



AWS Certification Architect

Master's Course

In Collaboration with **IBM**

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About the Program

Intellipaate's AWS master's training course will help you master various aspects of AWS, including SysOps, AWS Developer precepts, AWS Solutions Architect, and AWS Cloud Migration. Additionally, the course covers Linux OS and DevOps from scratch to further enhance your understanding. In this master's program, we will cover 9 different courses and 50 hands-on assignments and projects to make sure that you gain apt expertise to work in these fields in real time.

IBM

Collaborating with IBM

IBM is one of the leading innovators and the biggest player in creating innovative tools. Top subject matter experts from IBM will share knowledge in the domain of Cloud Computing through this training program, which will help you gain the breadth of knowledge and industry experience.

Benefits for students from IBM

- Industry-recognized IBM certificate
- Access to IBM Watson for hands-on training and practice
- Industry in-line case studies and project work

About Intellipa

Intellipa is one of the leading e-learning training providers with more than 600,000 learners across 55+ countries. We are on a mission to democratize education as we believe that everyone has the right to quality education.

Our courses are delivered by subject matter experts from top MNCs, and our world-class pedagogy enables learners to quickly learn difficult topics in no time. Our 24/7 technical support and career services will help them jump-start their careers in their dream companies.

Key Features



251 HRS OF INSTRUCTOR-LED TRAINING



204 HRS OF SELF-PACED TRAINING



282 HRS OF REAL-TIME PROJECT WORK



LIFETIME ACCESS



24/7 TECHNICAL SUPPORT



INDUSTRY-RECOGNIZED CERTIFICATION



JOB ASSISTANCE THROUGH 80+ CORPORATE TIE-UPS



FLEXIBLE SCHEDULING

Career Support



SESSIONS WITH INDUSTRY MENTORS

Attend sessions from top industry experts and get guidance on how to boost your career growth



MOCK INTERVIEWS

Mock interviews to make you prepare for cracking interviews by top employers



GUARANTEED INTERVIEWS & JOB SUPPORT

Get interviewed by our 400+ hiring partners



RESUME PREPARATION

Get assistance in creating a world-class resume from our career services team



Why take up this course?

- Demand for AWS Specialists is at an all-time high, and more than 80% of all companies would adopt DevOps by 2020 – Gartner
- The average salary of an AWS Specialist is US\$135,000 per year – Indeed
- AWS has ventured into almost every vertical in the marketplace and will continue to dominate in the years to come – Business Insider

Hence, this AWS master's training will help you master the most sought-after professional skills. Keeping in mind the fact that all top MNCs are trying to implement AWS solutions, you can really go places with proper certification.

Who should take up this training?

This training can be taken up by individuals ranging from students to IT professionals who are keen to revamp their existing skills and build a career by architecting, implementing, and deploying all types of AWS solutions across various platforms. Prospect trainees include Solution Architects and AWS Consultants, among others.

Courses offered

INSTRUCTOR-LED TRAINING COURSES

1. AWS Solutions Architect Training
2. AWS Cloud Migration Training
3. AWS SysOps Training
4. AWS DevOps Training
5. AWS Developer Training
6. DevOps Training

SELF-PACED LEARNING COURSES

1. AZ-900
2. Linux
3. SQL

Course Advisors



Suresh Paritala

Solutions Architect at Microsoft, Texas

A Senior Software Architect at Microsoft, Texas, who has previously worked with IBM Corporation, Suresh Paritala has worked on Big Data, Data Science, Advanced Analytics, Internet of Things, and Azure, along with AI domains like Machine Learning and Deep Learning. He has successfully implemented high-impact projects in major corporations around the world.



David Callaghan

Big Data Strategist and Solutions Architect, Perficient, USA

An experienced Blockchain professional, who has been bringing integrated Blockchain, particularly Hyperledger and Ethereum, and Big Data solutions to the cloud, David Callaghan has previously worked on Hadoop, AWS Cloud, Big Data, and Pentaho projects that have had a major impact on the revenues of marquee brands around the world.



Samanth Reddy

Data Scientist at ASCAP

A renowned Data Scientist who has worked with Google and is currently working at ASCAP, Samanth Reddy has a proven ability to develop Data Science strategies that have a high impact on the revenues of various organizations. He comes with strong Data Science expertise and has created decisive Data Science strategies for Fortune 500 corporations.

Program Curriculum

AWS Solutions

Learning Objective

Intellipaate is offering a comprehensive AWS certification training course created by industry experts. This AWS training will prepare you for the AWS Certified Solutions Architect exam. You will learn skills such as AWS 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 learn the best practices to be followed while working on AWS projects in the industry.

Topics:

- Introduction to Cloud Computing and AWS
- Elastic Compute and Storage Volumes
- Load Balancing, Autoscaling, and DNS
- Virtual Private Cloud
- Storage - Simple Storage Service (S3)
- Databases and In-memory Data Stores
- Management and Application Services
- Access Management and Monitoring Services
- Automation and Configuration Management
- Amazon FSx and Global Accelerator

Self-paced

- Architecting AWS – Whitepaper
- DevOps on AWS
- AWS Migration

- AWS Architect Interview Questions

AWS Developer

Learning Objective

Intellipaate is providing a comprehensive AWS Developer course, specially designed for beginners in AWS. It is aligned to pass the new AWS Certified Developer – Associate (CDA) 2019 Exam. This course will help you become proficient with AWS concepts, Python, PHP coding to work in the AWS environment, etc. and to get proficient in the cloud. The training participants will be engaged with a plethora of real-time projects and demonstrations on each topic, such as high availability, data redundancy, load balancing, the management and operation of cloud services, etc. As a part of this course, you will get an opportunity to work on one implementation project at the end of the training.

Topics:

- Introduction to Cloud
- Best Practices in Cloud Platform
- Computing
- Networking
- Storage and Data Management in AWS
- Autoscaling and Load Balancing
- Security
- Development with AWS Services
- Monitoring and Troubleshooting
- CI/CD and Containerization in AWS
- AWS Whitepapers

AWS SysOps

Learning Objective

Intellipaate's AWS SysOps certification training is curated by industry experts to assist system engineers and IT administrators to get expertise in deploying, operating, and managing fault-tolerant systems on the AWS cloud platform. This course is aligned with clearing the AWS SysOps Associate exam in a single attempt.

Topics:

- Introduction to AWS SysOps
- Computing
- Networking
- Storage and Data Management in AWS
- Deployment and Provisioning
- Security and Compliance
- Monitoring and Reporting
- Configuration Management and Resource Consumption
- AWS Whitepapers

AWS Cloud Migration

Learning Objective

This AWS Cloud Migration certification training will allow you to master the best practices and strategies of AWS Cloud Migration. You will basically learn most of the migration processes through real-time hands-on exercises. This online training course is a complete package of theory and practical sessions where you can apply your learnings in real-time exercises immediately. You will be trained on AWS Cloud Migration fundamentals, migrating web applications, databases, monolithic applications, AWS Compute and

Storage, CloudWatch, auto-scaling, load balancing, AWS S3 demo, and AWS EC2 instances. You will also analyze the functional capabilities of all the applications post-migration.

Topics:

- AWS Services
- Migrating Strategy
- Migration of Databases
- Migration of Applications
- Migration of Monolithic Applications

DEVOPS

Learning Objective

Intellipaat's DevOps online training will help you gain the required skill set for getting a DevOps Engineer job. It will make you proficient in DevOps skills such as continuous integration, delivery, and deployment, Infrastructure-as-Code, and more using DevOps tools such as Git, SVN, Docker, Docker Swarm, Kubernetes, Puppet, Ansible, Selenium, Maven, Nagios, etc.

Topics:

- Infrastructure Setup
- Introduction to DevOps
- Continuous Testing
- Continuous Integration Using Jenkins
- Software Version Control
- Continuous Deployment: Containerization with Docker
- Containerization with Docker: Ecosystem and Networking
- Configuration Management Using Puppet

- Configuration Management Using Ansible
- Continuous Orchestration Using Kubernetes
- Continuous Monitoring Using Nagios
- Terraform Modules and Workspaces

AWS DevOps

Learning Objective

Intellipaate's AWS Certified DevOps Engineer certification training is curated by industrial experts to help you develop your skills both in AWS and DevOps. The training will make you an expert in various in-demand skills, including Infrastructure-as-Code, CI/CD pipeline, immutable infrastructure, deployment strategies, containers, etc., and you will learn how to implement these principles on the AWS platform using services such as Code Suite, CloudFormation, Elastic Beanstalk, Elastic Container Service, etc. Also, several case studies and hands-on projects are included in the training to ensure that each learner is able to master all that is required in AWS and DevOps.

Topics:

- Introduction to Cloud Computing and AWS
- Database Services
- Object Storage
- Autoscaling and Load Balancing
- Virtual Private Cloud
- Application Services, AWS Lambda, and CLI
- IAM and Monitoring
- Configuration Management and Automation
- Architecting AWS – Whitepaper
- AWS Architect Questions

- AWS Migration
- AWS Security
- Infrastructure Setup
- Introduction to DevOps
- Software Version Control
- Containerization Using Docker - Part I
- Containerization Using Docker - Part II
- Configuration Management Using Puppet
- Configuration Management Using Ansible
- Continuous Testing
- Continuous Integration Using Jenkins
- Continuous Orchestration Using Kubernetes
- Continuous Monitoring Using Nagios
- DevOps on AWS
- Deploying Infrastructure with Terraform
- Terraform Modules and Workspaces

Self-paced Courses

As part of this online classroom training, you will receive five additional self-paced courses co-created with IBM, namely, AZ-900, Linux, and SQL. Moreover, you will also get exclusive access to IBM Watson Cloud Lab for the Chatbots course.

Project Work

AWS Solutions

- Deploying a Multi-tier Website on AWS
- Deploying a Website for High Availability and High Resilience
- Sending Notifications to Patients Using Push Notifications
- An Application to Sort Objects in an S3 Bucket Using Beanstalk and Lambda
- Case Study 1 - Using Different Operations on EC2 and EWS
- Case Study 2 - Autoscaling Compute Capacity in AWS
- Case Study 3 - Creating Custom VPCs in AWS
- Case Study 4 - Using AWS S3 for Lifecycle Access Management
- Case Study 5 - Highly Available Relational Database in AWS
- Case Study 6 - CloudFormation for Infrastructure-as-Code
- Case Study 7 - Administering User Access Using AWS IAM
- Case Study 8 - Application Services in AWS and Configuration Management

AWS Developer

- Deploying a Multi-tier Website Using AWS EC2
- Website Orchestration

DevOps

- Creating CI/CD Pipeline to Build and Test a Website
- Deploying an App on Kubernetes Using CI/CD Pipelines
- Merging Git Branches
- Implementing Git Workflow

- Creating Custom Containers in Docker
- Using Blind Mounts, Docker Compose, and Docker Swarm
- Using Puppet for Configuration Management
- Using Selenium to Create Automated Test Cases

AWS DevOps

- Creating CI/CD Pipeline to Build and Test a Website
- Creating the Architecture for an Application
- Implementing the DevOps Life Cycle Using AWS
- Deploying a Website for High Availability and High Resilience
- Sending Notifications to Patients Using Push Notifications
- Deploying an App on Kubernetes Using CI/CD Pipelines
- Merging Git Branches
- Deploying a Multi-Tier Website Using AWS EC2
- Website Orchestration
- Containerizing Various Frameworks and NGINX Application Using Docker
- Using Different Operations on EC2 and EWS
- Autoscaling Compute Capacity in AWS
- Creating Custom VPCs in AWS
- Using AWS S3 for Lifecycle Access Management
- Highly Available Relational Database in AWS
- CloudFormation for Infrastructure-as-Code
- Administering User Access Using AWS IAM
- Application Services in AWS and Configuration Management
- Implementing Git Workflow

- Resolving Merge Conflicts
- Creating Custom Containers in Docker
- Using Bind Mounts, Docker Compose, and Docker Swarm
- Using Puppet for Configuration Management
- Using Selenium to Create Automated Test Cases

Certification

After the completion of the course, you will get a certificate from IBM.



You will also receive a course completion certificate from IntelliPaat.



CERTIFICATE OF COMPLETION

This Certificate Is Presented To

Your Name

Who has successfully completed all the requirements stipulated by IntelliPaat for

Course Name

to achieve professional excellence

Issue Date: January 2, 2020

Mrs. Shilpi Jain
Director,
IntelliPaat Software Solutions Pvt Ltd.

**VERIFIED
CERTIFICATE**

Certificate ID 31679-119525-18232

Success Stories



Kevin K Wada

Thank you very much for your top-class service. A special mention should be made for your patience in listening to my queries and giving me a solution, which was exactly what I was looking for. I am giving you a 10 on 10!



Sampson Basoah

The Intellipaate team helped me in selecting the perfect course that suits my profile. The whole course was practically oriented, and the trainers are always ready to answer any question. I found this course to be impactful. Thank you.



Hillol Pal

I am happy with the training pace and the trainer. He listened to the questions and answered them aptly with patience. He has got great experience in the AWS platform and provided me with proper use cases when explaining specific topics. Intellipaate also properly conducted the program with prompt responses. My full appreciation goes to the entire Intellipaate team.



Raja Sekhar Karna

Intellipaate's AWS training is like learning from the Amazon people. It is so professionally created and completely in line with clearing the AWS certification. Thank you, Intellipaate, for such a wonderful AWS certification training course.

CONTACT US

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