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Imported targets

Each Qt module that is loaded defines a CMake library target. The target names start with `Qt6::`, followed by the module name. For example: `Qt6::Core`, `Qt6::Gui`. Pass the name of the library target to `target_link_libraries` to use the respective library.

Note: The targets are also available with a `Qt::` prefix: `Qt::Core`, `Qt::Gui`, and so on. See also [Qt 5 and Qt 6 compatibility](#).

Imported targets are created with the same configurations as when Qt was configured. That is:

- If Qt was configured with the `-debug` switch, an imported target with the `DEBUG` configuration is created.
- If Qt was configured with the `-release` switch, an imported target with the `RELEASE` configuration is created.
- If Qt was configured with the `-debug-and-release` switch, then imported targets are created with both `RELEASE` and `DEBUG` configurations.

If your project has custom CMake build configurations, you have to map your custom configuration to either the debug or the release Qt configuration.

```
find_package(Qt6 REQUIRED COMPONENTS Core)

set(CMAKE_CXX_FLAGS_COVERAGE "${CMAKE_CXX_FLAGS_RELEASE} -fprofile-arcs -ftest-coverage")

# set up a mapping so that the Release configuration for the Qt imported target is
# used in the COVERAGE CMake configuration.
set_target_properties(Qt6::Core PROPERTIES MAP_IMPORTED_CONFIG_COVERAGE "RELEASE")
```

[< Building projects on the command line](#)[Qt 5 and Qt 6 compatibility >](#)

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