

Metrics Object

The metrics object **Metrics** is used by the **\$Build** object and provides access to metrics logged by stage actions. These may be numbers, percentages or timings and are accessed via one of the following categories

Categories

Name	Description
Compiler	Category for accessing compiler totals recorded by the MSBuild logger
OpenCover	Category for accessing unit test coverage metrics recorded by the OpenCover action
UnitTests	Category for accessing unit tests totals and timings recorded by unit test actions

Compiler Metrics

Name	Description	Type	Usage Example	
Error	The total number of compiler errors for the current build	Integer	\$Build.Metrics.Compiler.Warning\$	5
Warning	The total number of compiler warning for the current build	Integer	\$Build.Metrics.Compiler.Error\$	5

OpenCover Metrics

Name	Description	Type	Usage Example	
BranchCoverage	The total branch coverage number for the current build	Number	\$Build.Metrics.OpenCover.BranchCoverage\$	60
MaxCyclomaticComplexity	The maximum cyclomatic complexity number for the current build	Integer	\$Build.Metrics.OpenCover.MaxCyclomaticComplexity\$	6
MinCyclomaticComplexity	The minimum cyclomatic complexity number for the current build	Integer	\$Build.Metrics.OpenCover.MinCyclomaticComplexity\$	1
NumberOfBranchPoints	The total number of branch points for the current build	Integer	\$Build.Metrics.OpenCover.NumberOfBranchPoints\$	5
NumberOfClasses	The total number of classes for the current build	Integer	\$Build.Metrics.OpenCover.NumberOfClasses\$	3
NumberOfMethods	The total number of methods for the current build	Integer	\$Build.Metrics.OpenCover.NumberOfMethods\$	2
NumberOfSequencePoints	The total number of sequence points for the current build	Integer	\$Build.Metrics.OpenCover.NumberOfSequencePoints\$	14
SequenceCoverage	The total sequence coverage number for the current build	Number	\$Build.Metrics.OpenCover.SequenceCoverage\$	92 . 86
VisitedBranchPoints	The total number of visited branch points for the current build	Integer	\$Build.Metrics.OpenCover.VisitedBranchPoints\$	3
VisitedClasses	The total number of visited classes for the current build	Integer	\$Build.Metrics.OpenCover.VisitedClasses\$	2
VisitedMethods	The total number of visited methods for the current build	Integer	\$Build.Metrics.OpenCover.VisitedMethods\$	2
VisitedSequencePoints	The total number of visited sequence points for the current build	Integer	\$Build.Metrics.OpenCover.VisitedSequencePoints\$	13

UnitTest Metrics

Name	Description	Type	Usage Example	
AverageTime	The average time taken to run each test	Time	\$Build.Metrics.UnitTests.AverageTime\$	00:00:02
CaseCount	The total number of test cases	Integer	\$Build.Metrics.UnitTests.CaseCount\$	8
Error	The number of tests in error	Integer	\$Build.Metrics.UnitTests.Error\$	1
Failed	The number of failed tests	Integer	\$Build.Metrics.UnitTests.Failed\$	2
FixedTests	The number of successful tests which were not previously successful	Integer	\$Build.Metrics.UnitTests.FixedTests\$	2
FixtureCount	The total number of test fixtures	Integer	\$Build.Metrics.UnitTests.FixtureCount\$	3

Ignored	The number of ignored tests	Integer	\$Build.Metrics.UnitTests.Ignored\$	1
Inconclusive	The number of inconclusive tests	Integer	\$Build.Metrics.UnitTests.Inconclusive\$	1
Invalid	The number of invalid tests	Integer	\$Build.Metrics.UnitTests.Invalid\$	1
NewFailures	The number of failed tests which had not previously failed	Integer	\$Build.Metrics.UnitTests.NewFailures\$	2
NewTests	The total number of new tests	Integer	\$Build.Metrics.UnitTests.NewTests\$	1
NotRun	The number of tests not run	Integer	\$Build.Metrics.UnitTests.NotRun\$	1
Passed	The number of passed tests	Integer	\$Build.Metrics.UnitTests.Passed\$	10
PercentErrors	The percentage of tests with errors	Number	\$Build.Metrics.UnitTests.PercentErrors\$	30
PercentFailed	The percentage of tests which failed	Number	\$Build.Metrics.UnitTests.PercentFailed\$	30
PercentNotRun	The percentage of tests which were not run	Number	\$Build.Metrics.UnitTests.PercentNotRun\$	0
PercentPassed	The percentage of tests which passed	Number	\$Build.Metrics.UnitTests.PercentPassed\$	30
Shelved	The number of shelved tests	Integer	\$Build.Metrics.UnitTests.Shelved\$	1
Skipped	The number of skipped tests	Integer	\$Build.Metrics.UnitTests.Skipped\$	1
TotalTime	The total time taken to run all tests	Time	\$Build.Metrics.UnitTests.TotalTime\$	00:01:12