

# VsTestRunner Plugin

## Plugin Information

View VSTest Runner [on the plugin site](#) for more information.

This plugin allow you to execute test using [VsTest](#) command line tool.

## Description

This plugin allow you to execute test using [VsTest](#) command line tool. VSTest are test classes for .NET framework which are integrated into Visual Studio.

## Configuration

### System configuration

#### VSTest

VSTest installations

The screenshot shows the Jenkins configuration page for the VSTest plugin. On the left, there is a sidebar with 'VSTest installations' and a list containing 'VSTest'. The main area has a form for adding a new installation. The 'Name' field contains 'VSTest(12.0)'. The 'Path to VSTest' field contains 'C:\Program Files (x86)\Microsoft Visual Studio 14.0\Common7\IDE\CommonExtensions\Microsoft\TestWindow\vstest.console.exe'. Below this path, a yellow warning triangle icon is followed by the text: 'C:\Program Files (x86)\Microsoft Visual Studio 14.0\Common7\IDE\CommonExtensions\Microsoft\TestWindow\vstest.console.exe is not a directory on the Jenkins master (but perhaps it exists on some agents)'. There is an 'Install automatically' checkbox which is currently unchecked. At the bottom right of the form is a red 'Delete VSTest' button. Below the form, there is another 'Add VSTest' button and the text 'List of VSTest installations on this system'.

1. Open the system configuration page "Manage JenkinsGlobal Tool Configuration"
  2. Enter the path to the VsTest command line client, that should be used by Jenkins.
- The path location is as instance: C:\Program Files (x86)\Microsoft Visual Studio 14.0\Common7\IDE\CommonExtensions\Microsoft\TestWindow\vstest.console.exe.

### Job configuration

**Run unit tests with VSTest.console**

VsTest Version: Visual Studio 2012

Test Files: UnitTest1.dll, UnitTest2.dll

Settings File: [Empty]

Test Name: [Empty]

Test Case Filter: [Empty]

Enable Code Coverage:

Insolation:

Use Vsix Extensions:

Platform:

- x86
- x64
- ARM
- Other [Empty]
- None

.NET Framework Version:

- .NET Framework 3.5
- .NET Framework 4.0
- .NET Framework 4.5
- Other [Empty]
- None

Specify a logger for test results:

- trx
- Other [Empty]
- None

Command Line Arguments: [Empty]

Fail build on test failure:

[Delete]

name	description
VsTest Version	Select VsTest Version.
Test Files	Specify the path to your VsTest compiled assemblies. You can specify multiple test assemblies by separating them with new-line or space.
Settings File	Run tests with additional settings such as data collectors.
Test Name	Run tests with names that match the provided values. To provide multiple values, separate them by commas.
Test Case Filter	Run tests that match the given expression. <Expression> is of the format <property>=<value> <a href="#">VsTestRunner Plugin</a> .
Enable Code Coverage	Enables data diagnostic adapter CodeCoverage in the test run.
Insolation	Runs the tests in an isolated process.
Use Vsix Extensions	This makes vstest.console.exe process use or skip the VSIX extensions installed (if any) in the test run.
Use VS 2017 or Later	This makes changes to the arguments passed to the VS Test Agent in order to ensure compatibility with the latest version.
Platform	Target platform architecture to be used for test execution.
.NET Framework Version	Target .NET Framework version to be used for test execution.
Specify a logger for test results.	Specify a logger for test results. For example, to log results into a Visual Studio Test Results File (TRX) use /Logger:trx.
Command Line Arguments	This is a whitespace separated list of command line arguments you can specify. These can be the same as if you were to run VsTest from the command line.
Fail build on test failure	Fail build on test failure

# Changelog

## Version 1.0.5 (10/24/2017)

- To be updated with description of changes and links to the resolved issues.

## Version 1.0.4 (08/31/2014)

- Make trx and coverage files paths available to further build steps in VSTestRunner plugin. ([JENKINS-22450](#))([Pull Requests #2](#))

## Version 1.0.3 (10/21/2013)

- Changed to extend BuildStepDescriptor. ([Pull Requests #1](#))

## Version 1.0.2 (07/24/2013)

- Supports Jenkins variable.  
I can be used in the following items.
  - Test Files
  - Settings File
  - Test Name
  - Test Case Filter
  - Command Line Arguments
- I Fixed a bug that was not used by the "Command Line Arguments".

## Version 1.0.1 (03/09/2013)

Mod default value.

- Platform Field: None
- .NET Framework Version Field: None
- Specify a logger for test results. Field: trx

## Version 1.0.0 (01/29/2013)

Initial release.