

# Unit Testing Overview

dotTEST helps you improve the quality of your tests and ensure compliance with your unit testing policy in a number of ways.

From Visual Studio, you can:

- **Run unit tests** created with the NUnit, MSTest, and xUnit frameworks
- **Collect coverage** information for NUnit, MSTest, and xUnit tests (see [Viewing Coverage](#))
- **Report results** about unit test execution to DTP
- **Import data** from nightly build test execution to review coverage and discover recommendations for improving your tests. See [Importing Unit Test Findings](#) and [Working with Unit Test Findings](#) for details.

dotTEST ships with the following test configurations that allow you to run tests from Visual Studio:

- Run `VSTest Tests` (executes NUnit<sup>1</sup>, MSTest, and xUnit tests)
- Run `VSTest Tests with Coverage` (executes NUnit<sup>1</sup>, MSTest, and xUnit tests and collects coverage information)

For details about about support for unit testing frameworks, see [Unit Testing](#) in the Automation User Guide.

<sup>1</sup> dotTEST ships with legacy test configurations that allow you to only run NUnit tests (see [Built-in Test Configurations](#)). However, we strongly recommend executing your NUnit test with the VSTest test configurations.