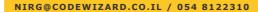




visitors 42057







Jenkins

Level	Duration
Introduction	1 days

Course Description

- The main objective of this course is to get familiar with Jenkins
- The course will teach participants how to use Jenkins for their daily development / Devops/ qa needs
- Learn how to automate build and deployment processes using Jenkins

Audience and prerequisites

- This course will be most useful for developers who want to automate the
- Developers
- Dev0ps
- QA

Main Goals

- · Learn Jenkins fundamentals
- Learn how to automate build and deployment processes using Jenkins
- · Learn how to use Shared Library
- Create and configure a Jenkins job.

Content

Session	Content	
Introduction		
	◆ History	
	◆ What is Jenkins	
	◆ What are CI/CD / Pipelines	
	CI (Continues integration)	
	CD (Continues delivery)	
	 CD (Continues deployment) 	
	Installing Jenkins	
	Standalone	
	◆ Docker	
	Blue Ocean	
	Jenkins Architecture	
	Master / Worker	
	♦ Nodes	
	◆ Agents	
	◆ Workspaces	
	 Managing Jenkins 	
	◆ Dashboards	
Managing Jenkins	5	
	◆ Configuration	
	Users management	
	◆ User roles	
	Project roles	
	◆ Security	
Jobs		
	◆ What is Job	
	Job phases	
	◆ Build	
	 Jenkins Build Pipeline 	
	Parametrize builds	

	 Connect job to Source control 	
	 Build phases / Build triggers 	
	 Schedule builds 	
	◆ Parallel builds	
	 Code quality 	
Pipeline as code		
	Blue Ocean	
	 Jenkins file 	
	◆ Jenkins CASC	
	 Multi Branch pipelines 	
	 Importance of Jenkins Pipeline 	
	Pipeline Concepts	
	Pipeline Syntax	
	Running Pipelines	
	Pipeline Plugins	
	 Jenkins and Docker (Build docker containers) 	
	Containers	
	 Docker hub 	
	◆ Docker file	
	 Distributed builds 	
Jenkins CASC		

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