Want a Thriving Business? Focus on Devops Training!

Learn DevOps Course in IIHT
IIHT is the global leader to provide DevOps course training module. The course trains the learners about the DevOps philosophy. Since DevOps is the integration of both Development and Operations, the learners are trained on complete SDLC. The course covers numerous tools like Git, Maven, Puppet, Jenkins, Chef, Ansible, Docker and many more. the learners will get in-depth knowledge of software development by using tools at every stage of course. The **IIHT's Online DevOps Training** gives the flexibility to learn at one convivence. By learning this course the learner can look for the promising career prospects in the profile of DevOps Engineer.

LINUX Basics:

- Unix and Linux difference
- Linux File system structure
- Basic Linux/UNIX commands
- Changing file permissions and ownership
- Types of links soft and hard link
- Filter commands
- Simple filter and advance filter commands
- Start and stop services
- Find and kill the process with id and name
- Package installation using RPM and YUM

Introduction to DevOps

- Define DevOps
- What is DevOps
- SDLC models, Lean, ITIL, Agile
- Why DevOps?
- History of DevOps
- DevOps Stakeholders
- DevOps Goals
- Important terminology
- DevOps perspective
- DevOps and Agile
- DevOps Tools
- Configuration management
- Continuous Integration and Deployment

Introduction to Cloud computing

- What is cloud computing
- Characteristics of cloud computing
- Cloud implementation models
- Cloud service models
- Advantages of cloud computing

- Concerns of cloud computing

GIT:
Version Control

- Introduction
- What is Git?
- About Version Control System and Types
- Difference between CVCS and DVCS o A short history of GIT o GIT Basics o GIT Command Line
  - Installing Git
  - Installing on Linux
  - Installing on Windows
  - Initial setup

Git Essentials

- Creating repository
- Cloning, check-in and committing
- Fetch pull and remote
- Branching
- Creating the Branches, switching the branches, merging the branches.

Chef for configuration management

- Overview of Chef
- Common Chef Terminology (Server, Workstation, Client, Repository etc.)
  of Servers and Nodes
- Chef Configuration Concepts
- Workstation Setup
- How to configure knife
- Execute some commands to test connection between knife and workstation
- Organization Setup of Create organization
  of Add yourself and node to organization
- Test Node Setup of Create a server and add to organization
  of Check node details using knife
  - Node Objects and Search
  - How to Add Run list to Node
  - Check node Details

Environments

How to create Environments o Add servers to environments

- Roles of Create roles o Add Roles to organization
- Attributes of Understanding of Attributes o Creating Custom Attributes o Defining in Cookbooks
- Data bags of Understanding the data bags o Creating and managing the data bags o Creating the data bags using CLI and Chef Console o Sample data bags for Creating Users

Puppet for configuration management

- What is Puppet?
- How puppet works?
- Puppet Architecture o Master and Agents
- Puppet terminology and about Manifests

- Installation and Configurationof Installing Puppet
- Configuring Puppet Master and Agent
- Connecting Agents
- Puppet Master
- Puppet configuration files
- Puppet Language Basics
- The declarative language
- Resources
- Using Basic resources like file, exec, package service
- Resource Collectors
- Virtual Resources
- Exported Resources
- Manifests
- Modules and Classes
- Class Parameters
- Defined Type
- Templates o Static Contents Explosion
- Using Dynamic Content with Templates
- Templates Overview
- ERB
- Example Code Manifests/Modules
- NTP Module
- Users Module
- SSH
- Sudo
- Puppet Forge
- Understanding the Puppet Forge
- Module structure
- Install LAMP with pre-existing modules
- Installing Apache Tomcat with Puppet Modules

Jenkins
Continuous Integration

- Introduction.
- Understanding continuous integration
- Introduction about Jenkins
- Build Cyde
- Jenkins Architecture
- Installation
- Obtaining and installing Jenkins
- Installing and configuring Jenkins using WAR and RPM
- Java installation and configuration
- Maven Installation
- Exploring Jenkins Dashboard
- Jobs
- Creating Jobs
- Running the Jobs
- Setting up the global environments for Jobs
- Adding and updating Plugins
- Disabling and deleting jobs
- Build Deployments
- Understanding Deployment.
- Tomcat installation and configuration
- Securing Jenkins

- Authentication
- Jenkins Plugin
- Authorization
- Confidentiality
- Creating users
- Best Practices for Jenkins

Docker

- Introduction
- What is a Docker
- Use case of Docker
- Platforms for Docker
- Dockers vs. Virtualization
- Architecture
- Docker Architecture
- Understanding the Docker components

Installation

- Installing Docker on Linux.
- Understanding Installation of Docker on windows.
- Some Docker commands.
- Provisioning

Docker Hub

- Downloading Docker images.
- Uploading the images in Docker Registry and AWS ECS
- Understanding the containers
- Running commands in container
- Running multiple containers
- Custom images
- Creating a custom image.
- Running a container from the custom image.
- Publishing the custom image.
- Docker Networking
- Accessing containers
- Linking containers
- Exposing container ports
- Container Routing
- Docker Compose
- Installing the Docker compose
- Terminology in Docker compose
- Build word press site using Docker compose

VAGRANT

- Introduction of Why and what is Vagrant
- Uses of Vagrant in an environment
- Alternatives of Vagrant
- Vagrant versions
- Installation and Configuration
- Installing Virtual box
- How to install Vagrant on Windows and Linux

- Configuring Vagrant
- Provisioning with Vagrant
- Creating first VM with Vagrant
- Operations on the VM of Connecting to the VM
- Add required Images to Vagrant
- Creating network and port forwarding using Vagrant

NEW RELIC

- Introduction
- About Monitoring tools
- About New Relic of Installing and Configuring New Relic
- Application Monitoring using New Relic
- Server Monitoring using New Relic
- Alerts policies

ELK

- Introduction
- What is ELK?
- ELK Installation
- ElasticSearch
- Logstash
- Configuring Logstashand Kibana

Click here : **to know more details like fee structure, duration and batch timings.**