Devops Training In Ameerpet

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Devops Course Content

DevOps is the union of people, process and products to enable the continuous delivery of   value to end users. It aims to create a culture and environment where building, testing, and releasing software can happen rapidly, frequently, and more reliably, so you can innovate like a startup and scale for the enterprise

- Introduction to   DevOps

What is Devops ?

History of Devops

- Devops definition DevOps Main Objectives
- DevOps and Software Development Life Cycle
- Waterfall Model
- Agail Model

Continuous Integration & Deployment Jenkins

Containers and Virtual Development

- Docke

- vagrant

Configuration Management Tools

- Ansib
- Che

- CLOUD COMPUTING

What is Cloud ?

Evolution of Cloud Computing IAAS, SAAS, PAAS Cloud Models
Public Clouds

- Amazon Web Services
- JVticrosoft   Azure
- Google Cloud

Why AWS Cloud

EC2 Essentials & Build EC2 Instances Security Groups

Key Pairs (Public Key, Private Keys)

3.LINUX: Basic and ADMIN

Linux OS Introduction Importance of Linux in DevOps

Linux Basic Command Utilities fi   Linux Administration

Environment Variables Networking

Linux Server Installation fi RPM Installation

YUM Installation

4.WEB SERVER 8s APPLICATION SERVER

- Apache Web Server
- Web Server Installation & Configuration
- Apache Tomcat Server
- Tomcat Server Installation & Configuration
- Manual and Automated Application deployment

5.VERSION CONTROL – SVN 8s GIT

- Version Control System
- Centralized and Distributed Systems
  4 SVN
- SVN Features
- SVN Server Installation
- Configure SVN with Web server
- Create and Configure Users
- SVN Trunk / Branch / Tag

GIT

- GIT Features
- 3-Tree Architecture
- GIT – Clone /Commit / Push
- GIT Hub Projects
- GIT Hub Management

fi Differences between SVN & GIT

6.BILD TOOLS – ANT 8s MAVEN

Java Compiler

4.ANT

- ANT Installation
- ANT build pre-requisites
- Creating JAR and WAR files
- Make AND Build

5.MAVEN

- Maven Installation
- Maven Build requirements
- Maven POM Build

7.CONTINUOUS INTEGRATION- JENKINS

fi Introduction to Jenkins

- Continuous Integration with Jenkins

fi Installation of Jenkins Master and Slave Configure Jenkins

- Jenkins Management

S Support for the GIT version control System
fi Different types of Jenkins Jobs
S Scheduling build Jobs fi   Maven Build Scripts

fi Securing Jenkins

Authentication Authorization Confidentiality Creating Users

Jenkins Plugin

Installing Jenkins Plugins SCM plugin
Build and test

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Thank you!