

**Title**

## **Implementing Agile Testing in an Agile project (case)**

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**Speaker(s)**

Kakkonen, Kari / Endero Oy, Finland

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**To whom is the presentation addressed?**

Individuals who practice or are interested in trying out agile testing - testing professionals, managers

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**Keywords**

Agile, Scrum, Coach, Implementing

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**Abstract**

The case study details how agile testing was chosen and built successfully as part of a new project. The case study is anonymous due to confidentiality, but is very detailed.

The product development team was gathered from developers in our company. Our testing department got involved to bring in more testing knowledge. The team chose Scrum, as it had been the standard way for us for a long time. The customer wanted us to have main responsibility of testing, so we wanted to create a comprehensive testing culture.

An Agile Testing Coach built the testing culture with the agile team. Several alternatives were considered and in the end 2 testers were included in the team to think about the testing from system testing point of view. Heavy testing responsibility was also given to each developer, to be supported by testers.

The objective for testing was defined as helping to reach definition of done and help get publishable software approved by customer in each sprint.

Several testing ideas were used from both agile and plan-driven testing world, and new ones innovated. The joint product backlog and spring backlog system was rigged in SharePoint Server to show the testing status linked to all different task levels. Detailed testing (and other development) tasks were fulfilled by using item checklist cards. Light overall test plan was used, and a small percentage planned test cases were created to be the basis for later test automation. Exploratory testing was used heavily on system test level. Unit test automation was used, and test driven development tried.

Good quality software was delivered from sprint one. Time reserved for exploratory testing tended first to go out of defined time-boxes. Test driven development and test automation in general got a very slow start. Testing was judged very agile. The project was judged to fully conform to Scrum. The testing and the project were a success, and still are, now after 6 sprints.

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## Biography

Mr. Kari Kakkonen (M.Sc.) has been working in software testing, consulting, training, since 1996. His experience includes testing process development and improvement, test manager and testing duties, test automation improvement and implementation, testing training, testing sales and consultancy. He holds a Master's degree in Industrial Management from Helsinki University of Technology. Kari Kakkonen is currently working at Endero (part of KnowIT); a company specialized in testing consultancy and software development. He is the chair of Finnish Software Testing Board (FiSTB) and a member of ISTQB expert level working group.

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## Contact information

Kakkonen, Kari

Endero Oy

Lahnaruohontie 7 B 30

00200 Helsinki

Finland

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