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Learn at a time and place, and pace that is of your choice.

Plan your study to suit your convenience and schedule.

# DevOps Training

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Email Contact: [info@educba.com](mailto:info@educba.com)



# EDUCBA

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

# Course Overview

You get to learn the concepts of DevOps, configuration management tool Chef, Docker and its application in the world of Virtualization.

Analyzing machine-generated data using Splunk, understand Version Control Tools and Git operations in detail.

This course specially focuses on AWS certified DevOps training course, Chef DevOps, Docker, Splunk, Git and Git repository.

# DevOps Training Skills

We learn the following skills:

- AWS: Cloud infrastructure tool, hugely popular.
- DevOps Engineer: Basics of DevOps Skill.
- Chef DevOps: Chef is a DevOps tool which is gaining a lot of attention lately.
- Docker: Deploy application anywhere anytime without VM or Cloud.
- Splunk: Machine data processing framework
- Version Control System: Code management and collaboration

# Course Features



Course Duration- 18 + Hours



Number of Courses



Verifiable Certificates



Lifetime Access



Technical Excellence

# About DevOps

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DevOps (Development and Operations) is a set of software development practices used to mean a type of agile relationship between software development and IT operations.

It includes various tools such as Jenkins, Docker, Ansible, Chef.

# DevOps Course

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This is a Bundle Course that includes complete in-depth DevOps Learning Courses combined into one Complete Course.

This Bundle perfectly meets the requisite of the industry and gives you a better chance of being hired as a DevOps Learning professional.



# AWS Certified DevOps Engineer

## Section 1. Introduction

- Introduction to AWS Certified DevOps Engineers

## Section 2. Getting Started

- Prerequisites for the Exam
- AWS Certified DevOps Engineer
- AWS Cloud Formation Documentation

## Section 3. Understanding Devops Mindsets

- Understanding Devops Mindsets
- Devops Principles
- CI and CD Principles

## Section 4. Understanding Application Life Cycle Management

- Version Control and Version control Tools
- Working With AWS Power Shell
- Understanding Application Life Cycle Management
- AWS Code Depoly and Code Pipeline Creating
- Environment Configuration in AWS
- Creating Build Stage for Pipeline in Lifecycle Management
- Implementing Test Case Using Jenkin Pipeline
- AMI Deployment Methods and Bootstrapping
- Blue Green Deployment Methods in AWS Certified

## Section 5. Automating Infrastructure with Cloud Formation

- AWS Cloud Formation
- Working Using Json Object in AWS Cloud Formation
- More on Cloud Formation using Json
- Creating Simple Cloud Formation Templates
- Working with Json Validators
- Single Instance with TempLates
- Single Instance with TempLates Example
- Creating and Configure Instance
- Wait Condition Web Instance

## Section 1. Introduction

- Introduction to Chefs Devops

## Section 2. Getting Started

- Components of Workstation
- Types of Nodes
- Structure of Chef

## Section 3. Chef Server installation

- Installation of Chef Server
- Coding for Chef Server
- Creating New User
- Installation of Workstation

## Section 4. Setup

- Setup of Chef Development
- Coding for Workstation
- Setting Client Nodes
- Cookbooks in Chef
- Executing the Codes

## Section 5. Programming Language

- Basics of Roci Programming Language
- Famous Keywords in Roci
- Learning the Classes and Objects
- Implementing the Conditional Statement
- Implementing the Case Statements
- How to Create a Cookbook
- Executing the Sudo Chef Client

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## Docker Training

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### Section 1. Introduction

- Introduction to Chefs Devops

### Section 2. Getting Started

- Concept of Container
- Docker Swarm

### Section 3. Docker Command

- Building Images in Docker
- Commands for Docker Images
- Docker Commit Command
- Writing a Docker File
- Docker Build Command
- Specifying Command to Run
- Entrypoint Instruction

### Section 4. Specification in Docker

- Getting Terminal Access to Content
- Managing Images and Containers
- Finding Container ID and Running Docker
- Deleting Local Images using RMI Command
- Specifying Volumes in Docker File
- Purpose of Using Volumes

### Section 5. Basics Networking

- Container Networking Basics
- Uses of Linking

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## Splunk Fundamentals

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### Section 1. Introduction

- Introduction to Splunk

### Section 2. Intelligence and Example

- Operational Intelligence
- Splunk Examples

### Section 3. Splunk MapReduce

- Splunk MapReduce

### Section 4. Installation

- Splunk Enterprise Windows Installation
- Splunk Enterprise Setup

### Section 5. Basic configurations

- Basic Configurations of Splunk

### Section 6. Data Input into Splunk

- Data Input into Splunk

### Section 7. Splunk Apps and Searching the data

- Introduction to Splunk Apps
- User Interface of Splunk
- Searching the data in Splunk
- Fields Side Bar
- Format Timeline

### Section 8. Splunk Fields, Splunk Searching and Reporting App Tour

- Splunk Fields
- Splunk Searching
- Reporting App Tour

### Section 9. Splunk Report Creation

- Splunk Report Creation

### Section 10. Splunk statistics and visualization

- Splunk Statistics
- Splunk Visualization

## Section 11. Splunk Search Commands

- Splunk Search Commands
- Splunk Search Commands Continues
- Rename Command
- Search Fundamentals
- Remove Duplicates and Sort

## Section 12. Splunk Commands

- Splunk Commands Top Rare

## Section 13. Deriving statistics

- Stats Command
- Count Function in Stats
- Distinct Count Function in Stats
- Sum and Average Function in Stats
- List and Value Function in Stats

## Section 14. Creating Visualizations

- Splunk Chart Command
- About Time Chart in Splunk
- Splunk Charts Line Area
- Line chart in Splunk Using Chart and Time Chart
- Area Chart in Splunk using Chart and Time Chart
- Bar Chart in Splunk
- Pie chart in Splunk
- Bubble and Scatter chart Visualizations in Splunk
- Single and Gauges type visualizations in Splunk



## Section 15. Enriching Visualizations

- Splunk Single Value Visualizations
- Add Totals and uses of Add Totals in Splunk
- Splunk Trend Line Command
- Cluster Map Visualization

## Section 16. Evaluating the Results

- Splunk using Eval Command
- Splunk Stats Eval
- Splunk ToString Function
- Splunk if Function
- Splunk Filtering Results

## Section 17. Correlating Events

- Splunk Transaction Command
- Splunk Transaction Maxspan and Maxpause starts with Ends with
- Correlating Events

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## Version Control System - GIT Training

### Section 1. Introduction

- Introduction to Version Control System

### Section 2. Terminologies and Types

- Terminologies and Types

### Section 3. Life Cycle and GIT

- Understanding SVN Life Cycle
- Demo of SVN
- Working of Git

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## Git and Github for Developers

### Section 1. Contents and Introduction

- Introduction to Git
- Features of Git

### Section 2. Installation

- Installation of Git

### Section 3. Getting Started


- Getting Started with Git
- Basic Concepts of Git
- Restructure in Git
- Branches

### Section 4. Creating Online Repository

- Creating Online Repository
- Git Operations
- Merging Branches

### Section 5. Git Hub

- GitHub
- Hooks
- GitHub Operations and Git Life Cycle



# Frequently Asked Questions

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Is this DevOps Training suitable for freshers or some experience is required to learn this?

This course is suitable for both freshers as well as experienced professionals. You need not have any industrial exposure to understand the DevOps Training content. But you should meet the eligibility as specified in the pre-requisite section above.

Can I write the AWS exam after going through this DevOps Training?

Yes. This course helps you prepare enough to write and pass the AWS certification course. In the DevOps Certification, we provide tips for cracking exam and important questions which are likely to be asked.

Will this DevOps Training Certification teach enough practical use cases and coding?

The course is completely practical and comes with many examples, use cases, and actual coding. Rest assured, you shall be writing code like a pro after completing the DevOps Training.



# Customer Reviews

“

Wonderful course on Splunk. Very detailed, and comprehensive, great pace, detailed explanation and plenty of examples that mirrors real world cases. I highly recommend this course for those trying to learn splunk. The tutor explains each sections and results in a detailed manner that increases a student understanding. This is the best course on splunk for the amount of money you will invest.

Matthew Akadang Omang

”

I have always used git in simple configuration management repositories and wanted to to work on something bigger and share my code with multiple developers. This Devops certification course helped me get up to speed with the ins and outs. Easy to start and takes you into details without being overwhelming. I recommend this course to others.

Mohammad H. Al-Shami

“

This session was really neat, clean and to the point. Explained very well, that any layman can understand also explanatory enough covering all necessary points. I am new to git though I know about other version control systems. This session helps me really to understand the flow of git life cycle and the basic commands required. Good Job trainer!

Shiyas Cholamukhath



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For Queries please contact:

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