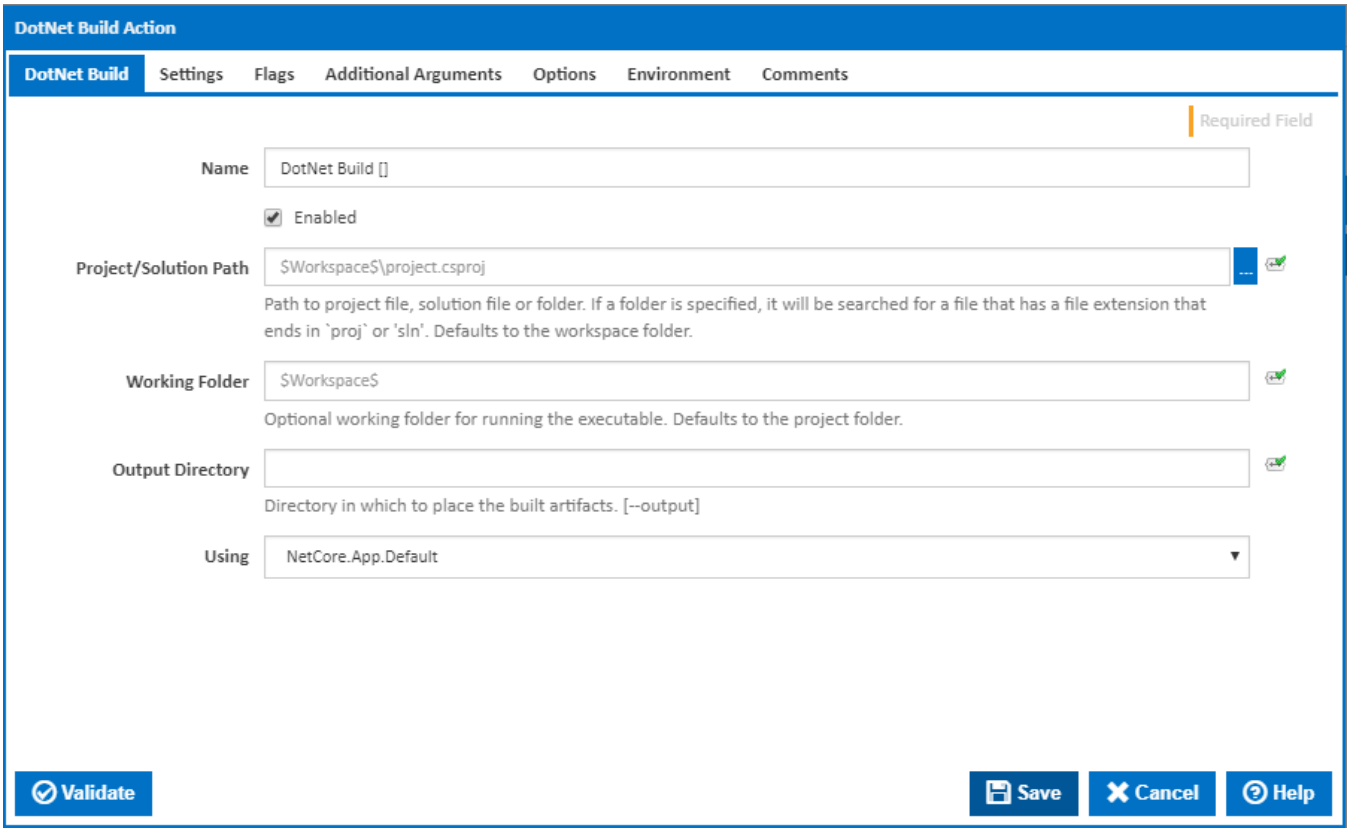
DotNet Build Action

The DotNet Build action in Continua CI is a wrapper around the .Net Core command line tools. If you're having trouble using the DotNet Build action, please refer to the .NET Core Command Line Tools documentation.

The DotNet Build action is used to build .Net Core projects. [dotnet build]

DotNet Build



Name

A friendly name for this action (will be displayed in the actions workflow area).

Enabled

Determines if this action will be run within the relevant stage.

Project/Solution Path

Path to project file, solution file or folder. If a folder is specified, it will be searched for a file that has a file extension that ends in `proj` or 'sln'. Defaults to the workspace folder.

Working Folder

The working folder while running the command line. This defaults to the workspace folder.

Output Directory

The path to the folder in which to place the build binaries. Relative paths will be anchored to the workspace folder.

Using

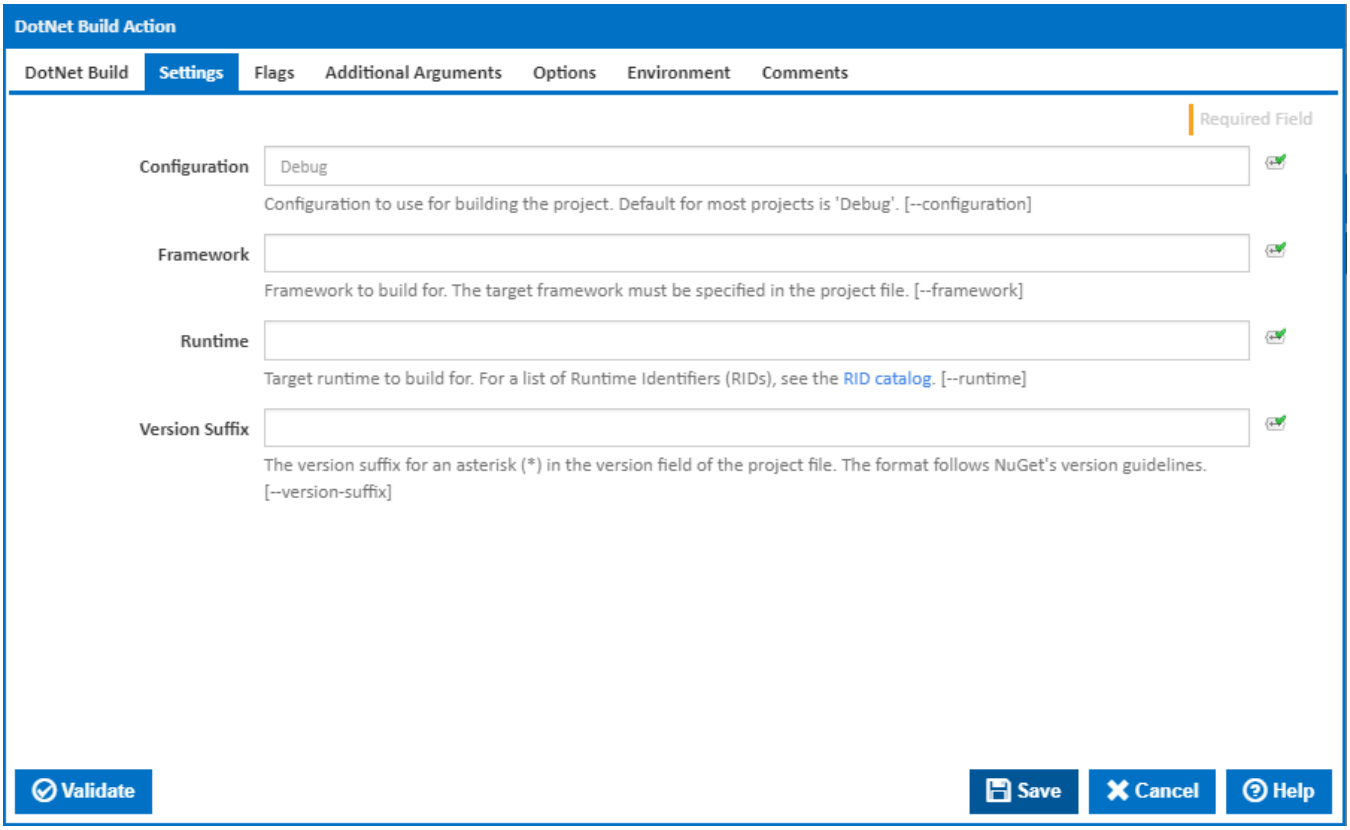
The Using drop down is populated with any property collector whose namespace matches the pattern defined by the DotNet CLI actions. The pattern for this action is `^DotNet.Cli.*`

If you create a property collector for this action, make sure you select the **Path Finder PlugIn** type and give it a name that will match the pattern above in blue. Example names listed here, search the table's Plugin column for "**DotNet Build**".

For more in-depth explanations on property collectors see Property Collectors.

Alternatively, you can select the **Custom** option from the Using drop down list and specify a path in the resulting input field that will be displayed. Please read Why it's a good idea to use a property collector before using this option.

Settings



Configuration

The configuration under which to build. This defaults to "Debug" if left empty. [--configuration]

Framework

The name of the framework to compile for. The framework must also be defined in the project.json file. [--framework]

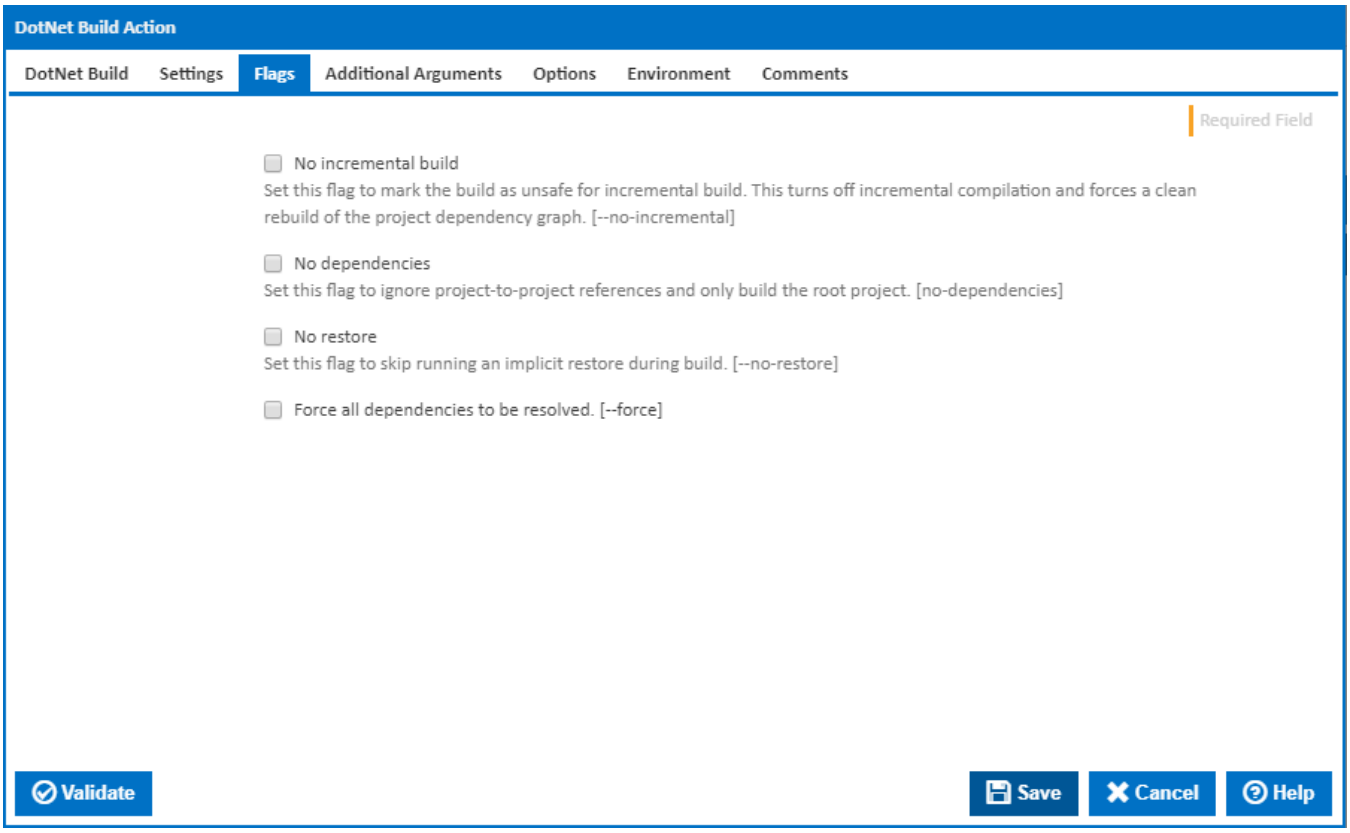
Runtime

Target runtime to build for. For a list of Runtime Identifiers (RIDs), see the RID catalog. [--runtime]

Version Suffix

This can be used to replace a wildcard * in the version field in the project.json file. The format follows NuGet's version guidelines. [--version-suffix]

Flags



No incremental Build

Set this flag to mark the build as unsafe for incremental build. This turns off incremental compilation and forces a clean rebuild of the project dependency graph. [--no-incremental]

No dependencies

Set this flag to ignore project-to-project references and only build the root project. [--no-dependencies]

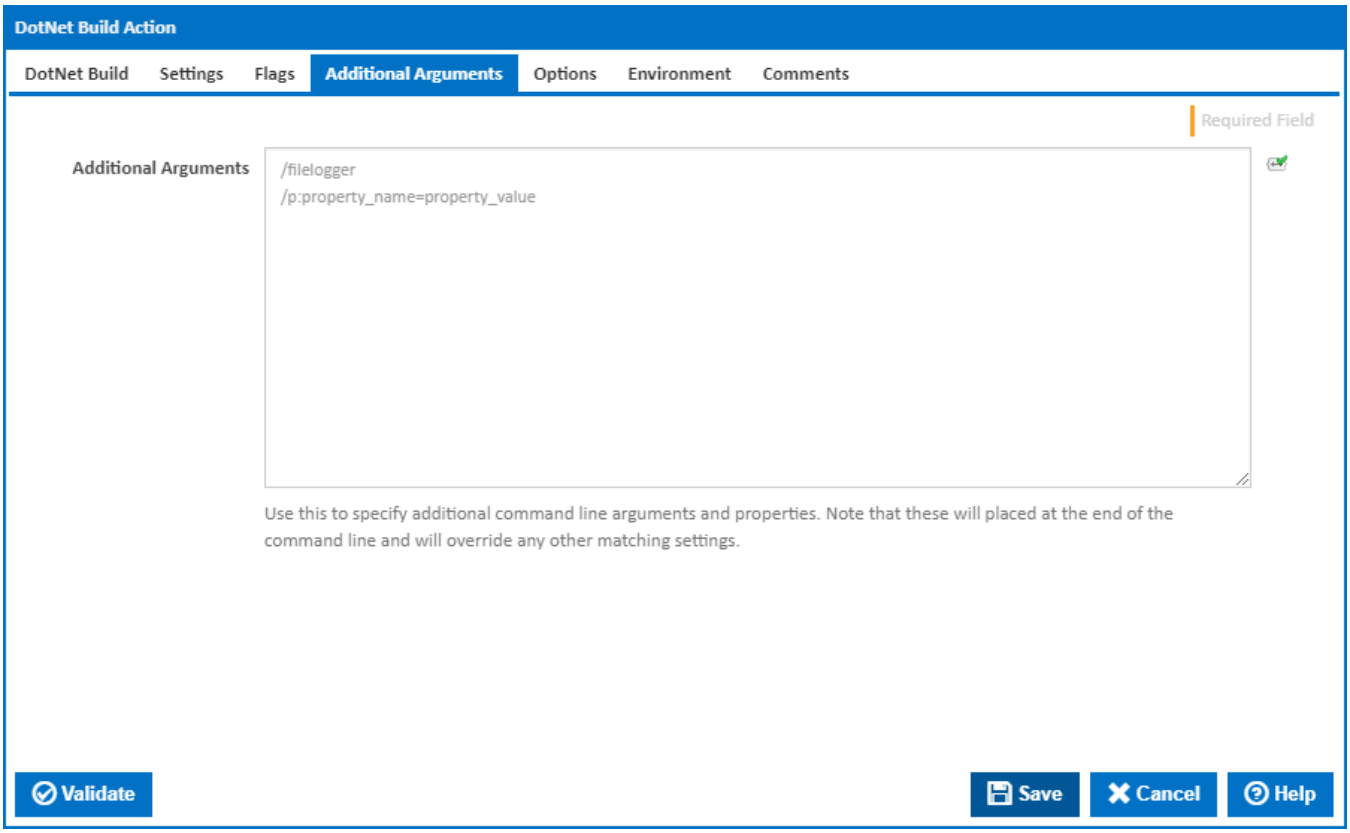
No Restore

Set this flag to skip running an implicit restore during build. [--no-restore]

Force all dependencies to be resolved.

Set this flag to force all dependencies to be resolved even if the last restore was successful. It is the same as deleting the *project.assets.json* file. [--force]

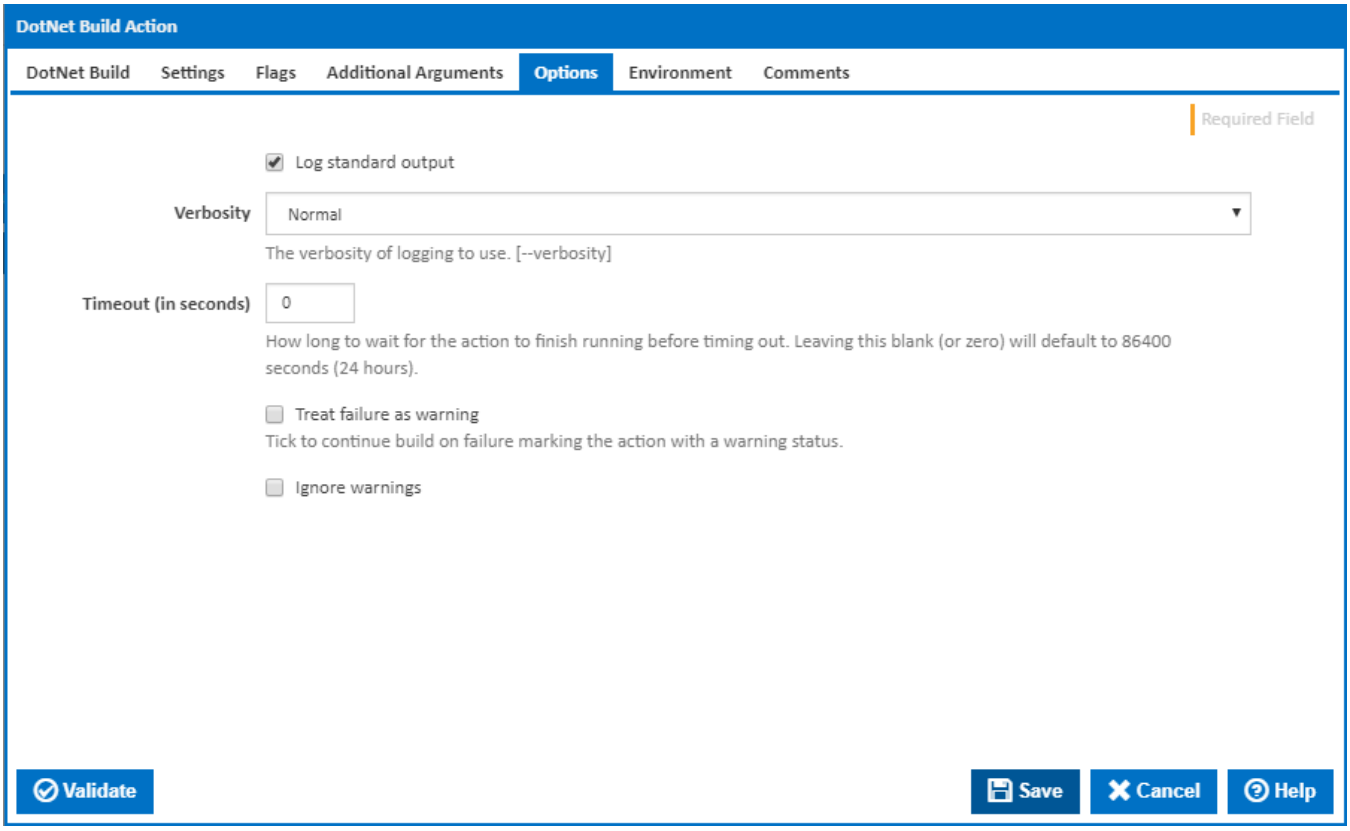
Additional Arguments



Additional Arguments

Use this to specify additional MSBuild command line arguments and properties. Note that these will placed at the end of the command line and will override any other matching settings.

Options



Log standard output

If this is ticked, the command line output is written to the build log.

Verbosity

The amount of information detail to display in the build log. [--verbosity]

Timeout (in seconds)

How long to wait for the action to finish running before timing out. Leaving this blank (or zero) will default to 86400 seconds (24 hours).

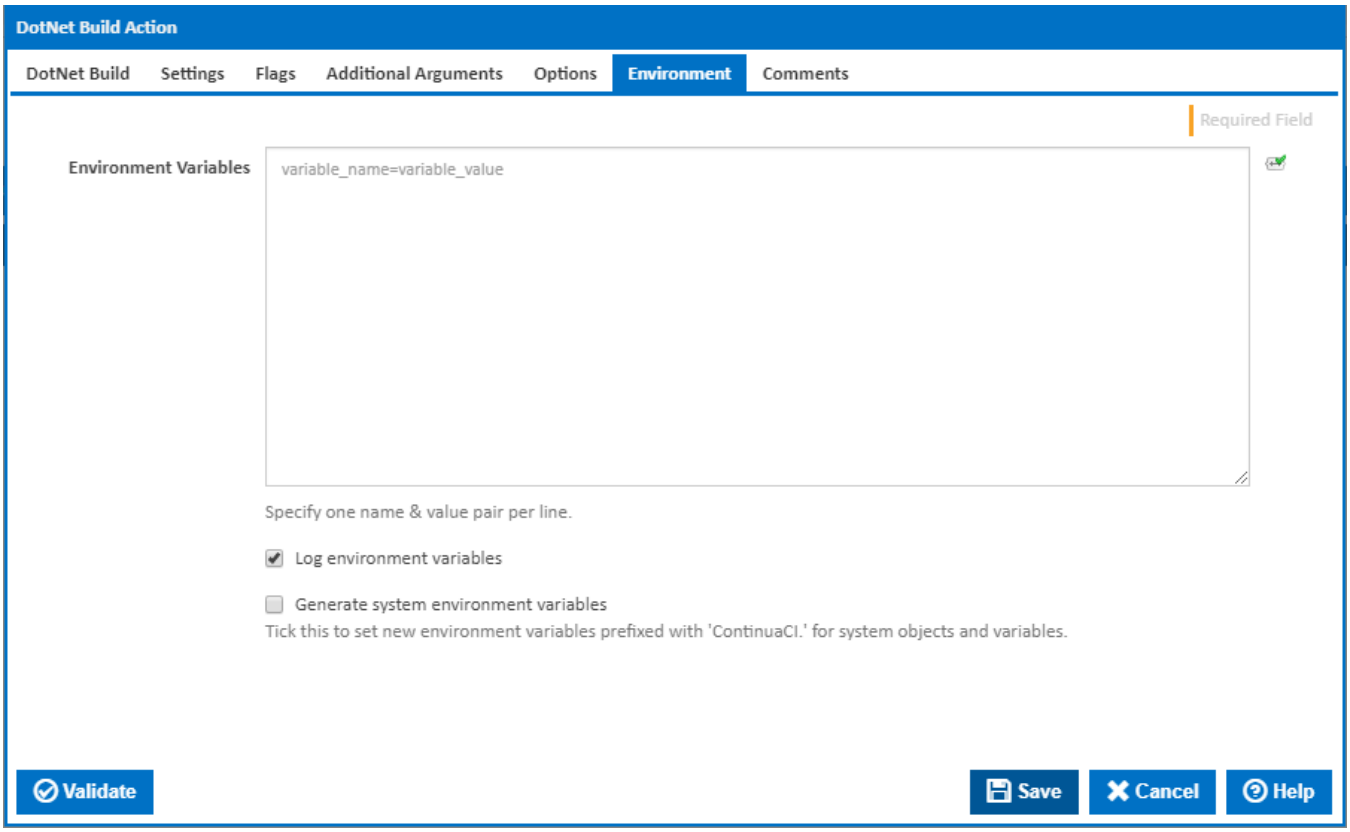
Treat failure as warning

Tick to continue build on failure marking the action with a warning status.

Ignore warnings

If this is ticked, any warnings logged will not mark the action with a warning status.

Environment



Environment Variables

Multiple environment variables can be defined - one per line. These are set before the command line is run.

Log environment variables

If this is ticked, environment variable values are written to the build log.

Generate system environment variables

Tick this checkbox to set up a list of new environment variables prefixed with 'ContinuaCI.' for all current system expression objects and variables.

Mask sensitive variable values in system environment variables

This checkbox is visible only if the '**Generate system environment variables**' checkbox is ticked.

If this is ticked, the values of any variables marked as sensitive will be masked with **** when setting system environment variables. Clear this to expose the values.