

DotNet Restore Action



The DotNet Restore action in Continuum CI is a wrapper around the .Net Core command line tools. If you're having trouble using the DotNet Restore action, please refer to the [.NET Core Command Line Tools documentation](#).

The DotNet Restore action is used to restore the dependencies and tools of a .Net Core project.

DotNet Restore

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Required Field

Name

DotNet Restore []

☒ Enabled

Project Path

\$Workspace\$\project.csproj

...

✓

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

Working Folder

\$Workspace\$

✓

Optional working folder for running the executable. Defaults to the project folder.

Using

NetCore.App.Default

▼

✓ Validate

Save

Cancel

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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 Path

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

Working Folder

Optional working folder for running the executable. Defaults to the project 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 Restore"**.

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.

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Package Sources

One or more NuGet package sources to use during the restore operation. This overrides all of the sources specified in the NuGet.config file(s). [--source]

Runtimes

One or more target runtimes to restore packages for. This is used to restore packages for runtimes not explicitly listed in the tag in the .csproj file. For a list of Runtime Identifiers (RIDs), see the [RID catalog](#). [--runtime]

Packages Directory

\$Workspace\$\Project

Directory to install packages in. If not specified, the default NuGet package cache is used, which is found in the .nuget/packages directory under agents home directory. [--packages]

Configuration File

\$Workspace\$\NuGet.config

The NuGet configuration file (NuGet.config) to use for the restore operation. [--configuration]

Validate

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Package Sources

One or more NuGet package sources to use during the restore operation. This overrides all of the sources specified in the NuGet.config file(s). [--source]

Runtimes

One or more target runtimes to restore packages for. This is used to restore packages for runtimes not explicitly listed in the tag in the .csproj file. For a list of Runtime Identifiers (RIDs), see the [RID catalog](#). [--runtime]

Packages Directory

Directory to install packages in. If not specified, the default NuGet package cache is used, which is found in the .nuget/packages directory in the user's home directory/. [--packages]

Configuration File

The NuGet configuration file (NuGet.config) to use for the restore operation. [--configuration]

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Required Field

☒ Enable restoring multiple projects in parallel.
Untick to disable parallel restoring. [--disable-parallel]

☐ Ignore failed sources
Only warn on failed sources if there are packages meeting a version requirement. [--ignore-failed-sources]

☒ Cache packages and http requests.
Untick to disable caching. [--no-cache]

☐ Ignore dependencies.
Tick this to ignore project-to-project (P2P) references and only build the root project. [--no-dependencies]

☐ Force all dependencies to be resolved even if the last restore was successful. [--force]

☒ Validate

Enable restoring multiple projects in parallel

If this is ticked, multiple restore operations are run concurrently. [--disable-parallel]

Ignore failed sources

If this is ticked, DotNet Restore will only warn on failed sources if there are packages meeting a version requirement. [--ignore-failed-sources]

Cache packages and HTTP requests

If this is ticked, packages and HTTP requests are cached. [--no-cache]

Ignore dependencies

Tick this to ignore project-to-project (P2P) references and only build the root project. [--no-dependencies]

Force all Dependencies to be resolved even if the last restore was successful.

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

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Additional Arguments

Required Field

/filelogger

/p:property_name=property_value

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

Validate

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Additional Arguments

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

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Comments

Required Field

☒ Log standard output

Verbosity

Normal

The verbosity of logging to use. [--verbosity]

Timeout (in seconds)

0

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

☒ Validate

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

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Environment Variables

Required Field

variable_name=variable_value

Specify one name & value pair per line.

☒ Log environment variables

☐ Generate system environment variables

Tick this to set new environment variables prefixed with 'ContinuaCI.' for system objects and variables.

Validate

Save

Cancel

Help

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.