

Base Configuration Settings

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local.storage.dir

This setting specifies where analysis-related data should be stored (temporary data, data caches etc.)

Acceptable Values

[path]	The path to the folder where the data will be saved.
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Example Usage

The following configuration stores the data in the `temp` folder:

```
local.storage.dir=C:\\parasoft\\temp
```

console.verbosity.level

This setting determines the amount of detail output to the console during analysis.

Acceptable Values

low	Errors and basic information about the current steps and status (done, failed, up-to-date) are shown.
normal	Default. Shows the same information as the low setting, but also includes command lines executed and issues reported during test and analysis.
high	Shows the same information as normal, but also includes warnings.

Example Usage

The following configuration outputs the most detail about the execution:

```
console.verbosity.level=high
```

Related

- [Contacting Parasoft Technical Support](#)
-

parallel.mode

This determines which parallel processing mode is used. You may want to configure this setting to optimize testing and analysis execution according to your build schedule in CI environments.

Acceptable Values

disabled	Only one of the available CPUs
auto	Default. Allows the tool to control parallel processing settings.
manual	Allows you to manually configure parallel processing settings to suit your specific needs.

Example Usage

The following configuration disables parallel processing.

```
parallel.mode=disabled
```

Related

- [Integrating with CI Tools](#)
-

parallel.no_memory_limit

This setting enables/disables additional limits on the memory consumed by parallel processing.

Acceptable Values

true	There will be no additional limits on the memory consumed by parallel processing.
false	Default. Memory consumption associated with parallel processing will be limited.

Example Usage

The following configuration allows for unlimited memory consumption by parallel processes (within system limits).

```
parallel.no_memory_limit=true
```

Related

- [Integrating with CI Tools](#)
-

parallel.free_memory_limit

This setting specifies the amount of memory that should be kept free in low memory conditions to ensure that free memory is available for other processes.

Acceptable Values

[percentage]	The percentage of the total memory available for the application. The default is 25.
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Example Usage

The following configuration ensures that 30% of the total memory of the application will be available for other processes.

```
parallel.free_memory_limit=30
```

parallel.max_threads

This setting specifies the maximum number of parallel threads that can be executed simultaneously. The actual number of parallel threads is determined by the number of CPUs, available memory, and license settings.

Acceptable Values

[number]

The maximum number of simultaneously executed parallel threads. The default value is equal to the number of CPUs.

Example Usage

The following configuration allows you to simultaneously execute two parallel threads:

```
parallel.max_threads=2
```

file.encoding.mode

This setting specifies how file encoding is determined.

Acceptable Values

default	Enables use of system properties.
auto	Enables automatic detection of encoding for the Far-East languages specified with the file.encoding.lang property.
user	Enables use of specified encoding by the file.encoding.name property.

Example Usage

The following configuration enables file encoding based on the system settings:

```
file.encoding.mode=default
```

file.encoding.lang

This setting allows you to specify the language that will be automatically detected for file encoding. It requires the [file.encoding.mode](#) property to be set to `auto`.

Acceptable Values

1	Japanese
2	Chinese
3	Simplified Chinese
4	Traditional Chinese
5	Korean

Example Usage

The following configuration enables Japanese encoding:

```
file.encoding.mode=auto  
file.encoding.lang=1
```

file.encoding.name

This setting allows you to configure file encoding other than specified in the system settings. It requires the [file.encoding.mode](#) property to be set to `user`.

Acceptable Values

[encoding name]	The name of the encoding, for example ASCII-US, UTF-8, UTF-16, UTF-16LE, UTF-16BE.
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Example Usage

The following configuration enables encoding in UTF-16.

```
file.encoding.mode=user  
file.encoding.name=UTF-16
```

settings.validation

This setting enables/disables settings validation.

Acceptable Values

true	Default. Errors in the settings format will be reported.
false	Errors in the settings format will not be reported.

Example Usage

The following configuration disables reporting errors in the settings format:

```
settings.validation=false
```

settings.rules.file.dottest

This setting specifies the path to a file that contains additional rules for settings validation. The file should follow the `.properties` format and list the settings with their valid values (see [Example Usage](#) for details about the pattern).

Acceptable Values

[path]	The path to file that contains additional rules for settings validation.
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Example Usage

The following configuration points to the settings in the `new_setting_rules.properties` file:

```
settings.rules.file.dottest=C:\\parasoft\\jtest\\new_setting_rules.properties
```

The settings included in the file may resemble the following:

```
engine.path=$ANY  
engine.enabled=$BOOLEAN  
engine.analysis.deep=$INTEGER  
engine.severity.limit=$REGEXP{[1-5]}  
engine.verbosity.level=$REGEXP_IC{(low)|(normal)|(high)}
```

dottest.build.nobuild

This setting disables/ enables build of the tested solution or projects. If enabled, the building phase is skipped during analysis.

Acceptable Values

true	The building phase will be skipped during analysis.
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<code>false</code>	Default. The tested solution or project will be built.
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Example Usage

The following configuration disables building of the project/solution:

```
dottest.build.nobuild=true
```

dottest.build.builder_id

This setting specifies which builder will be used to build solutions and projects before they are analyzed by dotTEST.

Acceptable Values

<code>dotnet</code>	Solutions and projects will be built with .NET Core SDK.
<code>msbuild</code>	Solutions and projects will be built with MSBuild.
<code>visualstudio</code>	Solutions and projects will be built with Visual Studio.

Example Usage

The following configuration specifies that MSBuild will be used to build solutions and projects before the analysis.

```
dottest.build.builder_id=msbuild
```

Related

- [Building Solutions and Projects](#)

dottest.build.dotnet_path

This setting specifies the path to the .NET Core executable.

Acceptable Values

<code>[path]</code>	The path to the dotnet.exe on your system.
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Example Usage

```
dottest.build.dotnet_path=C:\\dotnet\\dotnet.exe
```

dottest.package.restore_timeout

This setting specifies the timeout value for restoring packages before the building phase.

Acceptable Values

<code>[time in seconds]</code>	The timeout for restoring packages. The default value is 360.
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Related

- [Building Solutions and Projects](#)

parasoft.user

This setting specifies a custom user name that will be associated with Parasoft artifacts, such as findings and data sent to DTP.

Acceptable Values

[name]	A custom user name.
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Example Usage

The following configuration overrides the local user name configured in your system with a custom name "T12":

```
parasoft.user=T12
```