MICROEJ SDK 6 GRADLE CHEAT SHEET



Run an Application

Run On Simulator

./gradlew runOnSimulator

Debug On Simulator

./gradlew runOnSimulator P"debug.mode"=true -P"debug.port"=8000

Run On Device

./gradlew runOnDevice

Build an Application

Build the Executable

./gradlew buildExecutable

Build the Feature

./gradlew buildFeature

Execute a Testsuite

For the default testsuite

./gradlew test

For the testsuite "myTest"

./gradlew myTest

For one test

./gradlew test -- tests MyTest

Publish a Module

Publish a Module ./gradlew publish

Multi-Project

Execute task in subproject
./gradlew :<subproject>:<task>

Misc

Display info logs

./gradlew <task> --info

Clean all built files

./gradlew clean

Display project dependencies

./gradlew dependencies

Reload dependencies in cache

./gradlew <task> --refresh-dependencies

Skip a task

./gradlew <task> -x <taskToSkip>

settings.gradle.kt

// Allows an Application or a Library project to // depend on a VEE Port project which is // not in the same multi-project includeBuild("/path/to/the/vee-port/project")

build.gradle.kts

id("com.microej.gradle.application") version "x.y.z" }

group = "com.mycompany" version = "1.0.0"

Configuration — microej {

Project type ·

Group and version

for publication

// Defines Application Entry Point (Main or Feature)
applicationEntryPoint = "com.mycompany.Main"

// Defines Architecture mode for the VEE Port

architectureUsage = "prod"

dependencies {

plugins {

implementation("ej.api:edc:1.3.7")

// Published VEE Port

✓ microejVee("com.mycompany:vee-port:1.0.0")

// \/55.0

// VEE Port project

microejVee(project(":vee-port"))

// Local built VEE Port

microejVee(files("/path/to/built/vee-port"))

Use Development Tools

Stack Trace Reader

on Console

./gradlew execTool --name=stackTraceDecrypter --toolProperty=proxy.connection.connection.type="console" --toolProperty=application.file="/path/to/application.out" --toolProperty=additional.application.files=""

on UART

./gradlew execTool --name=stackTraceDecrypter --toolProperty=proxy.connection.connection.type="uart" --toolProperty=pcboardconnection.usart.pc.port="COM8" --toolProperty=pcboardconnection.usart.pc.baudrate="115200" --toolProperty=application.file="/path/to/application.out" --toolProperty=additional.application.files=""

Serial to Socket Transmitter

./gradlew execTool --name=serialToSocketTransmitter --toolProperty=serail.to.socket.comm.port="COM8" --toolProperty=serail.to.socket.comm.baudrate="115200" --toolProperty=serail.to.socket.server.port="5555"

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