Software.Process.Management
software processes that fit your business needs

Agile Software Development with HP Quality Center and HP Agile Manager

Training Description

Overview

This compact training prepares quality managers and testers as well as product owners and project managers for the opportunities and challenges of agile software development. It shows how they can effectively support agile development and quality management with HP Quality Center (HP QC).

Target Groups

Quality Management, Test Management, Product Owner, Project Management

Level

Entry & Advanced

Contents

- Objectives and principles of agile methods
- Overview practices in Scrum and Kanban
- Facets of testing in agile projects
- The new role of testers in agile projects
- Customizing HP QC to support *epics* and *user stories*
- Release planning with HP QC
- Managing backlog and *user stories*
- Progress and process reflection with reporting and analysis capabilities of HP QC
- Scaling to multi team projects – the *Scaled Agile Framework*
- Understand HP Agile Manager
- Transition to agile development with HP QC

Duration

1 Day

Maximum Number of Participants

12 Persons

Summary

Agile software development is becoming widely applied, creating new challenges for quality managing and testing. This is particularly the case, when established test management with HP Quality Center faces new agile practices emerging in software development. Such situations bring previously established testing practices into question. At the same time, HP Quality Center and its seamless integration of requirements, release management, testing, and defect management provides excellent support for agile team collaboration. But how shall application lifecycle processes and their tool support in HP Quality Center optimally be adapted to agile projects?

Quality managers and testers in agile software organizations, just as product owners and project managers, need answers on the following questions:

- How does agile software development work?

- What changes does agile development cause for testing and the testers?

- How does HP QC support agile development?

- How does HP QC support quality management and testing in agile development?

- What support does HP QC provide for planning, defect management, and progress monitoring in agile development?

- How can the transition to agile development be designed, and how can it be extended to multi-team projects?

- What is HP Agile Manager and how is it used for agile development?

This compact training prepares quality managers and testers as well as product owners and project managers for the opportunities and challenges of agile software development. It shows how they can effectively support agile development and quality management with HP QC. The training introduces the foundations of agile development, explains the changes for quality management and testing, and it presents practical methods for testing, quality management and progress monitoring in agile development. Emphasis is placed on how to implement the presented approaches with HP QC and HP Agile Manager.

Participants learn how they can use HP QC in agile development so that development organization, quality management, and testing can collaborate most effectively.

This training is based on HP QC Version 11.5.

Trainer CVs

Dr. **Andreas Birk** is founder and principal consultant of Software.Process.Management. He helps organizations to optimally align their software processes with their business goals. His focus areas are requirements, test management, and software process improvement.

In more than fifteen years in the software industry, Andreas Birk has built a profound understanding how software and IT contribute to sustained business success. He publishes in renowned IT journals and speaks regularly at international conferences.

Gerald Heller is a software process consultant with more than 20 years experience in global software product development. In this context, he has defined and implemented a broad range of development methods with a focus on requirements and test management for iterative incremental development. He has extensive experience in establishing software development processes with integrated support of application lifecycle tools.

Gerald Heller publishes in software engineering magazines and speaks regularly at international conferences.