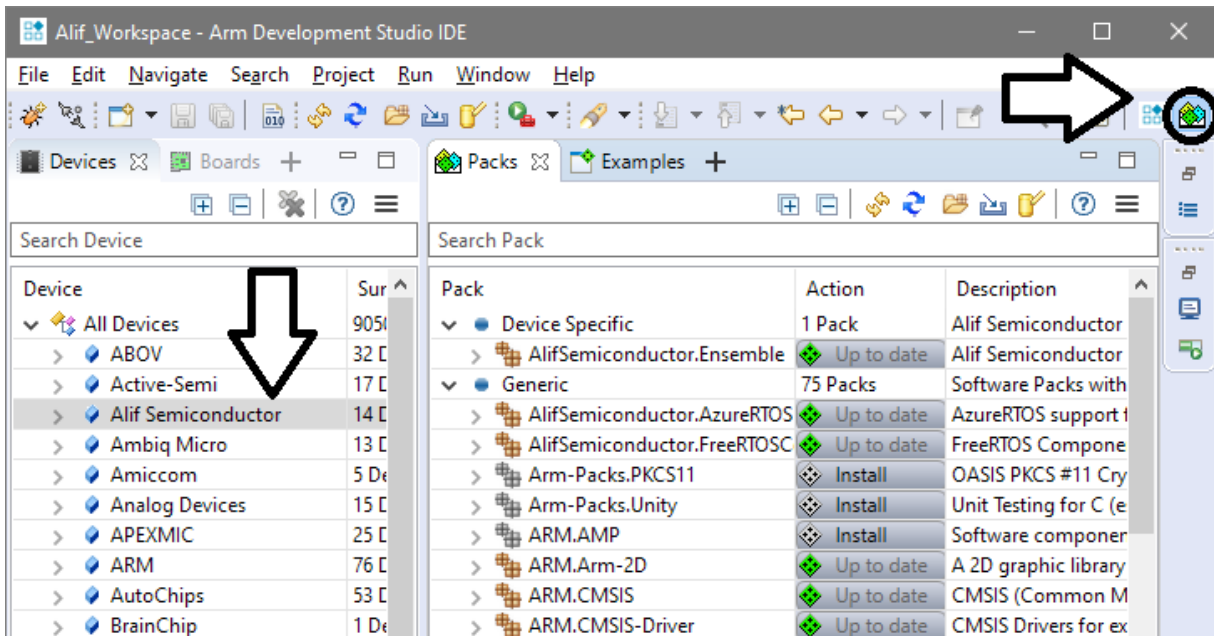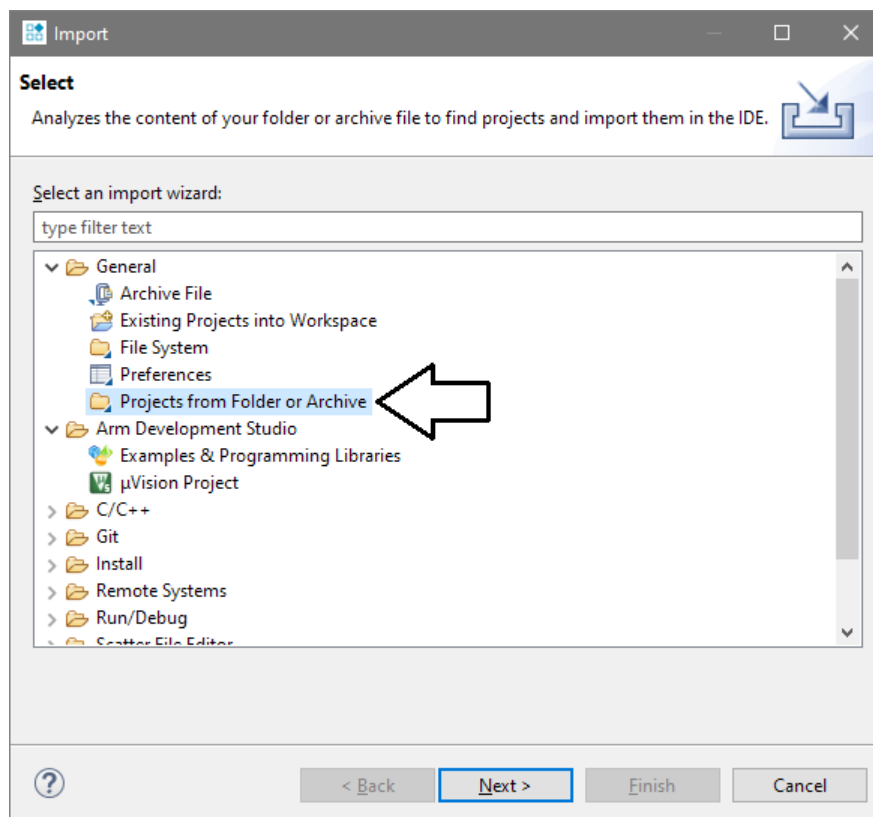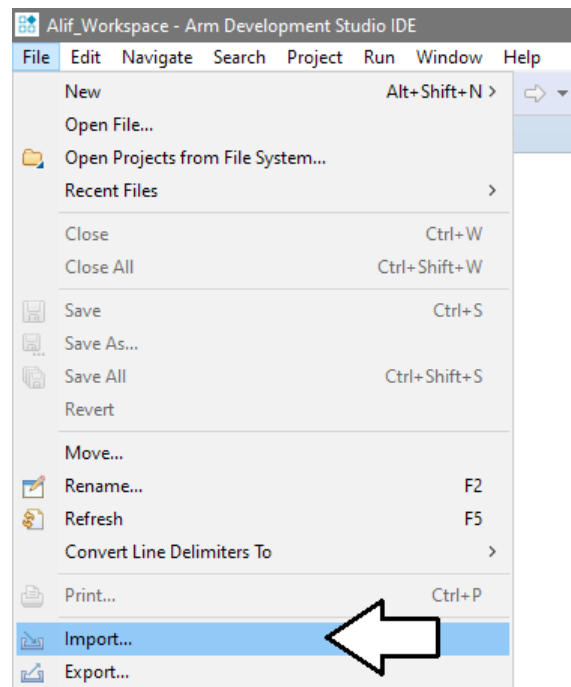# LVGL Example Project

Step 1

Open the Pack Manager and install the following CMSIS Packs. We recommend installing the exact versions specified below. Otherwise unexpected results may occur.
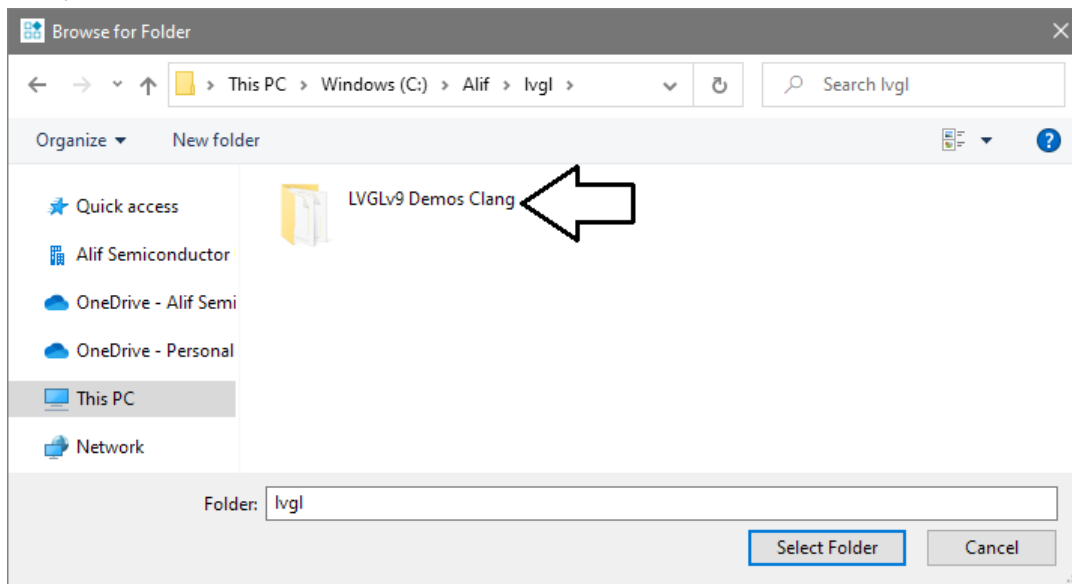
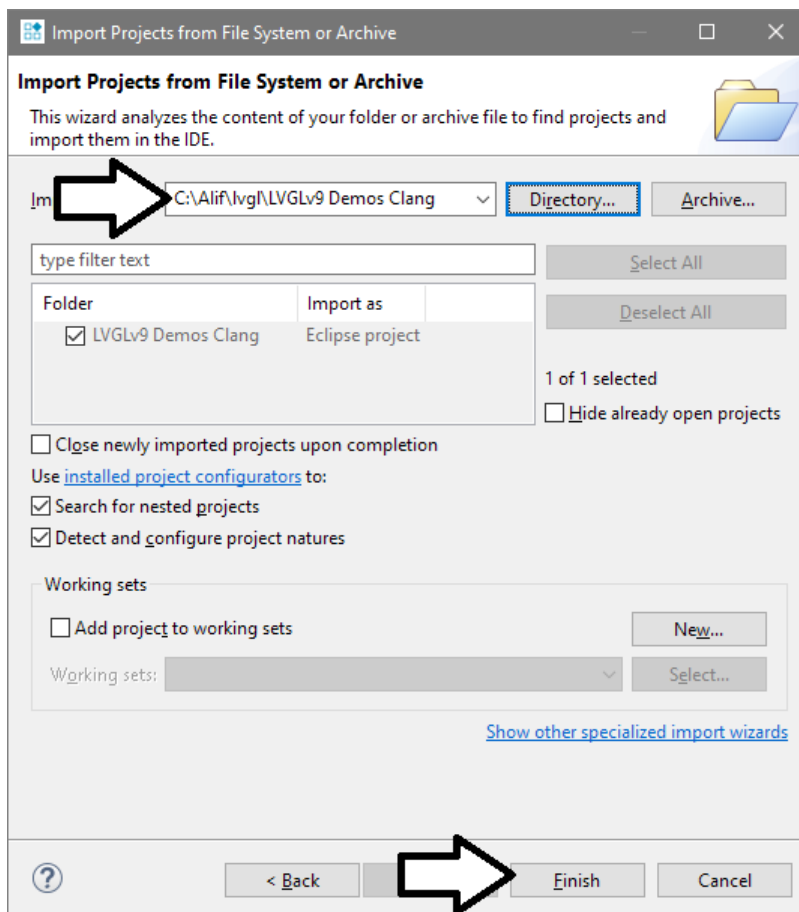- ARM.Arm-2D version 1.0.0-preview4
- LVGL.lvgl version 1.0.8

Step 2

Step 3

Step 4

Enter the path of the project and then import it.

Step 5

Open the display_cfg.h file and uncomment only one of the displays, matching your hardware.

```
43
44 //#define E50RA_MW550_N
45 //#define E43RB_FW405_C
46 #define E43GB_MW405_C
47
```

Step 6

Open the lv_port_disp.c file and use the below #define to enable or disable the I2C touch panel.

Keep the touch panel disabled for E50RA_MW550_N, for example.

```
39 #include <RTE_Components.h>
40 #include CMSIS_device_header
41
42 #include "lvgl.h"
43 #include "display_cfg.h"
44
45 #define DISABLE_I2C_TOUCH
46
47 uint8_t lcd_image[DIMAGE_Y][DIMAGE_X]
```