

# Pico Work Setup

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## 1 History

### 1.1 Start

Start new rpi pico development based on the official plugin in vscode

Takeover dev1 V 0.1.2 24.aug.2025

## 2 Intro

### 2.1 Goal

How to setup the work environment for raspberry pi pico c/c++ development

## 3 Basic first client setup

### 3.1 Setup Windows

Create main subdir

\pico

Download from

<https://code.visualstudio.com/>

Use non installer packet

<https://code.visualstudio.com/Download>

Create install dirs

bin\vscode

Create work dirs

projects\

extract vscode to

bin\vscode

Install VS Extension

Raspberry Pi Pico

von

raspberrypi.com

Git is not auto installed

Install GIT from

<https://git-scm.com/install/windows>

Use Portable ("thumbdrive edition") and install in

bin\git

*On same computer extensions and last project is still on  
fwehfhw*

#### 3.1.1 Directory structure

Update pico probe binary

Connect \*.sh with git-bash.cmd

## **3.2 Setup ChromeOS Flex**

# **4 Preparation of a new project**

## **4.1 New project at windows**

Click on pico symbol and use extension created

New C/C++ Project

As location

<drive>:\pico\projects

Project subdir will be created

## **4.2 New project at RaspiOS**

## **4.3 New project at ChromeOS Flex**

# **5 Reactivate project from git**

## **5.1 Reactivate at windows**

## **5.2 Reactivate at RaspiOS**

"gdbPath": "gdb-multiarch",

## **5.3 Reactivate at ChromeOS Flex**

## **5.4 All**

### **5.4.1 Execute programm generator**

Edit launch configuration

Move source files to src

## **5.4.2 Configuration for external OpenOCD debugger**

## **5.5**

## 6 Dirty Work

### 6.1 *got native compiler*

## 7 Questions

### 7.1 *Which build type*

Execute full build with

```
cmake -S src -B . -G "Unix Makefiles" -D CMAKE_BUILD_TYPE=Debug  
make
```

```
cmake -S src -B build_pico -G "Ninja" -D CMAKE_BUILD_TYPE=Debug  
ninja
```

ninja geht nur mit -B .

```
cmake -S src -B . -G "Eclipse CDT4 - Ninja" -D CMAKE_BUILD_TYPE=Debug -D  
PICO_BOARD=pico_w  
make
```

## 8 Problems

## **9 Links**

### **9.1**

### **9.2 *Profiles***

### **9.3 *Other***