Technical Practices: Continuous Delivery

DevOps and, more generally speaking, the principles and practices of Continuous Delivery are the technical essence of Agility; they allow an organisation to release a product frequently, with greater quality and safety.

In this course we will analyse the world of Continuous Delivery, starting from the principles and up to the practices to implement in the field. We will understand together what is the path to follow in order to adopt Continuous Delivery in all its forms, deepening in detail Continuous Testing as the first practice to explore.

The course is for software developers interested in learning or improving their knowledge of effective technical practices.

Your Take-Aways

- understanding the definition and fundamental concepts of DevOps / Continuous Delivery
- know the principles and practices of Continuous Delivery
- know how to implement Continuous Testing

Course Organisation

The course with a total contact time of 16 hours is delivered in presence or in interactive online mode. The course is split in various modules, none of which exceeds two hours, with short breaks as needed and sufficiently long breaks between the sessions. The actual times for breaks are agreed upon in the group at the beginning of the course.

Pre-course and post-course activities are part of the training and are presented via our interactive online learning platform in various formats (video, text, quizzes, worksheets, further reading, …).

Course Agenda

- DevOps and Continuous Delivery definition
- Principles of Continuous Delivery
- Practices of Continuous Delivery
- Continuous Quality
- Continuous Testing
- Continuous Integration
- Continuous Deployment
- Continuous Monitoring
- Focus on Continuous Testing
- Test Pyramids
- A Quality Test Suite
- Test Suite Smells
- Creating a Continuous Delivery Culture