

Suppressing the Reporting of Findings

You can prevent C/C++test from reporting specific static analysis findings by defining suppressions. Suppressions are useful when you generally follow a rule, but decide to ignore that rule in an isolated number of exceptional situations. If you do not want to receive findings for any violations of a specific rule, disable the rule in the test configuration.

Suppression schemes can be defined in the source code with the syntax specified below. If you are using an IDE, you can store the information about suppressions in your code, on DTP, or locally in an XML file (for desktop use); see [Suppressing Findings](#).

Line Suppression

```
<suppression keyword> [<rule category> | <rule category> . <rule id> | <rule category > - <rule severity> | ALL  
] <suppression comment>
```

Line Suppression Examples

```
// parasoft-suppress CODSTA "suppress all rules in category CODSTA"  
  
// parasoft-suppress CODSTA.NEA "suppress rule CODSTA.NEA"  
  
// parasoft-suppress CODSTA-1 "suppress all rules in category CODSTA with severity level 1"  
  
// parasoft-suppress ALL "suppress all rules"  
  
// parasoft-suppress CODSTA FORMAT.MCH JAVADOC-3 "suppress all rules in category CODSTA and rule FORMAT.MCH and  
all rules in category JAVADOC with severity level 3"
```

Block Suppression

```
<begin suppression keyword> [<rule category> | <rule category> . <rule id> | <rule category > - <rule severity>  
| ALL ] <suppression comment>  
  
..... source code block .....
```

```
<end suppression keyword> [<rule category> | <rule category> . <rule id> | <rule category > - <rule severity> |  
ALL ] <suppression comment>
```

Block Suppression Examples

```
// parasoft-begin-suppress CODSTA "begin suppress all rules in category CODSTA"
.....
// parasoft-end-suppress CODSTA "end suppress all rules in category CODSTA"

// parasoft-begin-suppress CODSTA.NEA "begin suppress rule CODSTA.NEA"
.....
// parasoft-end-suppress CODSTA.NEA "end suppress rule CODSTA.NEA"

// parasoft-begin-suppress CODSTA-1 "begin suppress all rules in category CODSTA with severity level 1"
.....
// parasoft-end-suppress CODSTA-1 "end suppress all rules in category CODSTA with severity level 1"

//parasoft-begin-suppress ALL "begin suppress all rules"
.....
// parasoft-end-suppress ALL "end suppress all rules"

// parasoft-begin-suppress CODSTA FORMAT.MCH "begin suppress all rules in category CODSTA and rule FORMAT.MCH"
.....
// parasoft-end-suppress CODSTA FORMAT.MCH "end suppress all rules in category CODSTA and rule FORMAT.MCH"

// parasoft-begin-suppress CODSTA "begin suppress all rules in category CODSTA"
.....
// parasoft-end-suppress CODSTA-1 "end suppress all rules in category CODSTA with severity level 1; however
rules with severity level 2-5 in category CODSTA are still suppressed."
.....
// parasoft-end-suppress CODSTA "end suppress all rules in category CODSTA"

// parasoft-begin-suppress ALL "begin suppress all rules"
.....
// parasoft-end-suppress CODSTA FORMAT-1 "end suppress all rules in category CODSTA and all rules in category
FORMAT with severity level 1; however, others rules in CODSTA and FORMAT-1 are still suppressed."
.....
// parasoft-end-suppress ALL "end suppress all rules"

//parasoft-begin-suppress ALL "begin suppress all rules, since no end suppression comment, all rules will be
suppressed starting from this line"
```