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)`
- `GTEST_FLAG_GET(flag_name)`
- `GTEST_FLAG_SET(flag_name, value)`

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.