RX-M - CI with Jenkins

Code:	CN1-Jenkins
Length:	3 days
URL:	View Online

Attendees will gain a clear understanding of Continuous Integration and its implementation with Jenkins. This course provides a hands-on approach to setting up and configuring a Jenkins server with automated builds, tests, code quality audits and reports. This is a modular course and can be delivered in 1, 2 or 3 days depending on whether students require an introductory, intermediate or in-depth knowledge of Jenkins and its function in a continuous integration environment. Each day provides discussion and hands on labs giving students practical experience with Jenkins and its integration points.

Skills Gained

- This modular course is designed to provide technology staff with a comprehensive introduction to the Jenkins Continuous Integration server.

Who Can Benefit

- Developers, IT and QA Staff, Architects, Technical Managers and Build Team personnel

Prerequisites

- General technology background. Each attendee must provide their own laptop with the ability to run a 64 bit virtual machine. Unconstrained internet access is also required to complete the labs.

Course Details

CI with Jenkins

- Day 1 - Introduction to Jenkins

1. Overview of Continuous Integration
2. Basic Jenkins Operations
3. Jenkins Configuration
4. Build Systems

- Day 2 - Jenkins in Production

1. Jenkins Plugins

2. Working with Multiple Projects
3. Distributed Builds
4. Jenkins Access Control

- Day 3 - Integrating Jenkins

1. Jenkins and Docker
2. Jenkins and Artifact Server Integration
3. Building Automaton Chains
4. Writing Jenkins Plugins

Schedule (as of 3)

Date	Location

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