
Introduction to Continuous Delivery

1 Day Interactive Workshop

Join us for this interactive one-day tutorial that details the technical practices that enable rapid, incremental delivery of high quality, valuable new functionality to users. In this tutorial we take the unique approach of moving from release back through testing to development practices, analyzing at each stage how to improve collaboration, optimize automation and increase feedback so as to make the delivery process as fast and efficient as possible.

Outline

Using team-based learning labs, real-world examples and drawing on ThoughtWorks' extensive Agile delivery expertise, this course will help you to:

- Understand the importance of fast feedback on the production readiness of an application throughout the delivery process, and ways to achieve it.
- Understand the deployment pipeline - the creation of a living system that models your organization's value stream for delivering software.
- Improve collaboration between people involved in delivering software.
- Understand the principles and practices that enable continuous delivery (CD), including data management.
- Optimize automation of the build-test-release process.
- See how to build a complex application without using complex version control branching strategies.
- Understand mechanisms to achieve CD with large and distributed teams.
- Transform your organization's delivery process to enable CD.

Audience

Primarily targeted to developers, release managers and operations teams, but would also be of interest to automation testers and project managers.

About ThoughtWorks Studios

ThoughtWorks Studios is the product division of ThoughtWorks, Inc., the leaders in Agile software development with more than 18 years of experience, 1,800+ Agile experts and thousands of successful projects. Apart from training services, ThoughtWorks Studios' Agile tools - Mingle® for Agile Project Management, Go™ for Continuous Delivery and Twist® for Agile Testing- enable your team to implement Agile best practices. The company headquarters is co-located in San Francisco and Bangalore, with offices in London and select cities in Europe, Asia and Australia.

Detailed Course Outline

Introduction

- Introduction of trainers and participants
- Learning objectives

Introduction to Continuous Deployment

- Introduction to continuous deployment, deployment pipelines, principles, and prerequisites
- Automated tests, where they fit in the delivery process
- Refresher on continuous integration
- Exercise to understand fundamentals of continuous delivery
- Case Studies

Implementing Continuous Deployment

- Building deployment pipelines for component-based architectures
- Dependency management
- Going live
- A/B testing
- Business metrics
- Data management
- Data migration
- Environment and infrastructure management: provisioning, management, monitoring
- Managing continuous improvement while delivering continuously:
- Modeling your workflow
- Evolving the pipeline
- Fine-tuning your organization's delivery process.