# Customization Points

The custom directory is an injection point for custom user configurations.

## Header gtest.h

### The following macros can be defined:

* GTEST\_OS\_STACK\_TRACE\_GETTER\_ - The name of an implementation of OsStackTraceGetterInterface.
* GTEST\_CUSTOM\_TEMPDIR\_FUNCTION\_ - An override for testing::TempDir(). See testing::TempDir for semantics and signature.

## Header gtest-port.h

The following macros can be defined:

### Flag related macros:

* GTEST\_FLAG(flag\_name)
* GTEST\_USE\_OWN\_FLAGFILE\_FLAG\_ - Define to 0 when the system provides its own flagfile flag parsing.
* GTEST\_DECLARE\_bool\_(name)
* GTEST\_DECLARE\_int32\_(name)
* GTEST\_DECLARE\_string\_(name)
* GTEST\_DEFINE\_bool\_(name, default\_val, doc)
* GTEST\_DEFINE\_int32\_(name, default\_val, doc)
* GTEST\_DEFINE\_string\_(name, default\_val, doc)

### Logging:

* GTEST\_LOG\_(severity)
* GTEST\_CHECK\_(condition)
* Functions LogToStderr() and FlushInfoLog() have to be provided too.

### Threading:

* GTEST\_HAS\_NOTIFICATION\_ - Enabled if Notification is already provided.
* GTEST\_HAS\_MUTEX\_AND\_THREAD\_LOCAL\_ - Enabled if Mutex and ThreadLocal are already provided. Must also provide GTEST\_DECLARE\_STATIC\_MUTEX\_(mutex) and GTEST\_DEFINE\_STATIC\_MUTEX\_(mutex)
* GTEST\_EXCLUSIVE\_LOCK\_REQUIRED\_(locks)
* GTEST\_LOCK\_EXCLUDED\_(locks)

### Underlying library support features

* GTEST\_HAS\_CXXABI\_H\_

### Exporting API symbols:

* GTEST\_API\_ - Specifier for exported symbols.

## Header gtest-printers.h

* See documentation at gtest/gtest-printers.h for details on how to define a custom printer.