CV

kuk hora

Philip Wenkel

Modules_example_cmake

Modules_examples_cmake

cmake tutorial:

cmake_minimum_required(VERSION 3.16) project(main)

set(CMAKE_CXX_STANDARD 20) set(CMAKE_CXX_STANDARD_REQUIRED ON) set(CMAKE_CXX_EXTENSIONS OFF) set(PREBUILT_MODULE_PATH ${CMAKE_BINARY_DIR}/modules)

function(add_module name) file(MAKE_DIRECTORY $PREBUILT_MODULE_PATH) $add_custom_target(\{name}$ COMMAND ${CMAKE_CXX_COMPILER} -std=c++20 -stdlib=libc++ -fmodules -c $CMAKE_CURRENT_SOURCE_DIR/\{ARGN\}$ -Xclang -emit-module-interface -o $PREBUILT_MODULE_PATH/$\{name}.pcm

)

endfunction()

add_compile_options(-fmodules)   add_compile_options(-stdlib=libc++) add_compile_options(-fbuiltin-module-map) add_compile_options(-fimplicit-module-maps) add_compile_options(-fprebuilt-module-path=${PREBUILT_MODULE_PATH})

add_module(helloworld helloworld.cpp) add_executable(main main.cpp helloworld.cpp) add_dependencies(main helloworld.pcm)