


NuGet Restore Action

 The NuGet actions in Continua are a wrapper around the nuget command line. If you're having trouble using any of the NuGet actions, please refer to the [Command Line Reference](#).

The NuGet Restore action is used to populate a set of NuGet packages on the build server (usually prior to these packages being built into your project).

NuGet Restore

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Required Field

Name

NuGet Restore []

☒

Enabled

Project Path

SSource.YourRepo\$project\solution.sln

...

?

✓

The path to a solution, packages.config or MSBuild project file

Packages Directory

C:\Program Files\MyApp

?

✓

Specify the folder in which the packages are installed. [-PackagesDirectory]

Solution Directory

C:\Program Files\MyApp

?

✓

Specify the solution directory. Not valid when restoring packages for a solution file (specified as the Project Path). [-SolutionDirectory]

Command Line Version

Latest

Using

NuGet.Default

✓ Validate

Save

Cancel

Help

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

The path to a solution, packages.config or MSBuild project file.

Packages Directory

Specify the folder in which the packages are installed. [-PackagesDirectory]

Solution Directory

Specify the solution directory. Not valid when restoring packages for a solution file (specified as the Project Path). [-SolutionDirectory]

Command Line Version

Select the version of the NuGet command line that is installed on the agent. Some other settings and options may be unavailable depending which the command line version is selected.

Using

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

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 "NuGet 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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Sources

source_a

source_b

source_c

A list of package source feeds to use. One source per line. [-Source]

Fallback Sources

source_d

source_e

A list of package sources to use as fallbacks in case the package isn't found in any of the primary or default sources. One source per line. [-FallbackSource]

Package Save Mode

None

The type of files to save after package installation. [-PackageSaveMode]

☒ Use cache

Use the machine cache as the first package source. Untick this to apply the -NoCache argument.

☐ Download directly without populating any caches with metadata or binaries. [-DirectDownload]

Validate

Save

Cancel

Help

Sources

An optional list of NuGet Feed package sources (the default source location is [nuget.org](#)). [-Source]

Fallback Sources

A list of package sources to use as fallbacks in case the package isn't found in any of the primary or default sources. One source per line. [-FallbackSource]

Package Save Mode

The type of files to save after package installation. [-PackageSaveMode]

Use cache

If this is ticked, the local package Cache is checked first before going to NuGet or external sources. [-NoCache]

Download directly without populating any caches with metadata or binaries

Downloads packages directly without populating caches with any binaries or metadata. [-DirectDownload]

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MSBuild Version

15.9

Required Field

The version of MSBuild use with this command. Leave blank to default to the MSBuild executable in your path, or otherwise the highest installed version of MSBuild. [-MSBuildVersion]

MSBuild Path

SAgent.MSBuild.16.0.Path\$

The path to the MSBuild executable to use with the command. This takes precedence over the MSBuild Version. [-MSBuildPath]

☐ Recursive

Restores all references projects for UWP and .NET Core projects. Does not apply to projects using packages.config.

Project To Project Timeout

0

Specifies the timeout for resolving project-to-project references in seconds. Leave blank or zero to use default. [-Project2ProjectTimeOut]

Validate

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MSBuild Version

The version of MSBuild to use with this command. Leave blank to default to the MSBuild executable in your path, or otherwise the highest installed version of MSBuild. [-MSBuildVersion].

MSBuild Path

The path to the MSBuild executable to use with the command. This takes precedence over the MSBuild Version. [-MSBuildPath].

Recursive

Restores all references projects for UWP and .NET Core projects. Does not apply to projects using packages.config.

Project To Project Timeout

Specifies the timeout for resolving project-to-project references in seconds. Leave blank or zero to use default. [-Project2ProjectTimeOut]

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Configuration File

C:\Program Files\MyApp\nuget.config

...

Required Field

A specific NuGet configuration file to use. If omitted, %appdata%\NuGet\nuget.config is used. [-ConfigFile]

☐ Require consent

Checks if package restore consent is granted before restoring a package. [-RequireConsent]

☐ Disable parallel processing

Tick to disable installing multiple packages in parallel. [-DisableParallelProcessing]

☐ Force

Force all dependencies to be resolved even if the last restore was successful. This is equivalent to deleting project.assets.json. Does not apply to projects using packages.config. [-Force]

☒ Enable package restore

Sets the EnableNuGetPackageRestore environment variable.

Validate

Save

Cancel

Help

Configuration File

Location of the nuget.config file within your source control.

Require Consent

As of NuGet version 2.0 a privacy-related constraint option for restores from introduced. When ticked NuGet will check to see if package restore consent has been granted before installing package(s). If ticked NuGet will look for the presence of the following within your NuGet.config file (if not present a build error will occur). [-RequireConsent]

```
<packageRestore>
  <add key="enabled" value="true" />
</packageRestore>
```

For further information on the NuGet require consent feature please see the [NuGet documentation](#).

Disable Parallel Processing

Tick to disable installing multiple packages in parallel. [-DisableParallelProcessing]

Force

Force all dependencies to be resolved even if the last restore was successful. This is equivalent to deleting project.assets.json. Does not apply to projects using packages.config. [-Force]

Enable Package Restore

When ticking this checkbox, it adds the relevant system environment variable 'EnableNuGetPackageRestore = true'. This is the equivalent of clicking "Allow NuGet to download missing packages during build" ticked within Visual Studio.

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Required Field

Verbosity

Normal

☐ Force English output

Forces the command line to run using an invariant, English-based culture. [-ForceEnglishOutput]

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

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Log standard output

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

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.