**NIKHILTRAININGS**

*Leaders in Training*

DevOps

What is DevOps

Dev and Ops activities Scope of DevOps

Tools to achive DevOps process

Roles and Responsibilities of DevOps engineer Overview about

* IAAS
* PAAS
* SAAS

DevOps on cloud computing and virtualization Containership tool in DevOps model

Career on DevOps

GIT

* What is version control
* What is git and its history
* Install git and configuration settings
* Setting up repository
* Working with local repository
* Working with remote repository like github/gitlab
* Branching, merging, rebasing with git
* Revert the git changes/commits
* Configurations with eclipse and gerrit

Maven

* Introduction to maven fundamentals
* Maven structure
* Maven dependencies
* Maven repositories
* Maven plugins
* Pom.xml
* Goals
* Local/remote repo structure
* Compiler plugins

Linux

* Introduction
* The directory structure
* Working on files or folders
* Working on the command line
* File system security
* Linux networking commands

Linux Scripting overview

* Student
* Introduction about shell script
* Variables
* If conditions.... for loops....
* Input, output statements
* Control flow
* Functions
* Play with strings

JENKINS

* Introduction Jenkins
* Installation and configuration
* Securing Jenkins
* Managing Jenkins credentials
* Plugin management
* Jenkins backup – restore settings
* Different types of jobs configuration
* Schedule jobs
* Parameterized builds
* Managing Master & slave configuration

WEBLOGIC

* Install & configure a weblogic server
* Weblogic console administration
* Configuring domain
* Configuring managed servers
* Configuring node managers
* Viewing and managing logs
* Auto deployment and manual deployment concepts
* Creating & staging deployment plan
* Cluster architecture and configuration
* Security concepts and configurations
* Performance tuning

SONAR QUBE

* Installation & configuration
* Display code analysis results in sonar
* Customize dashboard
* Sonar widgets
* Plugin configurations
* Quality gates & Profiles

NEXUS REPOSITORY

* What is Nexus & what is repository management
* Installation & configuration of NEXUS with user settings
* Creating repository with p2 nexus plugin
* Managing central repository

AWS

* Introduction to AWS & cloud computing
* Creating AWS account
* Navigate AWS manage console
* Amaon EC2 service
* Create and play on S3 service
* Working on EBS volumes
* Working on ELB
* Creating or accessing Amazon VPC
* Getting started with RDS
* Getting started with AMI with roles
* Creating cloud formation stack
* Configuring cloud watch with services

CHEF

* Introduction about chef
* How to create & configure chef server, nodes, work stations.
* Get starting with recipes, resources
* Copying config files into nodes
* Creating and configuring environments
* Working with roles
* Working on Knife plugins

DOCKER

* Introduction to Docker
* Container Operations
* Images Operations
* Docker Compose

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