

# AWS CERTIFICATION TRAINING COURSE



## About IntelliPaat

Intellipaate is a global online professional training provider. We are offering some of the most updated, industry-designed certification training programs in the domains of Big Data, Data Science & AI, Business Intelligence, Cloud, Blockchain, Database, Programming, Testing, SAP and 150 more technologies.

We help professionals make the right career decisions, choose the trainers with over a decade of industry experience, provide extensive hands-on projects, rigorously evaluate learner progress and offer industry-recognized certifications. We also assist corporate clients to upskill their workforce and keep them in sync with the changing technology and digital landscape.

## About The Course

Intellipaate is offering the comprehensive AWS certification training created by industry experts. The entire AWS training course is in line with the AWS Certified Solutions Architect exam. You will learn various aspects of AWS like Elastic Cloud Compute, Simple Storage Service, Virtual Private Cloud, Aurora database service, Load Balancing, Auto Scaling and more by working on hands-on projects and case studies. You will implement AWS best practices in this training.

 <b>Instructor Led Training</b> 33 Hrs of highly interactive instructor led training	 <b>Self-Paced Training</b> 26 Hrs of Self-Paced sessions with Lifetime access	 <b>Exercise and project work</b> 32 Hrs of real-time projects after every module	 <b>Lifetime Access</b> Lifetime access and free upgrade to latest version
 <b>24x7 Support</b> Lifetime 24*7 technical support and query resolution	 <b>Get Certified</b> Get global industry recognized certifications	 <b>Job Assistance</b> Job assistance through 80+ corporate tie-ups	 <b>Flexi Scheduling</b> Attend multiple batches for lifetime & stay updated.

## Why take this Course?

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

Today, cloud computing is no longer optional but critical to the success of some of the biggest enterprises on earth. Hence, getting the AWS training and certification means that you can open the doors to virtually unlimited job opportunities that are offering highly competitive salaries. The IntelliPaat AWS course is completely oriented towards the practical applications, and hence it gives you a clear advantage.

## Course Content

### Instructor Led

1. [Introduction to Cloud Computing & AWS](#)
2. [Database services](#)
3. [Object storage](#)
4. [Autoscaling and Load Balancing](#)
5. [Virtual Private Cloud](#)
6. [Application services, AWS Lambda and CLI](#)
7. [IAM and monitoring](#)
8. [Configuration management and automation](#)

### Self-Paced Courses

1. [Architecting AWS – whitepaper](#)
2. [AWS Architect Questions](#)
3. [DevOps on AWS](#)
4. [AWS Migration](#)
5. [AWS security](#)

# Introduction to Cloud Computing & AWS

- ❖ What is Cloud Computing and how AWS is the leader in the cloud domain
- ❖ Various cloud computing products offered by AWS
- ❖ Introduction to AWS S3, EC2, VPC, EBS, ELB, AMI
- ❖ Getting a detailed understanding of the AWS architecture and the AWS Management Console
- ❖ Introduction to AWS EC2
- ❖ Comparing Public IP and Elastic IP
- ❖ Demonstrating how to launch an AWS EC2 instance
- ❖ What is auto scaling
- ❖ AWS EC2 best practices and cost involved
- ❖ Understanding various concepts of backup services in AWS.

## Database Services

- ❖ Elastic Block Storage (EBS) for block level persistent storage volumes with S3 buckets
- ❖ Understanding Amazon RDS and Amazon Aurora which are relational databases
- ❖ Amazon DynamoDB which is a NoSQL database
- ❖ Understanding Amazon Redshift which is a data warehousing product
- ❖ Amazon ElasticCache which is an in-memory data store
- ❖ Deploying AWS database migration service..

## Object Storage

- ❖ Introduction to AWS storage
- ❖ AWS S3 (Simple Storage Service)
- ❖ Creating an AWS S3 bucket

- ❖ AWS Storage Gateway
- ❖ Understanding the Command Line Interface (CLI)
- ❖ Hosting a static website using Amazon S3
- ❖ Amazon Glacier storage for long-term data backup and archiving and Amazon Snowball for data import/export.

## Autoscaling and Load Balancing

- ❖ Understanding Fault Tolerance in AWS
- ❖ In-depth study of Elastic Load Balancing, the types of Load Balancers viz. Classic and Application
- ❖ AWS Auto Scaling mechanism
- ❖ Understanding AWS Management Console
- ❖ How to access the Elastic Load Balancing
- ❖ Studying AWS SDK, AWS CLI and Https Query API.

## Virtual Private Cloud

- ❖ What is Amazon VPC
- ❖ VPC as a networking layer for EC2
- ❖ Getting started with VPC, examples
- ❖ VPC and Subnets
- ❖ Default and non-default VPCs
- ❖ Components of VPC networking
- ❖ IP addressing, security
- ❖ VPN connections, accessing the internet
- ❖ Using AWS PrivateLink to access the services and VPC supported platforms.

## Application services, AWS Lambda and CLI

- ❖ Introduction to various AWS application services
- ❖ Elastic Beanstalk
- ❖ Simple Email Services (SES)
- ❖ Simple Notification Service (SNS)
- ❖ AWS Lambda
- ❖ Elastic OpsWorks and CLI.

## IAM and Monitoring

- ❖ 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
- ❖ Monitoring and managing AWS resources using CloudWatch
- ❖ Deploying configuration alerts and notifications with CloudWatch, billing for CloudWatch.

## Configuration Management and Automation

- ❖ Configuration management and automation of server configuration using OpsWorks
- ❖ Determining how servers are configured, managed and deployed across EC2 instances
- ❖ Creating a virtual machine using Amazon Machine Image (AMI)
- ❖ Introduction to the Domain Name Registration service AWS Route 53
- ❖ How to route internet traffic to resources
- ❖ Checking health of resources automatically
- ❖ Provisioning of infrastructure resources using AWS CloudFormation.

Following topics are available only in self-paced mode

## Architecting AWS - whitepaper

- ❖ Important guidelines for creating a well architected AWS framework that is resilient and performant
- ❖ Designing of fault-tolerant and high-availability architecture
- ❖ Resilient storage
- ❖ Decoupling mechanism
- ❖ Multi-tier architecture solution
- ❖ Disaster recovery solution
- ❖ Scalable and elastic solutions.

## AWS Architect Questions

- ❖ AWS certification exam dumps
- ❖ Guidance for clearing the exam
- ❖ Most probable interview questions and other helpful tips for clearing the exam and interview.

## DevOps on AWS

- ❖ How to deploy DevOps principles and methodology on the AWS platform
- ❖ DevOps lifecycle and the important stages in the DevOps methodology
- ❖ What is AWS CodeBuild, AWS CodeCommit, AWS CodePipeline and AWS CodeDeploy.

## AWS Migration

- ❖ Migrating to the AWS cloud
- ❖ Business drivers for migration
- ❖ Various stages of cloud adoption
- ❖ The actual migration process

- ❖ Migration tools and services in AWS
- ❖ Migrating customers to AWS cloud
- ❖ Track the progress of application migration
- ❖ Types of migration including data migration, application migration and databases migration.

## AWS Security

- ❖ AWS cloud security essentials
- ❖ Penetration testing, Security compliance
- ❖ Infrastructure security
- ❖ Mitigating DDOS
- ❖ Identity and Access Control (IAM)
- ❖ Logging and monitoring
- ❖ Automatic audits and compliance
- ❖ Limitations and challenges of native AWS security.



## Project Works

**Project 1 :** Deploying a Multi-tier website using AWS EC2

**Industry :** Internet

**Problem Statement :** How to scale a website fast using AWS without the upfront cost

**Topics :** In this AWS project you will launch an EC2 instance without the need to invest in hardware up front, so you can develop and deploy applications faster. You can use Amazon EC2 to launch as many or as few virtual servers as you need, configure security and networking, and manage storage. Amazon EC2 enables you to scale up or down to handle changes in requirements or spikes in popularity, reducing your need to forecast traffic.

**Highlights :**

- ✓ Launch an EC2 Instance
- ✓ Enable Auto Scaling of EC2
- ✓ Create an RDS Instance
- ✓ Allow traffic from EC2 to RDS Instance

**Project 2 :** Website Orchestration

**Industry :** Internet

**Problem Statement :** How to orchestrate a website with lesser time and higher availability along with autoscaling.

**Topics :** In this AWS project you will deploy a high-availability PHP application with an external Amazon RDS database to Elastic Beanstalk. Running a DB instance external to Elastic Beanstalk decouples the database from the lifecycle of your environment. This lets you connect to the same database from multiple environments, swap one database for another, or perform a blue/green deployment without affecting your database

**Highlights :**

- ✓ Launch a DB instance in Amazon RDS
- ✓ Create an Elastic Beanstalk Environment
- ✓ Configure Security Groups and Scaling

**Project 3 :-** Publishing Amazon SNS messages privately

**Industry –** Healthcare

**Problem Statement :** How to secure patient records online and send it privately to the intended party

**Topics :** In this project you will be working on a hospital project to send reports online and develop a platform so the patients can access the reports via mobile and push notifications. You will publish the report to an Amazon SNS which keeping it secure and private. Your message will be hosted on an EC2 instance within your Amazon VPC. By publishing the messages privately, you can improve the message delivery and receipt through Amazon SNS.

**Highlights :**

- ✓ AWS CloudFormation to create a VPC
- ✓ Connect VPC with AWS SNS
- ✓ Publish message privately with SNS

# Job Assistance Program

Intellipaat is offering job assistance to all the learners who have completed the training. You should get a minimum of 60% marks in the qualifying exam to avail job assistance. Intellipaat has exclusive tie-ups with over 80 MNCs for placements.



Successfully finish the training

Get your resume updated

Start receiving interview calls

## Intellipaat Alumni Working in Top Companies



**Vignesh Guntu** 

**AWS Architect at Mindfire Solutions**

The video quality of the Intellipaat AWS training were of top-notch quality and came with extensive backing of experienced AWS trainers, and they offered wonderful support to resolve any queries at any time. I would recommend the Intellipaat AWS course to anybody looking to upgrade their career.



**Hari Prasad** 

**Software Engineer at Accenture**

Intellipaat support that came with the AWS training was really worth mentioning. I was awed when my every query got resolved in less than 24 hours. Hats off to Intellipaat AWS course.



**Ramya Kanagasabapathy** 

**AWS Developer at Accenture**

The trainers offered quality AWS training that was the most in-depth and comprehensive. I am especially glad to note that they came with extensive experience, knowledge and had the patience to make each one of us grasp even the tough concepts. The Intellipaat AWS certification training was completely in line with AWS exam.

[More Customer Reviews](#)

## Our Clients



**+80 Corporates**

## Frequently Asked Questions

### **Q 1. What is the criterion for availing the IntelliPaat job assistance program?**

Ans. All IntelliPaat learners who have successfully completed the training post April 2017 are directly eligible for the IntelliPaat job assistance program.

### **Q 2. Which are the companies that I can get placed in?**

Ans. We have exclusive tie-ups with MNCs like Ericsson, Cisco, Cognizant, Sony, Mu Sigma, Saint-Gobain, Standard Chartered, TCS, Genpact, Hexaware, and more. So you have the opportunity to get placed in these top global companies.

### **Q 3. Do I need to have prior industry experience for getting an interview call?**

Ans. There is no need to have any prior industry experience for getting an interview call. In fact, the successful completion of the IntelliPaat certification training is equivalent to six months of industry experience. This is definitely an added advantage when you are attending an interview.

### **Q 4. If I don't get a job in the first attempt, can I get another chance?**

Ans. Definitely, yes. Your resume will be in our database and we will circulate it to our MNC partners until you get a job. So there is no upper limit to the number of job interviews you can attend.

### **Q 5. Does IntelliPaat guarantee a job through its job assistance program?**

Ans. IntelliPaat does not guarantee any job through the job assistance program. However, we will definitely offer you full assistance by circulating your resume among our affiliate partners.