Storage - Amazon Storage Gateway - Amazon Snowball (Data Import/Export) - AWS Command Line Interface (CLI) - Billing with Amazon CloudWatch	- Design a custom VPC with Public subnet. - Check Route tables in VPC. - Create security group and ACL.
Amazon Storage Services – 1	**Hands on Exercises**
- Elastic Block Storage (EBS) and Persistent Storage - AWS Command Line Interface (CLI)	- Running AWS CLI commands - Storage Gateway - Connecting on-premise software with cloud-based storage
Amazon Storage Services - 2	**Hands on Exercises**
Simple Storage Service (S3)	- Create an Amazon S3 bucket - Hosting a static website on Amazon S3
Amazon Storage Services - 3	**Hands on Exercises**
- Amazon Glacier Storage - Amazon Storage Gateway - Amazon Snowball (Data Import/Export) - Billing with Amazon CloudWatch	- CloudWatch: Managing and Monitoring the AWS resources - CloudWatch: Configuring alerts and notifications - CloudWatch: Billing.
AWS Database Services - 1	**Hands on Exercises**
- Relation Database: Amazon RDS - Amazon Aurora - NoSQL Database: Amazon DynamoDB	- Create RDS DB instance - Create a Read Replica of above instance of RDS - Create Table in master RDS

	❖ Add Data to master RDS ❖ Add Data to replica RDS ❖ Create instance of MySql or Postgresql in Aurora ❖ Create NoSQL table in DynamoDB and run queries
AWS Database Services - 2 ❖ Data Warehouse: Amazon Redshift ❖ In-memory Cache: Amazon ElastiCache ❖ Database Migration: AWS Database Migration Service	**Hands on Exercises** ❖ Create RDS DB instance ❖ Create a Read Replica of above instance of RDS ❖ Create Table in master RDS ❖ Add Data to master RDS ❖ Add Data to replica RDS ❖ Create instance ofMySql or Postgresql in Aurora ❖ Create NoSQL table in DynamoDB and run queries
AWS Identity and Access Management (IAM) - Control user access ❖ Authentication (Who can use) and Authorization (Level of access) ❖ IAM Policies - JSON structure ❖ Users ❖ Groups and Their Roles ❖ IAM HTTPS API ❖ Logging IAM Events with AWS CloudTrail	**Hands on Exercises** ❖ Create JSON document to define access policy for users and groups ❖ Use AWS CloudTrail tool to log IAM events.
Load Balancing and AutoScaling ❖ What is a Fault Tolerant System(0.5) ❖ Features of Elastic Load Balancing (ELB) ❖ Two Types of Load Balancer: Classic and Application ❖ How Auto Scaling works in AWS (1.5) ❖ Accessing Elastic Load Balancing: AWS Management Console ❖ AWS CLI ❖ AWS SDKs ❖ HTTPS Query API	**Hands on Exercises** ❖ Create an ELB ❖ Configure an Auto Scaling Group ❖ Make yourself familiar with Management Console
Amazon Route 53 ❖ What Is Amazon Route 53 ❖ Domain Name Registration ❖ Routing Internet Traffic to Resources ❖ Automated check of the health of Resources	**Hands on Exercises** ❖ Register a domain name ❖ Configure the routing of internet traffic ❖ Check the health of the resources using automation facility
Amazon Application Services ❖ Elastic Beanstalk ❖ Simple Email Services (SES) ❖ Simple Notification Service (SNS) ❖ AWS Lambda ❖ Elastic OpsWorks	**Hands on Exercises** ❖ Run an app using Beanstalk ❖ Send an email using SES ❖ Enable notification service and generate notification ❖ Copy object using Lambda

	❖ Model and provision your app using OpsWorks

AWS Projects

Project 1

Objective – Hands-on workshop, real-time case study on AWS, its concepts and operations.

Project 2

Domain – Cloud Computing

Objective – To deploy a website which would render a static webpage using AWS Simple Storage Service (S3) and Amazon Route 53

Project 3

Domain – Cloud Computing

Objective – To migrate an existing Git repository or unversioned local content to AWS CodeCommit, a fully-managed source control service that makes it easy for companies to host secure and highly scalable private Git repositories

Project 4

Domain – Cloud Computing

Objective – To deploy and host Jenkins, an open-source automation software predominantly used for CI/CD (Continuous Integration/Continuous Deployment). Amazon Elastic Compute Cloud (EC2) in a public subnet would be used within your own Amazon Virtual Private Cloud (VPC) and you will also set up an Amazon Elastic Block Store (EBS) volume

What makes us who we are

"I wanted to explore new technologies and hence AWS was my natural choice. This course took my career to the next stage, I am able to work on AWS quiet confidently"

Someshwar

VIEW SUCCESS STORY   **READ ALL REVIEWS**