

Devops

Hands-on Workshop



What is Devops?

- * Integrating IT into the business
- * IT not a business burden, but business enabler
- * Three-way thinking
- * Strike a balance between speed & quality



Workshop Benefits

- * Increase your knowledge and thereby value
- * Make yourself more marketable in job market
- * Gain real life experience
- * Course material created by architects, developers and devops professionals



Who Can Attend ?

- * Developers with minimum 3 years programming experience
- * System Administrators with minimum 3 years of admin experience and basic knowledge of any programming language
- * Devops Practitioners
- * Technical Decision Makers



Workshop Details - Module 1 (Build)

- * Devops Tools
- * Version Control Using Git
- * Build Automation Using Jenkins
- * Integration of Maven, Jenkins & Git



Workshop Details - Module 2 (Deploy)

- * Container Lifecycle
- * Continuous Deployment using Docker
- * Sharing & Copying Images
- * Containerization using Kubernetes
- * Containers and Container Orchestration



Workshop Details - Module 3 (Configure)

- * Configuration Management in Devops
- * Identification, Control & Audit Processes
- * Artifact, source code repository & Configuration Management Data architecture
- * Configuration Management Outcome:
 - * Infrastructure-as-a-code
 - * Configuration-as-a-code
- * CM Tools
 - * Ansible
 - * Puppet
 - * Chef



Workshop Details - Module 4 (Scripting)

- * Putting Everything Together
- * Final Exam

