

DevOps Certification Training

About GITS Academy

GITS Academy was formed in June 2008 by a dedicated team of Subject Matter Specialists who sought relevant training with right fee structure and found a real dearth of institutions Meeting their expectations. From that point it was all about meeting of minds. The idea germinated producing **GITS Academy** offering relevant courses at reasonable cost by industry experts handling real time issues.

We conduct Training in the field of Analytics Tools Like Data Science with R, Data Science with Python, Advanced Excel, VBA, MS Access, SQL Server, Business Statistics & MS BI, Power Bi, Tableau Keeping same thought process GITS builds ladder of Successful training and achievements where many Corporate Clients as well as Educational Organizations have been trained in different orientations with respect to their requirements.

About Course

The DevOps Training Program will prepare you for your bright career.

This training will give you In depth knowledge of Continuous development& continuous operation.

There are various Devops tool, by learning these tools you can be an expert in Devops.

These tools are:

Git, Jenkins, Docker, Ansible, Puppet, Kubernetes and Nagios. This training is designed by corporate experts and completely hands-on and designed in a way to assist you become a Devops engineer. Through best practices in Continuous Development, Continuous Testing, Configuration Management and Continuous Integration, and finally, Continuous Monitoring of software throughout its development life cycle.

OVER VIEW OF DEVOPS

Introduction To DevOps

- Why DevOps?
- What is DevOps?
- DevOps Market Trends
- DevOps Engineer Skills
- DevOps Delivery Pipeline
- DevOps Ecosystem



VERSION CONTROL WITH GIT

Topics Covered

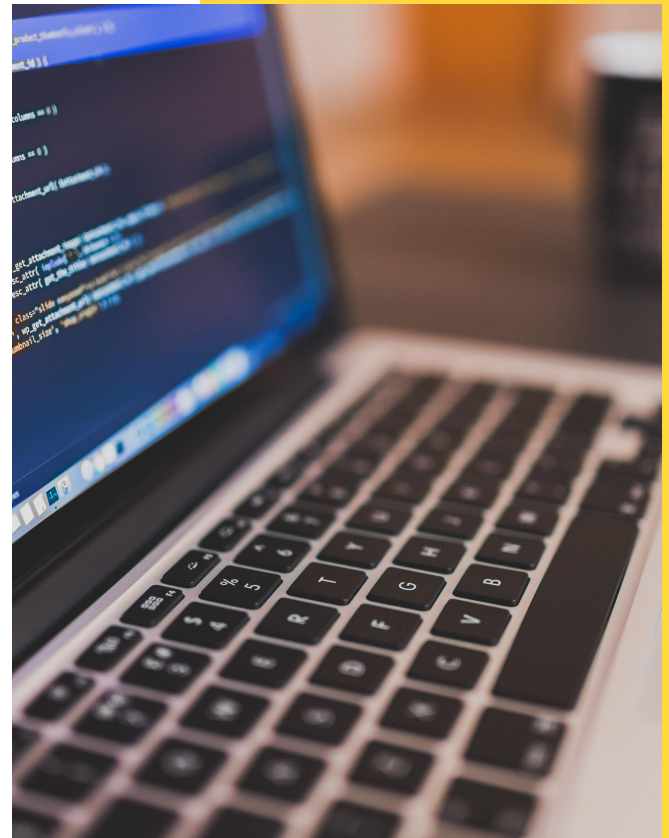
- What is version control
- What is Git
- Why Git for your organization
- Install Git
- Common commands in Git
- Working with Remote Repositories

OVER VIEW OF DEVOPS

Introduction To DevOps

Git, Jenkins & Maven Integration:

- Branching and Merging in Git
- Git workflows
- Git cheat sheet
- What is CI
- Why CI is Required
- Introduction to Jenkins (With Architecture)
- Introduction to Maven



CONTINUOUS INTEGRATION USING JENKINS

Topics Covered

- Jenkins Management
- Adding a slave node to Jenkins
- Building Delivery Pipeline
- Pipeline as a Code
- Implementation of Jenkins in the Project.

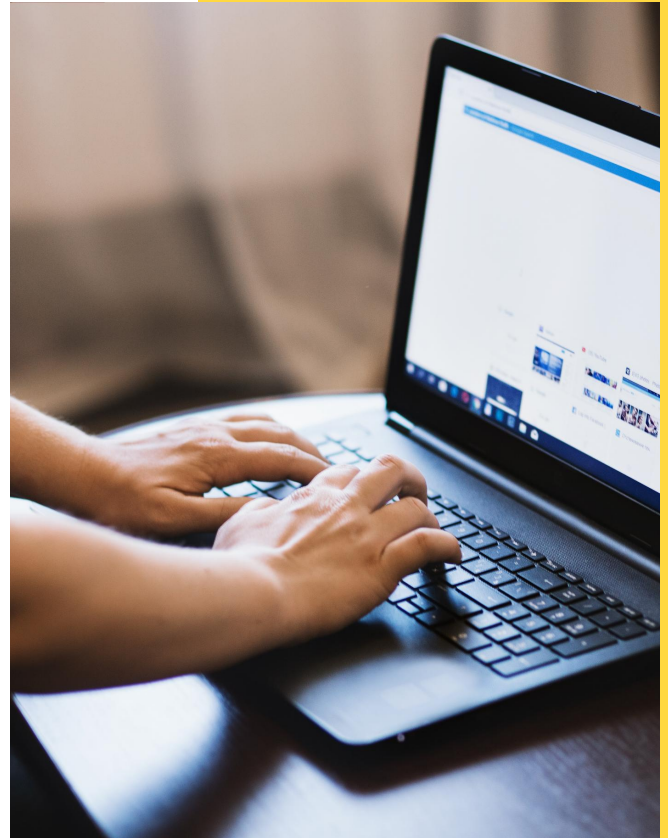


OVER VIEW OF DEVOPS

Introduction To DevOps

Continuous Deployment: Containerization with Docker

- Shipping Transportation Challenges
- Introducing Docker
- Understanding images and containers
- Running Hello World in Docker
- Introduction to Container
- Container Life Cycle



CONTINUOUS DEPLOYMENT: CONTAINERIZATION WITH DOCKER

Topics Covered

- Sharing and Copying
- Base Image
- Docker File
- Working with containers
- Publishing Image on Docker Hub

Containerization with
Docker: Ecosystem and
Networking

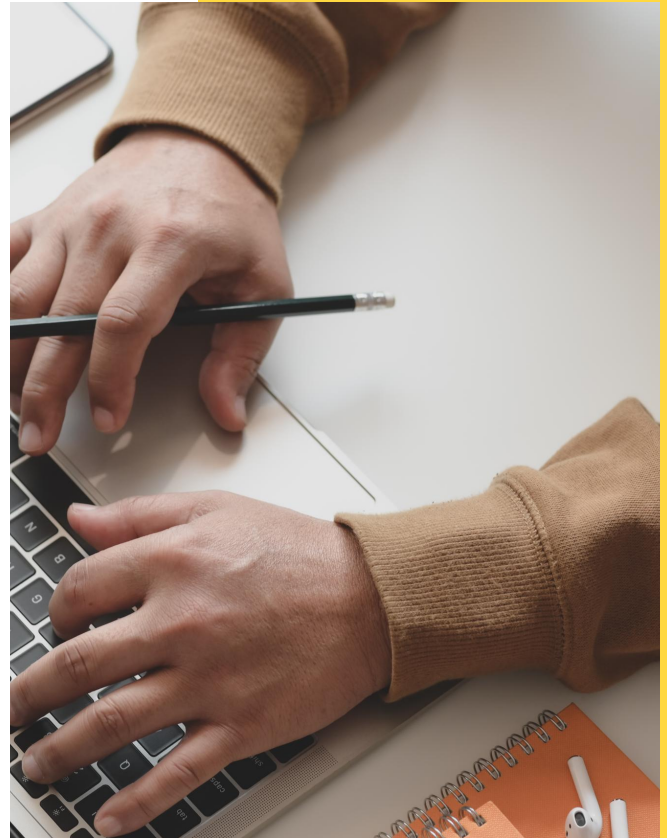


OVER VIEW OF DEVOPS

Introduction To DevOps

Configuration Management with Ansible

- Introduction to Ansible
- Ansible Installation
- Configuring Ansible Roles
- Write Playbooks
- Executing adhoc command



CONTINUOUS DEPLOYMENT: CONFIGURATION MANAGEMENT WITH PUPPET

Topics Covered

- Introduction to Puppet
- Puppet Installation
- Puppet Configuration
- Puppet Master and Agent Setup
- Puppet Module

Node Classification

OVER VIEW OF DEVOPS

Introduction To DevOps

Continuous Deployment: Configuration Management with Puppet

- Puppet Environment
- Puppet Classes
- Automation & Reporting



CONTAINERIZATION USING KUBERNETES

Topics Covered

- Revisiting Kubernetes Cluster Architecture
- Spinning up a Kubernetes Cluster on Ubuntu VMs
- Exploring your Cluster
- Understanding YAML
- Creating a Deployment in Kubernetes using YAML
- Creating a Service in Kubernetes

OVER VIEW OF DEVOPS

Introduction To DevOps

Containerization using Kubernetes

- Installing Kubernetes Dashboard
- Deploying an App using Dashboard
- Using Rolling Updates in Kubernetes
- Containers and Container Orchestration
- Introduction to Kubernetes



CONTINUOUS MONITORING WITH NAGIOS

Topics Covered

- Introduction to Continuous Monitoring
- Introduction to Nagios
- Installing Nagios
- Nagios Plugins(NRPE) and Objects

Nagios Commands and Notification

