

RX-M - DevOps

Code:	CN1-DevOps
Length:	2 days
URL:	View Online

This course will introduce attendees how to the principles behind the DevOps movement and how to use them to design, construct, operate and maintain production automation systems. The course covers topics such as Agile software development, continuous integration, continuous delivery, continuous deployment, infrastructure automation and other DevOps related innovations. Attendees will learn how DevOps addresses technical and human-centered disciplines in areas of engineering, organizational dynamics and project management through robust communications and collaboration practices. A particular focus is given to DevOps toolchains, including configuration management automation solution, build and test automation, and next generation cloud native systems. Upon course completion attendees will have a clear understanding of the DevOps space, its use cases and the tools and processes that organizations and employ to excel.

Skills Gained

- This course is designed to provide management and technology leadership with a comprehensive introduction to DevOps. Attendees will leave with a clear understanding of modern DevOps principles and practices and how DevOps can be applied to a range of engineering environments.

Who Can Benefit

- Technology Management, Developers, Architects, Engineering Managers and DevOps personnel

Prerequisites

- Each attendee will require the ability to run a 64 bit virtual machine (provided with the course). Basic Linux command line skills are valuable but not required.

Course Details

DevOps

- Day 1
 1. DevOps overview
 2. Agile and the drive to shorten cycle times
 3. Build and test automation
 4. Development and operations integration

- Day 2

1. Configuration management and monitoring
 2. Continuous deployment
 3. Container technology
 4. Cloud native systems
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