

Azure DevOps Boards and Test Plans

Training Course

Agilist IT
INFORMATION TECHNOLOGIES

1 Azure DevOps Boards and Test Plans Training Course

1.1 Course Description

This two-day course starts with a fundamentals overview, explaining the entire Azure DevOps platform and all the integrated services it provides. It continues by providing solid practical knowledge and the necessary skills to organize, plan, and manage work across teams using Azure Boards (Work Items, Backlogs, Boards, Work Item Queries and Charts, and Dashboards). Finally, it lays the groundwork for manual testing efforts with Azure Test Plans (Test Plans, Test Cases, Exploratory Testing).

Emphasizing practical application, this course integrates lectures with demonstrations and extensive cloud-based hands-on exercises to navigate the Azure DevOps platform comprehensively. Suitable for both technical and non-technical audiences, this course focuses on the perspective of software development process participants and stakeholders, not going into the technicalities involved in configuring the Azure DevOps environment and developer tools.

1.2 Course Objectives

- Gain a comprehensive overview of the Azure DevOps platform's features and capabilities and understand how its integrated cloud-hosted services interconnect.
- Build foundational knowledge to utilize Work Items and Azure Boards for effective planning, tracking, and discussing work across development efforts.
- Acquire practical skills in using Azure Test Plans to plan, track, and assess quality through planned manual and exploratory testing methods.
- Learn to create detailed and informative bug reports that expedite fast problem resolution.
- Engage in hands-on exercises to practice working with the Azure DevOps services discussed.

1.3 Course Topics

- **Overview of Azure DevOps and its integrated services and how they streamline the development process**
  - DevOps practices and related tools in Azure DevOps
  - Walk-through of Azure Boards, Azure Repos, Azure Pipelines, Azure Test Plans, and Azure Artifacts
- **Fundamentals of Work Item Management and Azure Boards**
  - Process templates, work item types, and work item fields
  - Adding, editing, tagging, and removing work items
  - Linking work items and creating work item hierarchies
  - Finding and querying work items
  - Using Excel for bulk adding and editing work items
  - Practicing working with work items
- **Using the built-in agile tools to visualize, plan, and track work**
  - Working with the Product Backlog
  - Using hierarchical (epics and features) Product backlogs
  - Planning and tracking work using the Sprint Backlog and Taskboards
  - Practicing working with Azure DevOps agile tools
- **Fundamentals of Kanban Boards**
  - Kanban board columns and workflow
  - Comparing Kanban boards with backlogs and Taskboards
  - Practicing working with Kanban Boards
- **Fundamentals of Azure Test Plans**
  - Overview of Test Case Management using Test Plans, Test Suites, and Test Cases
  - Acceptance criteria and acceptance testing
  - Creating and managing Test Cases, parameters, and shared test steps
  - Creating Test Plans and Test Suites
  - Creating and using Test Configurations
  - Testing applications
  - Capturing screenshots and video while testing
  - Viewing and charting test run results
  - Practicing manual testing with Azure Test Plans
- **Performing Exploratory Testing**
  - Using the Test and Feedback browser extension
  - Capturing test steps, screenshots, and video while testing
  - Creating test cases and bugs during exploratory testing
  - Requesting and capturing stakeholder feedback
  - Practicing exploratory testing

1.4 Who Should Attend

If you're a software development professional or stakeholder involved in building complex software products, this course is designed for you. Tailored to offer insights from an end-user perspective, it's equally valuable for technical and non-technical participants and requires no prior technical setup or developer tool interaction.

1.5 Prerequisites

Attendees should understand the basics of working within a software development project. No other knowledge is required.

1.6 What Is Included

- **Digital Course Materials**: Everything you need for the course and beyond, aiding your continued learning journey.
- **Prepared Environment for Hands-on Exercises**: A cloud-based setup to apply what you learn in real-time, ensuring a practical understanding of Azure DevOps services.

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2 About Agilist IT Ltd

2.1 Company Info

Agilist IT Ltd is a consulting and training company specializing in Agile, Scrum, and DevOps. We train, coach, and consult development teams about agile processes to ensure their continuous growth and help them implement DevOps tools that support their everyday workflows. In addition, we introduce new and enhance existing agile, lean, and DevOps practices at all levels within larger organizations to optimize their value streams and deliver higher value to their customers. Agilist IT Ltd is a Microsoft Partner and Scrum.org Professional Training network member.

2.2 Experts

Our experts, Ana Roje Ivančić and Ognjen Bajić, have over 20 years of experience in professional software development and have worked in every role within traditional and agile development processes. Over the years, they have developed a strong competence in DevOps, Agile, and Scrum practices and tools. Because of their unique combination of knowledge and experience in software development with DevOps and Scrum, they offer expert guidance and proven solutions directly applicable to everyday scenarios.

They facilitated agile transformations of companies of various sizes, helping them transition from traditional to modern agile processes. In various engagements, they modeled and supported the transition from loosely coupled development toolsets into integrated DevOps platforms that support end-to-end traceability and fast feedback loops.

Ognjen and Ana are both Professional Scrum Trainers accredited by Scrum.org and Microsoft Most Valuable Professional (MVP) for Development Technologies in the area of DevOps.

2.3 Certified Scrum.Org Courses

Our experts, Ana Roje Ivančić and Ognjen Bajić are licensed to teach the following private and public certified Scrum.org courses:

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