

# Anatomy of a Deployment Pipeline

## Course Prospectus

### Purpose

To improve the speed and efficiency of your software development process, by exploring, in-depth, each stage of the Deployment Pipeline and learning best practices and techniques to turn new ideas into quality features for users quickly and reliably.

### Objectives

- Create a Deployment Pipeline that organises your software development efforts to move quickly and reliably, from “idea” to valuable software in the hands of users.
- Improve your “Lead Time”, eliminate waste and deliver fast, while adopting a lean approach to software development by virtue of your automated, efficient Deployment Pipeline.
- Use your Deployment Pipeline as a “machine” to apply scientifically rational, engineering principles: Use it as a “falsification” mechanism, where you can fix, and learn from, failed tests quickly.
- Reduce your software production time by at least 50% by optimising your Deployment Pipeline as the only route to production and “the last word” on releasability.
- Have a Deployment Pipeline that optimises for learning, amplifies skills and empowers your development team.

### Content

The Continuous Delivery Deployment Pipeline is a machine for organising the whole software development process. It includes all steps to go from new code to a deployable release, including all tests, version control, fast feedback and automation.

This in-depth course starts with a quick recap of Continuous Delivery principles and will take you through each stage of the Deployment Pipeline:

[How to Build Your Next Deployment Pipeline](#)

[The Commit Cycle](#)

Development Environment, Version Control, Commit Stage, Continuous Integration Strategies, Test Driven Development, and the Artifact Repository

[The Acceptance Cycle](#)

Acceptance Stage, Manual Testing, Performance Testing, Testing Non-Functional Requirements, and Data Migration

[Release Into Production](#)

[The Whole Deployment Pipeline](#)

Infrastructure as Code, Regulation & Compliance, Measuring Success.

We conclude with a Real World Example of a Deployment Pipeline currently in operation for a FinTech project.

**Get Dave’s book - “Continuous Delivery Pipelines”, free when you buy this course.**