

# Microsoft Visual Studio Testing

## Tools Quick Start (15 Days)

From Strategy to Solution – Driving Results



*Founded in the spirit of innovation and leadership, Imaginet has been committed to helping organizations deliver outstanding business value through the use of technology since 1997. We have a proven track record with over 650 successful ALM customers and reputation for delivering results.*

*Imaginet is Microsoft's 2011 ALM Partner of the Year and a Microsoft Gold Certified Partner with ALM Competency. We have the highest level of expertise with Microsoft technologies and a close working relationship with Microsoft. We also have multiple Microsoft Regional Directors, TFS Rangers, Virtual Technical Specialists, and many Microsoft MVPs on staff. This unique relationship allows us to continually deliver solutions that not only meet today's requirements but are also positioned for the future.*



2011 PARTNER OF THE YEAR  
Application Lifecycle Management  
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Microsoft Visual Studio brings the generalist and specialist testers into the integrated ALM toolset with the goal of aligning QA with the overall lifecycle. This alignment creates tighter interaction between developers and testers and enables highly leveraged QA organizations.

Microsoft Visual Studio includes testing tools that provide:

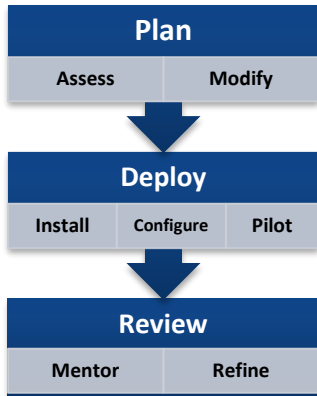
- Test management (Test Suites, Test Cases, Test Execution)
- Manual testing (record and playback – Fast Forward for Manual Testing)
- High fidelity defects (video, screen capture, IntelliTrace™, virtual machine snapshots)
- Virtual machine test lab configuration, management and provisioning
- Microsoft Test Runner for manual testing including fast forward record and playback
- Unit testing of application code and database code
- Automated user interface testing
- Performance testing to allow you to both measure how your application handles under stress but also supports over-time trending to show performance improvement or degradation
- Test Impact Analysis, which recommends which tests should be re-run based on what code has changed since the last test run
- Lab Management, which simplifies the management of creating and managing virtualized test environments by creating new test environments from templates and allowing the tester to checkpoint environments at specific conditions to diagnose issues
- Exploratory testing support

Imaginet's **15-day Microsoft Visual Studio Testing Tools Quick Start** is designed to assist organizations in understanding and implementing Microsoft's testing tools. This is done while establishing ALM best practices and work management processes with the assistance of Visual Studio ALM features and Team Foundation Server (TFS).

The Quick Start includes a high level process assessment, installation and configuration, support, and training for your team. Learn not only the feature and functions but also learn the best use of the tools from an ALM perspective. The training is provided for the full team and then customized for Project Managers, Development leads, Developers, and QA and Testers.

Canada - USA - Worldwide

Imaginet Quick Starts are performed in three distinct phases: Plan, Deploy and Review. In this Microsoft Visual Studio Lab Management Quick Start, this includes:



**Plan** – Establish the current status and vision for virtual test environment management through a process of interviews and physical investigation. We assess opportunities and choose a pilot application and environment to target within your organization.

**Deploy** – Prepare the lab management infrastructure. This includes not only configuring the additional Microsoft TFS components, but also configuring a pilot test environment and build/deploy infrastructure. We work with your team so that you’ll understand how to maintain the infrastructure, configure automated tests, and perform automated deployments.

**Review** – Once successful, we work with you to establish further departmental or organizational adoption of your lab environment and review lab management as part of your application lifecycle.

A typical Imaginet Visual Studio Testing Tools Quickstart is structured as follows.

Pre-Engagement Kick-Off				
Environment Considerations – Pilot Project Considerations – Project Detail Overview				
<b>Day 1</b> Kickoff	<b>Day 2</b> Assessment & Verify TFS	<b>Day 3</b> Pilot Planning Testing Strategy	<b>Day 4</b> Testing Tools Install & Config	<b>Day 5</b> MTM Mentoring
<b>Day 6</b> Test Plan Development	<b>Day 7</b> Test Case Import & Development	<b>Day 8</b> Test Case Development (cont.)	<b>Day 9</b> Defect Import Defect Tracking	<b>Day 10</b> Automated UI Testing
<b>Day 11</b> Automated UI Testing (cont)	<b>Day 12</b> Load/Perf. Testing Overview	<b>Day 13</b> Load/Perf Testing (cont)	<b>Day 14</b> Mentoring Refinement	<b>Day 15</b> Final Review Roadmap

The benefits of Imaginet’s Microsoft Visual Studio Testing Tools Quick Start include:

- **Experience.** Imaginet’s Visual Studio team have designed, deployed, and mentored organizations on the Visual Studio ALM tools and have real world experience with this tool.
- **Working TFS Environment.** Your Manual & Automated Testing environment will be installed and configured with industry leading best practices and Microsoft Certified Consultants.
- **Integrated Best Practices.** Our consultant will ensure that best practices are tailored for your environment and integrate with organizational processes throughout the project.
- **Just In Time Education.** Learn the skills you need for your environment with no lag between the learning and the implementation of knowledge.
- **Customized Tailored Learning.** Our consultant can focus on those topics that are most relevant to your environment, team, and solution rather than broad coverage of topics that may not be relevant.
- **Flexible Engagement Models.** Imaginet is there to do the work, assist and guide, but your team is ensured that they get the hands-on experience required to be successful.