

Customizing Static Analysis Overview

Static analysis can be highly customized. Use the following table as a reference to determine how to achieve the customization effect you are seeking:

Desired Customization	Required Action	Reference
Define a set of rules to be used in static analysis	Change the rules settings in the Static tab of the Test Configuration(s) you want to apply	Static Tab Settings - Defining How Static Analysis is Performed
Customize available rules	Edit rule parameters in the Static> Rules Tree tab of the Test Configurations dialog. or Use RuleWizard to modify static code analysis rules	Customizing Existing Rules and Creating New Rules
Modify settings for BugDetective data flow analysis	Change the BugDetective settings in the Static tab of the Test Configuration(s) you want to apply	Static Tab Settings - Defining How Static Analysis is Performed
Customize rule groups, identifiers, titles, and severities to match your policy and priorities	Define the changes with rule mappings	Modifying Rule Categories, IDs, Names, and Severity Levels
Create new (fully-custom) static analysis rules	Use RuleWizard to create custom static code analysis rules	Customizing Existing Rules and Creating New Rules
Create new rule categories	Define the changes with rule mappings	Modifying Rule Categories, IDs, Names, and Severity Levels
Change the default directory where C++test looks for user-defined rules	Set the desired User rules location in the Configurations page of the Preferences dialog.	C++test Configuration Overview
Apply local rule suppressions	Suppress the task	Suppressing the Reporting of Acceptable Violations
Modify static analysis settings, such as number of tasks reported per rule, whether analysis is performed on automatically-generated test classes, etc.	Change the analysis settings in the Static tab of the Test Configuration(s) you want to apply	Static Tab Settings - Defining How Static Analysis is Performed

In addition, you can configure static analysis with advanced options. For example, you can specify encoding or customize the amount of allocated memory. See [Configuring Advanced Options](#) for details.