

NAnt

TeamCity supports NAnt starting from version 0.85.



The TeamCity NAnt runner requires .Net Framework or Mono installed on the build agent.

MSBuild Task for NAnt

TeamCity NAnt runner includes a task called `msbuild` that allows NAnt to start MSBuild scripts. TeamCity `msbuild` task for NAnt has the same set of attributes as the [NAntContrib package](#) `msbuild` task. The MSBuild build processes started by NAnt will behave exactly as if they were launched by TeamCity MSBuild/SLN2005 build runner (i.e. `NUnit` and/or `NUnitTeamCity` MSBuild tasks will be added to build scripts and logs and error reports will be sent directly to the build server).



`msbuild` task for NAnt makes all build configuration system properties available inside MSBuild script. Note, all property names will have '.' replaced with '_'. To disable this, set `false` to `set-teamcity-properties` attribute of the task.

By default, NAnt `msbuild` task checks for current value of NAnt `target-framework` property to select MSBuild runtime version. This parameter could be overridden by setting `teamcity_dotnet_tools_version` project property with required .NET Framework version, i.e. "4.0".

```
...
<!-- this property enables MSBuild 4.0 -->
<property name="teamcity_dotnet_tools_version" value="4.0"/>
<msbuild project="SimpleEcho.v40.proj">
  ...
</msbuild>
...
```



To pass properties to MSBuild, use the `property` tag instead of explicit properties definition in the command line.

<nunit2> Task for NAnt

To test all of the assemblies without halting on first failed test please use:

```
<target name="build">
  <nunit2 verbose="true" haltonfailure="false" failonerror="true" failonfailureatend="true">
    <formatter type="Plain" />
    <test haltonfailure="false">
      <assemblies>
        <include name="dll1.dll" />
        <include name="dll2.dll" />
      </assemblies>
    </test>
  </nunit2>
</target>
```



'failonfailureatend' attribute is not defined in the original `NUnit2` task from NAnt. Note that this attribute will be ignored if the 'haltonfailure' attribute is set to 'true' for either the `nunit2` element or the `test` element.

Below you can find reference information about NAnt Build Runner fields.

General Options

Option	Description
Path to a build file	Specify path relative to the Build Checkout Directory .
Build file content	Select the option, if you want to use a different build script than the one listed in the settings of the build file. When the option is enabled, you have to type the build script in the text area.
Targets	Specify the names of build targets defined by the build script, 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.
Working directory	Specify the path to the Build Working Directory . By default, the build working directory is set to the same path as the build checkout directory .
NAnt home	Enter a path to the <code>NAnt.exe</code> . <div style="border: 1px solid green; padding: 5px; margin-top: 10px;"> Here you can specify an absolute path to the <code>NAnt.exe</code> file on the agent, or a path relative to the checkout directory. Such relative path allows you to provide particular <code>NAnt.exe</code> file to run a build of the particular build configuration.</div>
Target framework	Sets <code>-targetframework:</code> option to 'NAnt' and generates appropriate agent requirements (mono-2.0 target framework will require Mono system property, net-2.0 — <code>DotNetFramework2.0</code> property, and so on). Selecting unsupported in TeamCity framework (sscli-1.0, netcf-1.0, netcf-2.0) won't impose any agent requirements. <div style="border: 1px solid red; padding: 5px; margin-top: 10px;"> This option has no effect on framework which used to run <code>NAnt.exe</code>. <code>NAnt.exe</code> will be launched as ordinary exe file if .NET framework was found, and through mono executable, if not.</div>
Command line parameters	Specify any additional parameters for <code>NAnt.exe</code> <div style="border: 1px solid green; padding: 5px; margin-top: 10px;"> TeamCity passes automatically to NAnt all defined system properties, so you do not need to specify all of the properties here via '-D' option.</div>
Reduce test failure feedback time	Use following option to instruct TeamCity to run some tests before others.
Run recently failed tests first	If checked, in the first place TeamCity will run tests failed in previous finished or running builds as well as tests having high failure rate (a so called blinking tests)

Code Coverage

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

See also:

Concepts: [Build Runner](#) | [Build Checkout Directory](#) | [Build Working Directory](#)
Administrator's Guide: [Configuring Build Parameters](#)