

MSBuild

This page contains reference information for the MSBuild Build Runner fields.



The MSBuild runner requires .Net Framework or Mono installed on the build agent. [Microsoft Build Tools 2013-2017](#) are supported.

Before setting up a build configuration to use MSBuild as the build runner, make sure you are using an XML build project file with the MSBuild runner.

To build a Microsoft Visual Studio solution file, you can use the [Visual Studio \(sln\)](#) build runner.

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General Build Runner Options

Option	Description
Build file path	Specify the path to the solution to be built relative to the build checkout directory . For example: <div style="border: 1px solid #ccc; padding: 5px; margin: 5px 0;">vs-addin\addin\addin.sln</div>
Working directory	Optional. Specify the path to the build working directory if it differs from the build checkout directory .
MSBuild version	Select the MSBuild version: .NET Framework, Mono xbuild or Microsoft Build Tools.
MSBuild ToolsVersion	Specify here the version of tools that will be used to compile (equivalent to the <code>/toolsversion:</code> commandline argument). <div style="border: 1px solid #ccc; padding: 5px; margin: 5px 0;"> MSBuild supports compilation to older versions, thus you may set MSBuild version as 4.0 with MSBuild ToolsVersion set to 2.0 to produce .NET 2.0 assemblies while running MSBuild from .NET Framework 4.0. For more information, refer to http://msdn.microsoft.com/en-us/library/bb383796(VS.100).aspx</div>
Run platform	From the drop-down list select the desired execution mode on a x64 machine.
Targets	A target is an arbitrary script for your project purposes. Enter targets separated by spaces. The available targets can be viewed in the Web UI by clicking the icon next to the field and added by checking the appropriate boxes.
Command line parameters	Specify any additional parameters for <code>MSBuild.exe</code> .
Reduce test failure feedback time	Use this option to instruct TeamCity to run the tests which failed in the previous builds before others.

Code Coverage

To learn about configuring code coverage options, please refer to the [Configuring .NET Code Coverage](#) page.

Implementation notes

MSBuild runner generates an MSBuild script that includes user's script. This script is used to add TeamCity-provided MSBuild tasks. Your MSBuild script will be included with the `<Import>` task. If you specified a Visual Studio solution file, it will be called from the `<MSBuild>` task. To disable it, set `teamcity.msbuild.generateWrappingScript` to `false`.

See also:

Concepts: [Build Runner](#) | [Build Checkout Directory](#)
Administrator's Guide: [NUnit for MSBuild](#) | [MSBuild Service Tasks](#)