

Dependency Management



C

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CMaKe



findpackage



FindFo.ornake?



conan / vcpkg?



Version?

✦ Cross-compiling?

CMakeLists.txt

```
cmake_minimum_required(VERSION 2.6)
project(Foo)
```

```
# Library sources
```

```
# find package Foo
find_package(Foo REQUIRED)
```

```
# add binary
add_executable(bar bar.cpp)
```

```
# add library
target_link_libraries(bar Foo)
```

```
# install
install(
  TARGETS bar
  RUNTIME DESTINATION bin
  COMPONENT "${INSTALL_BIN_DIR}"
)
```



JavaScript



npm / yarn



Dependency Management

- ✧ JavaScript
 - ✧ npm / yarn
- ✧ C++
 - ✧ CMake
 - ✧ find_package
 - ✧ FindFoo.cmake?
 - ✧ conan / vcpkg?
 - ✧ Version?
 - ✧ Cross-compiling?



CMakeLists.txt

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cmake_minimum_required(VERSION 2.6)
project(Foo)

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install(
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```


Dependency Management

- ✦ JavaScript
 - ✦ npm / yarn
- ✦ C++
 - ✦ CMake
 - ✦ CPM



CMakeLists.txt

```
cmake_minimum_required(VERSION 2.6)
project(Foo)

# Library sources
include(cmake/CPM.cmake)

CPMAddPackage(
  NAME Foo
  GITHUB_REPOSITORY TheLartians/Foo
  VERSION 1.1
)

# add binary
add_executable(bar bar.cpp)

# add library
target_link_libraries(bar Foo)

# install
install(
  TARGETS bar
  RUNTIME DESTINATION bin
  COMPONENT "${INSTALL_BIN_DIR}"
)
```



<https://github.com/TheLartians/CPM.cmake>