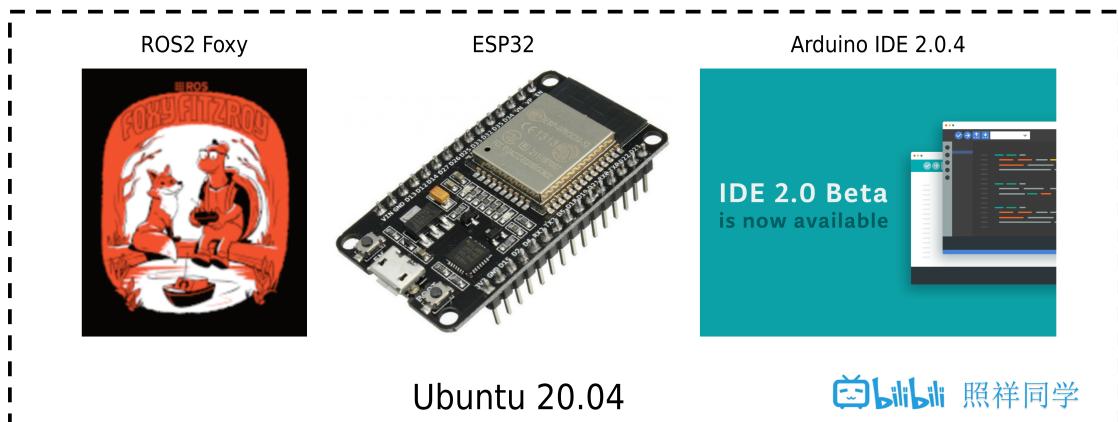


Chapter 1 install_Arduino_ROS2_ESP32



01-install_Arduino_ROS2_ESP32

URL: https://github.com/ZhaoXiangBox/esp32_ros2_robot

Videos from Bilibili 照祥同学: [第一节：搭建ESP32和Arduino的ROS2开发环境](#)

First : Install ROS2 Foxy in Ubuntu 20.04

Reference to:

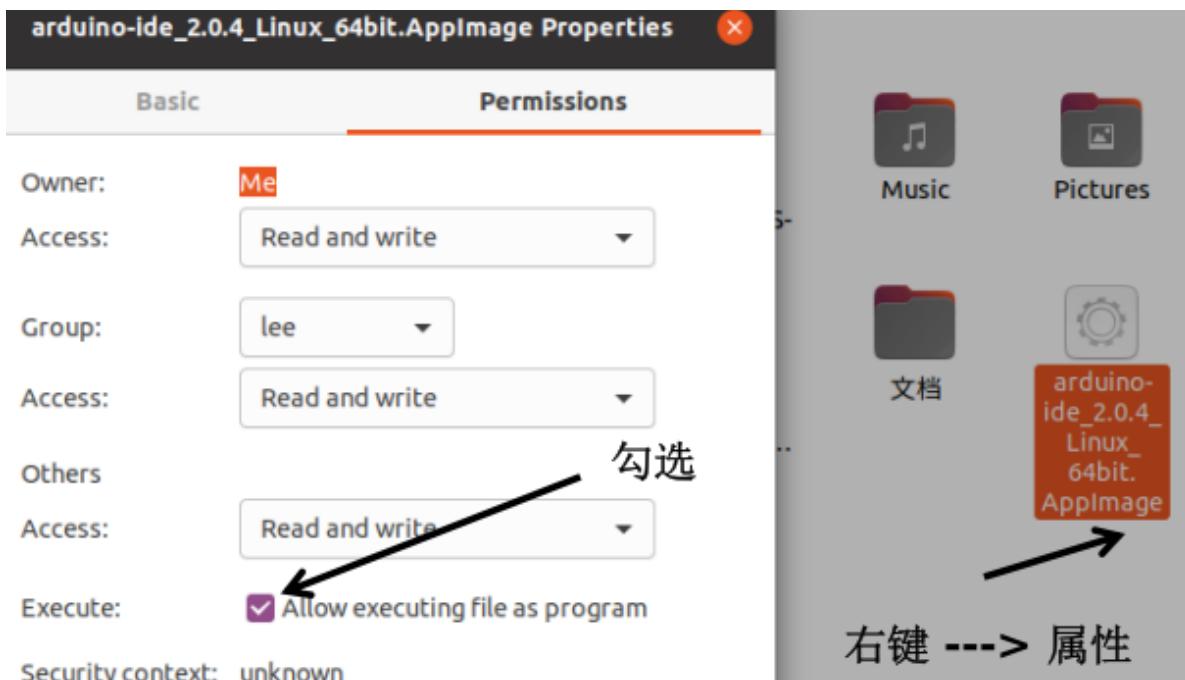
1、鱼香ROS一键安装 Page: <https://fishros.com/install/install1s/docs/index.html#/>

```
wget http://fishros.com/install -O fishros && . fishros
```

2. ROS Foxy Page: <https://docs.ros.org/en/foxy/Installation/Ubuntu-Install-Debians.html>

Second :Download Arduino IDE 2.0.4 and Install ESP32-WROOM-32 Board

1.Download Arduino IDE 2.0 [Download the latest release.](#)

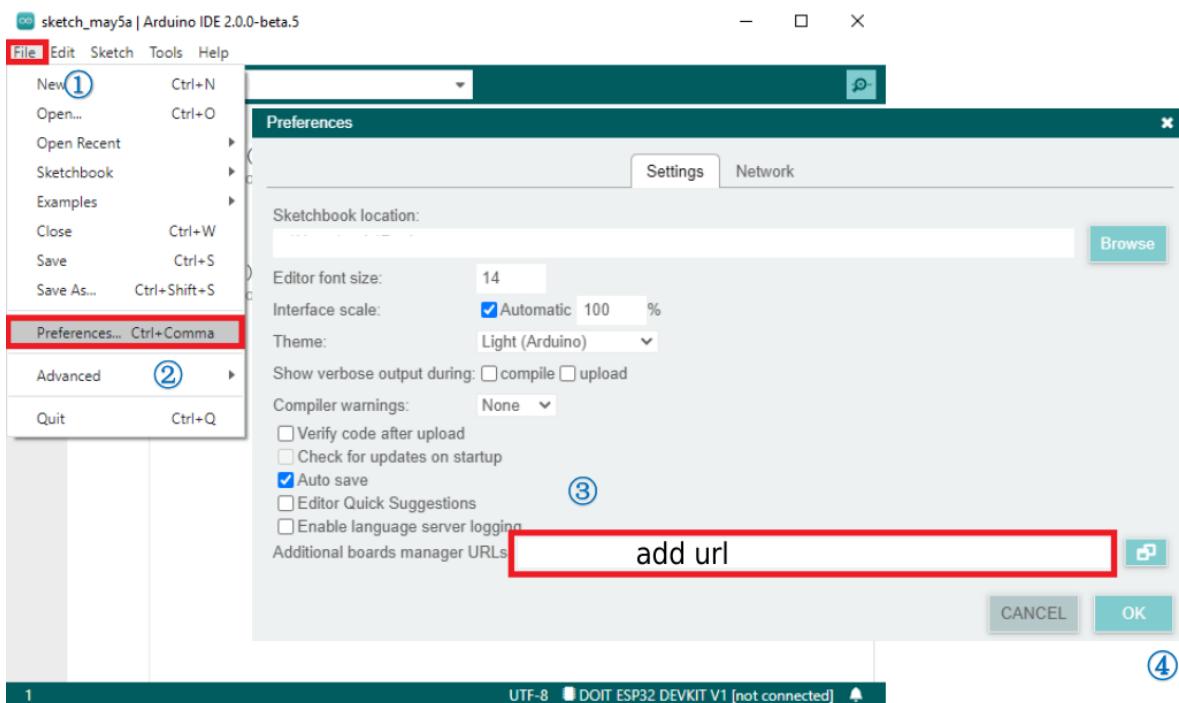


2. Install ESP32-Board in Arduino IDE

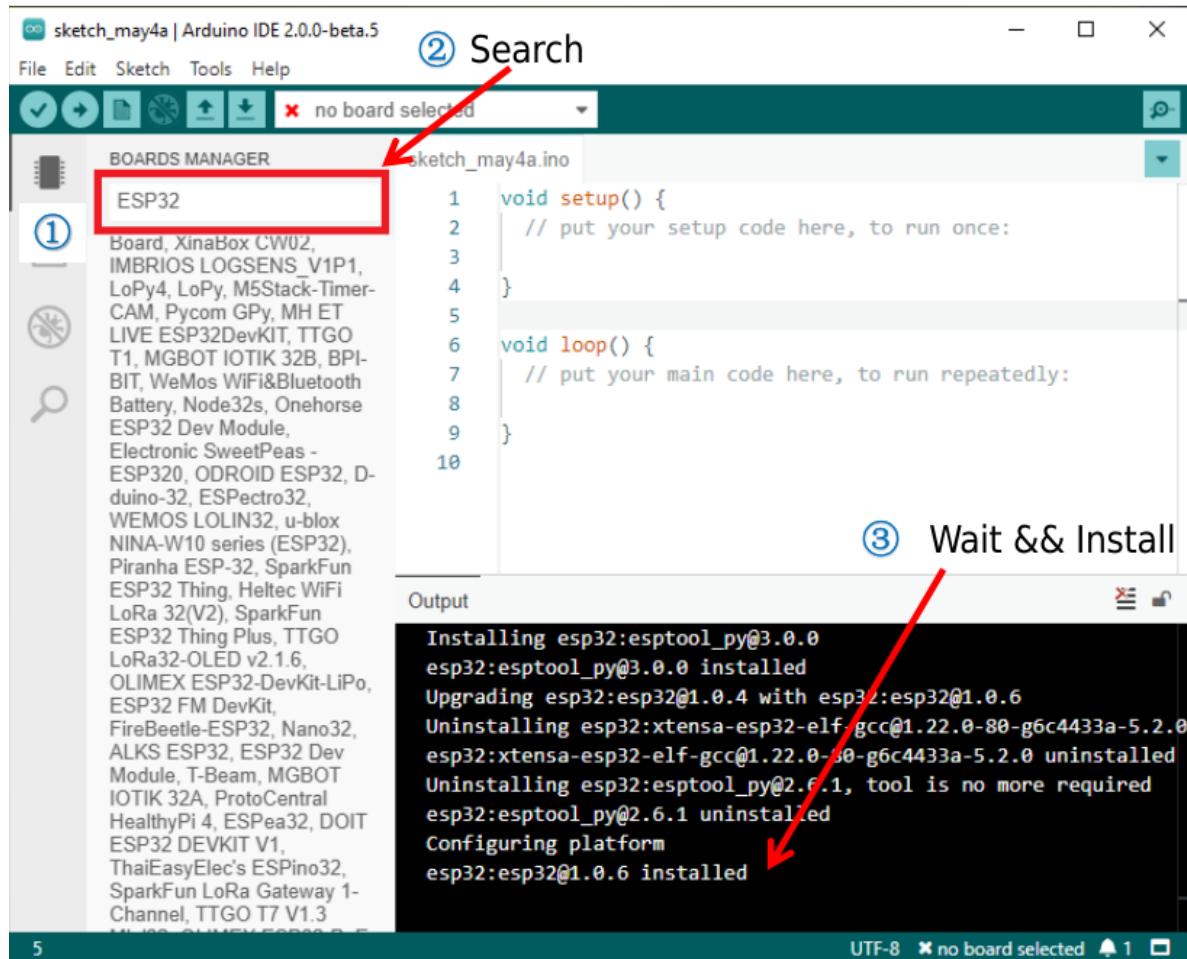
·ESP32 Board URL

https://espressif.github.io/arduino-esp32/package_esp32_dev_index.json

·Additional Boards Manager



·Install ESP32 Board



· Select ESP32 Dev Module && Port ID

