



*LEARN,THINK,INNOVATE*



[www.emexotechnologies.com](http://www.emexotechnologies.com)

## Overview

Let eMexo Technologies **Best AWS DevOps Engineer Certification Training in Electronic City Bangalore** take you from the fundamentals of AWS DevOps Engineer to Advance AWS DevOps Engineer and make you an expert in developing real time AWS DevOps Engineer applications. Here are the major topics we cover under this AWS DevOps Engineer course Syllabus. **Introduction To DevOps On Cloud,SDLC Automation,Automating Infrastructure With CloudFormation,Application Deployment Using Elastic Beanstalk,Configuration Management Using**

**OpsWorks, Automate Monitoring And Event Management In AWS, High Availability, Fault Tolerance And Disaster Recovery, Container Management Tools.** Each topic will be covered in practical ways with examples.

All the topics will be covered with Practical and hands on training. Our trainers have industry experience with live project experience in cutting edge technologies which they teach. We hire only Best AWS DevOps Engineer industry specialists as trainer for our AWS DevOps Engineer trainings.

Come over to our training institute for a free demo class. Let our trainer give you a demo on AWS DevOps Engineer and only then you take the decision to enroll into the training program.

### **.Training Features**

#### **Expert Instructors**

30 hours of Instructor led Classes. Weekend class:10 sessions of 3 hour each and Weekday class:15 sessions of 2 hours each.

#### **Real life Case Studies**

Do a real life case study to understand the usage on real world scenarios.

#### **Assignments**

Each class will be followed by practical assignment which can be completed before the next class.

### **Unit 1 : Introduction To DevOps On Cloud**

- Understanding DevOps and its lifecycle
- Why DevOps on Cloud?
- Introduction to AWS
- DevOps using AWS
- Security Management – IAM (Identity and Access Management), WAF (Web Application Firewall), AWS Shield, Guard Duty
- Trusted Advisor
- Governance Strategies
- Hands-on

### **Unit 2 : SDLC Automation**

- CodeCommit

- CodeBuild
- CodePipeline
- CodeDeploy
- AWS CodeStar
- Hands-on

### **Unit 3 : Automating Infrastructure With CloudFormation**

- Introduction to CloudFormation
- CloudFormation Template
- Intrinsic Functions & Conditions
- Stack Creation
- Advanced CloudFormation Concepts – CloudFormation Nesting, CloudFormation Wait Conditions & Wait Condition Handlers, CloudFormation Helper Scripts, CloudFormation Custom Resources
- CloudFormation Stack Updates
- CloudFormation Resource Deletion Policy
- CloudFormation Best Practices
- Troubleshooting
- Hands-on

### **Unit 4 : Application Deployment Using Elastic Beanstalk**

- Introduction to Elastic Beanstalk
- Components of Beanstalk
- Deployment Option
- Platform Updates
- Docker in Elastic Beanstalk

- Extending Beanstalk using extensions
- Alarms and Notification
- Troubleshooting
- Hands-on

### **Unit 5 : Configuration Management Using OpsWorks**

- Introduction to OpsWorks
- Components of OpsWorks
- Cookbooks, Recipes, Data bags and Berkshelf
- OpsWorks Lifecycle Events
- OpsWorks Deployment
- OpsWorks Auto-Healing
- Troubleshooting
- Hands-on

### **Unit 6 : Automate Monitoring And Event Management In AWS**

- Introduction to CloudWatch
- CloudWatch Metrics: EC2, ELB, and Auto Scaling metrics
- Custom Metrics
- CloudWatch Alarms
- CloudWatch Agent
- CloudWatch Logs
- Introduction to CloudTrail
- System Manager
- Tagging

- Concepts required to set-up event-driven automated actions – Lambda, SNS, Autoscaling
- Hands-on

### **Unit 7 : High Availability, Fault Tolerance And Disaster Recovery**

- EBS
- Elastic IP
- Multi region and multi AZs
- SQS
- Data Management in Amazon RDS
- Dynamo DB
- S3
- Provisioning elasticity using Load Balancer and Auto-Scaling
- Components of Auto Scaling
- Horizontal and vertical scaling
- Auto-Scaling Lifecycle
- Recovery Time Objective and Recovery Point Objective
- Disaster Recovery Options
- Overcome single Point of Failure
- Hands-on

### **Unit 8 : Container Management Tools**

- Orchestration
- Elastic Container Service
- Amazon ECR
- Select a Launch type for your application

- ECS with EC2
- ECS with Fargate
- Hands On

## FAQs

### **1. How is the training organised? How much percentage is theoretical and how much is practical hands on?**

We at eMexo believe nothing beats a hands-on practice when it comes to learning a concept. Our teaching methodology is 100% practical hands-on oriented. You learn a concept, you practice it then and there with the trainer. We also give you assignments for each topic which you can practice at home and any doubts regarding the topic can be cleared with the trainer next day.

### **2. What is the course duration ? How and when do you plan to complete the course ?**

We generally cover our courses in 30 hours, however, we are aware that we can't put a hard- stop to learning with a number. Our trainer will make sure that you have learned everything that is part of the curriculum. This could mean 28 hours or 35 hours, doesn't matter.

### **3. What is the material provided in the training ?**

We have industry standard course material which is used by our trainers to train you. At the end of the training apart from the notes which you have taken during the course, we will also provide you with the training material which was used. This training material includes the training content, interview questions etc.

### **4. Do you help in preparing for the interview ?**

Our trainers are working professionals who work in MNC's. They are the expert in their domain and they know exactly what an interviewer looks into a candidate. Our expert trainers apart from sharing the interview questions they will also conduct mock interviews to help you prepare for the real interview.

### **5. Who are your trainers ?**

Our trainers are industry experts who work in their respective technologies day in day out. They work in MNC's and are technology experts within their organisation.

### **6. What is the total batch size per course?**

We maintain a strict batch size of maximum 5 students. We also provide exclusive one to one training as well. Talk to our training partner to get more details.

### **7. Do you provide certification for the course?**

Yes, at the end of training we provide a certification of completion.

**8. Will I be joining a new batch or be merged with another batch ?**

You will be added to a new batch.

**9. Is fast track training available?**

Yes, we provide fast-track training as well for those who want to complete the course faster. The curriculum and the total hours required to complete the course will remain same. However, the trainer will be spending more hours with you to complete the course.

**10. Do you assist in job placement ?**

Our trainers are expert professionals in their organisations and they often act as the interviewer to hire new candidates. Our trainers will help you prepare your resume with industry standards. After all, they know exactly what to look in a resume.

**11. Timings for trainings - Regular training/weekend training**

We provide both regular and weekend training. Talk to our training partner to learn more about the timings.

**12. Will you be working on a live project during training ?**

Yes, apart from doing the hands-on practice our trainer will also be taking a real-world project and work with you for the implementation.

**13. What happens if I miss a class?**

If you miss a class the content of that class will be taught to you again. With us you might miss a class but not the content.

**14. Can I attend a demo before the actual class?**

Yes, absolutely! Talk to our training counsellor on phone at 9513216462 or email us at [info@emexotechnologies.com](mailto:info@emexotechnologies.com) to arrange for a free demo. You can also fill in the contact us form below and we will call you to discuss your training requirements.