

NCover Reporting Action

The NCover Reporting action allows you to generate a range of reports from code coverage data (which can be generated using the NCover action). Over 20 different reports can be generated within a single execution of the NCover Reporting action.

The Reporting page allows you to specify the Coverage files to be included in the report.

NCover Reporting

General

Runtime


Reporting

Output

Filters

Thresholds

Options

 NCover reporting

Coverage files

C:\Projects\SimpleProject\Tests\UnitTests.xml

Append trend to a file (Optional):

Load trend from a file (Optional):

Custom stylesheet (Optional):

Project name (Optional):

Build ID (Optional):

Sort report elements by:

None

Hide report elements:

None

Top uncovered to report

10

☐ Ignore failed builds

OK

Cancel

Help

On this page:

Reporting

NCover Reporting

Coverage Files

Specify a list of coverage files to be included in the output report. Each coverage file needs to be listed on a separate line within the field provided. Coverage files can be generated by the [NCover action](#).

Append Trend to a File

Specify a file to append the coverage trend data to. If the file does not exist it will be created.

Load Trend From a File

To load existing trend data to be included in the report specify an existing trend file.

Custom Stylesheet

Specify a custom XSLT file to be used to format the report.

Project Name

The value entered here will appear in the heading of the report.

Build Id

Specify a Build Id for the Merged Coverage Data File Name.

Sort Report Elements By

Allows you to specify how the data in the report is sorted.

None, Name, ClassLine, CoveragePercentageAscending, CoveragePercentageDescending, UnvisitedSequencePointsAscending, UnvisitedSequencePointsDescending, VisitCountAscending, VisitCountDescending, FunctionCoverageAscending, or FunctionCoverageDescending

Hide Report Elements

Allows you to hide specific elements within the report.

None, HideUnvisited, HideFullyCovered, or HideThresholdCovered

Top Uncovered To Report

Control how many of the Top Uncovered items are displayed in the report.

Ignore Failed Builds


When including trend data, builds with failing tests will be included. Enabling this option will exclude data where tests failed.

Output



The Output page allows you to specify the output directory where the reports will be stored. You can also generate a list of the reports that will be generated when the action runs.


NCover Reporting [X]


General Runtime **Reporting** Output Filters Thresholds Options


 **NCover reporting**

Coverage files

Append trend to a file (Optional): 

Load trend from a file (Optional): 

Custom stylesheet (Optional): 

Project name (Optional):

Build ID (Optional):

Sort report elements by:

Hide report elements:

Top uncovered to report

☐ Ignore failed builds

Output Reports

Output Path

Specify the path where the reports will be stored.

Report Types

Use the controls provided to add the desired report types to the list. Multiple reports can be generated at once.

Format

Filters

The Filters page provides a means of excluding specific data from being included in the report.

NCover Reporting [X]

General Runtime Reporting Output **Filters** Thresholds Options

Filters

Coverage filters

Filter data: [Text Box]

Item type: Assembly [Dropdown]

☐ Regex

☐ Include

Add Delete

Xml report filters

☐ Clear existing coverage filters

☐ Report invalid files

Max failed to report: 50 [Spin Box]

OK Cancel Help

Filters

Coverage Filters

Use the controls provided to set filters to include/exclude specific elements from the report.

Example

The following filter will exclude all assemblies that end with 'Test':

```
"*Test":Assembly
```

The following filter excludes all assemblies that don't begin with 'myproject':

```
"myproject*":Assembly:False:True
```

Xml Report Filters

Allows you specify which details should be omitted from Xml reports, may be necessary when generating large reports.

Clear Existing Coverage Filters

Clear existing filters on the view.

Report Invalid Files

Rather than fail the action if one of the coverage files is invalid, enabling this option will report the invalid coverage files and create the report with the remaining valid coverage files.

Max Failed To Report

Specify the maximum amount of items that fail the minimum coverage thresholds.

Thresholds

The Thresholds page allows you to specify minimum and satisfactory threshold levels. Minimum coverage thresholds allow you to fail the action if the coverage criteria specified is not satisfied. The satisfactory thresholds allow you to report on values that do not meet specified criteria.



The Threshold features are only available in NCover Complete Edition.

NCover Reporting

General Runtime Reporting Output Filters **Thresholds** Options

Thresholds

Satisfactory coverage thresholds

Coverage metric: SymbolCoverage Threshold: 100 Item type: Pattern: Add Delete

Minimum coverage thresholds

Coverage metric: SymbolCoverage Threshold: 100 Item type: Pattern: Add Delete

☐ Use minimum coverage

OK Cancel Help

Thresholds

Satisfactory Coverage Thresholds

Use the controls provided to set the Satisfactory Thresholds.

Minimum Coverage Thresholds

Use the controls provided to set the Minimum Thresholds.

Examples:

The following example will fail any namespace that has a cyclomatic complexity greater than 60:

CyclomaticComplexity:60:Namespace

The following example will fail any Class ending in 'Test' where all methods have not been executed:

MethodCoverage:100:Class:". *Test\$"

For more information see.

Use Minimum Coverage

Options

The Options page allows you to rebase source files, determine action behaviour and set merge options.

The screenshot shows the 'NCover Reporting' dialog box with the 'Options' tab selected. The dialog has a dark theme and a tabbed interface with tabs for General, Runtime, Reporting, Output, Filters, Thresholds, and Options. The 'Options' tab is active and contains three sections: 'Rebase paths', 'Behaviour', and 'Merging'. The 'Rebase paths' section has a text area for rebase paths and an example: "C:\Project1\File1.txt" "C:\Projects\Project1\File1.txt". The 'Behaviour' section has two radio buttons: 'Fail if minimum coverage check fails' (selected) and 'Never fail'. The 'Merging' section has a 'Merge filter mode' dropdown set to 'Default', a 'Save merged coverage data' text field with a file icon, and a 'Working directory' text field with a file icon. At the bottom are 'OK', 'Cancel', and 'Help' buttons.

NCover Reporting

General Runtime Reporting Output Filters Thresholds **Options**

Rebase paths

Rebase paths

Example: "C:\Project1\File1.txt" "C:\Projects\Project1\File1.txt"

Each entry on a separate line

Behaviour

☒ Fail if minimum coverage check fails

☐ Never fail

Merging

Merge filter mode

Default

Save merged coverage data

Working directory

OK Cancel Help

Rebase Paths

Rebase Paths

Specify source paths to be rebased in the form of "<Source Path>" "<Destination Path>" with each entry on a separate line.

Behaviour

This option allows you to determine whether the action will fail if the Minimum Coverage Checks fail or whether the action will pass regardless of the Minimum Coverage Check outcome.

Merging

Merge Filter Mode

This determines how the coverage data is merged into the base coverage file.

Save Merged Coverage Data

Allows you to save the merged coverage data and the filters to the specified file.

Working Directory

Allows you to set a working directory so that relative paths can be used.