

SUMMARY

“Built-In Quality” is a core value of SAFe®. It is critical for doing Lean-Agile at scale. It is what allows quicker delivery of Business value. One of the key practices in realizing Built-In Quality is Acceptance Test-Driven Development (ATDD) which is also known as Behavior-Driven Development (BDD). This workshop helps an Agile Release Train (ART) quickly come up to speed on ATDD / BDD and how to use it in their context.

DESCRIPTION

This workshop is designed to be completed for an entire Agile Release Train within a one week period. It starts with an interactive workshop for the entire ART (product owners, testers, and developers). This provides a common ATDD/BDD background for everyone. The session demonstrates how to create and use acceptance tests to create a joint understanding of the requirements. It shows how to use these acceptance tests as a communication and verification tool. Following this initial session, each team is provided their own half day session that revolves around their particular environment and stories. These sessions include topics based on the teams’ individual needs and enables them to apply ATDD/BDD into their own practices.

Applying these skills streamlines communication within the organization, decreasing rework, raising customer satisfaction, and promoting trust within the organization. These methods have demonstrated an ability to be able to lower released errors by up to 90%.

This workshop is based on the SAFe®-recommended book, *Lean-Agile Acceptance Test-Driven Development* by Ken Pugh.

For more, see www.scaledagileframework.com/built-in-quality and www.scaledagileframework.com/test-first.

Note: Net Objectives is a contributor to SAFe, especially its discussion of ATDD. While this workshop is neither authorized by Scaled Agile, Inc. nor provides certification related to SAFe, it is consistent with the intent of SAFe.

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WORKSHOP OBJECTIVES

This workshop helps participants understand how to transform requirements accurately into testable specifications. This is a collaborative, efficient manner that minimizes waste. It addresses requirements, specifications, implementation and testing.

LEARNING OBJECTIVES

In this workshop, you will:

- Understand ATDD
- Describe how to turn requirements into acceptance tests
- Identify good acceptance tests
- Describe acceptance tests as a communication vehicle
- Describe how ATDD embodies the core principle of SAFe to “Build Quality In.”

We are ideally suited to deliver this workshop

Net Objectives has been doing Agile at scale since 2004. We have pioneered dozens of practices that have now become commonplace in the Agile community. Some of have become integrated into the SAFe framework and other have not yet such as ATDD and architecture.

The Net Objectives team has been providing thought leadership in eXtreme Programming, Design Patterns, TDD, ATDD, Emergent Design and more for over 15 years, including the publication of multiple award winning books.

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CONTACT US

info@netobjectives.com
1.888.LEAN-244 (1.888.532.6244)

LEARN MORE

www.NetObjectives.com
portal.NetObjectives.com

WORKSHOP OUTLINE

1. Software Development.
 - ATDD and why it is useful
 - The process of ATDD
 - Roles and Responsibilities
2. Acceptance Test Examples: Style, size, scope, clarity
3. The Business Tests: Objectives, scope
4. User Stories and Scenarios
5. Test Anatomy
6. Tables as Tests
7. System Boundary and Tests
8. Test Evaluation: Pitfalls, maintaining scalability, sustainability
9. Retrospective: Issues of transition and motivation

LEVEL

Foundational

TARGET AUDIENCE

Everyone in an Agile Release Train (customers, product managers, business analysts, SMEs, developers and testers).

For the team sessions, it is essential that the development and test team and at least one customer, business analyst, product manager, or SME attend the workshop together.

ATTENDEE MATERIALS

Workshop materials are provided at the start of the workshop in PDF form.

ROOM SETUP AND EQUIPMENT

Students usually sit at tables, 4-6 students per table. If this is not possible, then the room should be lecture-style with extra space between rows.

Flip chart and whiteboard for each 4-6 students plus one for the instructor. A projector with screen.

PREREQUISITES

Participants should have a basic understanding the Scaled Agile Framework®, preferably having taking a SAFe class such as *SAFe for Teams* or *Leading SAFe*.

WORKSHOP LENGTH

Prior to the workshop, there is a one day assessment of the ART on ATDD/BDD. This can be done remotely.

The workshop is structured to take place over one week. It includes:

- One day workshop for the entire ART
- Half day workshops for each team in the ART, two teams per day.

MAXIMUM NUMBER

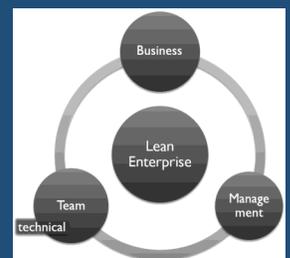
125 people for the entire ART session

Team sizes can vary for the individual team sessions.

If there are more than eight teams in the ART, then a second facilitator can be provided in order to complete the workshop within the week.

NET OBJECTIVES

We are committed to delivering the principles, practices, and perspectives that businesses must know in order to maximize their return on their technology solution and software development efforts. We combine our experience and a time proven approach based on lean thinking to continuously extend the capability of what is possible in creating effective technology delivery organizations (IT or product). We provide these learned methods to our clients to assist them in achieving their goals and in assisting them in making their organizations more successful.



Full course descriptions may be found at
www.NetObjectives.com/training

Lean • Agile • Kanban Patterns •
TDD • ATDD • Assessments •
Consulting Training • Coaching