

Logiclabs
Technologies

Devops With AWS

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DEVOPS with AWS Course Content

Duration: 40 Days

Each Session: 1 Hour

1. Devops Introduction

- Why Devops and roles and responsibilities
- How Devops and Cloud exists in today's world.
- What is Continuous Integration and Delivery how it's related to Devops?

2. Linux

- Linux Introduction
- Command line utilities and basic commands
- Linux File system introduction
- Text Editors
- Filters and Redirections
- Users & Groups and Permissions

3. Git

- What is version control system?
- Compare Git with others and why is it called Distributed Version Control System?
- Create an Local Git Repository
- Operations like commit, pull, push, clone, merge, cherry pick and rebase
- Git Branches and how to use
- GitHub a remote repository

4. Maven

- What are build tools?
- GAV Coordinates in Maven
- Build a Java Application using Maven
- Dependency Management
- Plugins as a building block in maven build
- Building and deploying java web application using maven

5. Jenkins

- Introduction to Continuous Integration.
- Build & Release and relation with DevOps
- Why continuous integration
- Jenkins introduction and setup
- Jenkins projects/jobs
- Jenkins plugins
- Jenkins administration:
- Users
- Nodes/Slaves
- Managing plugins
- Managing Software Versions

6. Docker

- Introduction to Docker
- Virtualization and Containerization differences
- Docker Installation
- Docker CLI
- Run your first Docker Container
- Copy Files in the Docker Image
- Docker, Maven and Jenkins
- Tag and share docker images
- Database Installation with Docker Image
- Learning DockerFile
- Creating our own Docker Image
- Docker Networking

7. Ansible

- Ansible Introduction & Setup
- Foundation
- Modules and Ad hoc Commands
- YML Scripting
- PlayBook for CM automation
- Roles

8. Nagios

- Installation of Nagios
- Configuring Nagios
- Monitoring with Nagios

*******Thank You*******