

ROS-SDK

ROS

“

支持

- x64
- arm64

支持 RISC-V

ROS:

Ubuntu 20.04

- ROS1: Noetic
- ROS2: Foxy, Galactic

Ubuntu 22.04

- ROS2: Humble, Iron

支持 Ubuntu 18.04

支持 Ubuntu 18.04 支持 Docker 支持 Ubuntu 18.04 支持 USI

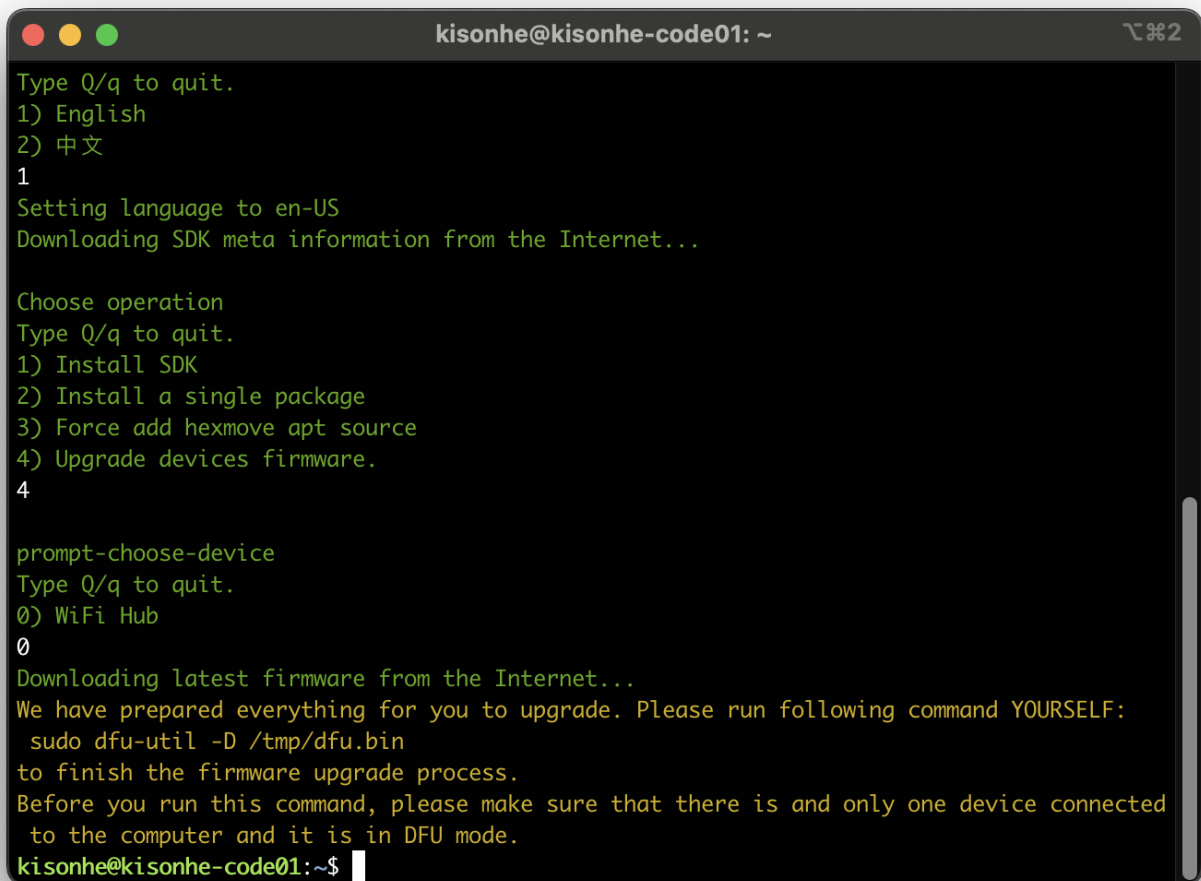
“ 支持, 支持 ROS, 支持 source 支持. 支持

SDK, 支持

```
wget -O hextool.bash https://ros.dl.hexmove.cn/ros.dl/hextool.bash && bash hextool.bash
```




3. 40:WiFiHub



```
kisonhe@kisonhe-code01: ~
Type Q/q to quit.
1) English
2) 中文
1
Setting language to en-US
Downloading SDK meta information from the Internet...

Choose operation
Type Q/q to quit.
1) Install SDK
2) Install a single package
3) Force add hexmove apt source
4) Upgrade devices firmware.
4

prompt-choose-device
Type Q/q to quit.
0) WiFi Hub
0
Downloading latest firmware from the Internet...
We have prepared everything for you to upgrade. Please run following command YOURSELF:
  sudo dfu-util -D /tmp/dfu.bin
to finish the firmware upgrade process.
Before you run this command, please make sure that there is and only one device connected
to the computer and it is in DFU mode.
kisonhe@kisonhe-code01:~$
```

4.

```
kisonhe@kisonhe-code01: ~  
Before you run this command, please make sure that there is and only one device connected  
to the computer and it is in DFU mode.  
kisonhe@kisonhe-code01:~$ sudo dfu-util -D /tmp/dfu.bin  
dfu-util 0.9  
  
Copyright 2005-2009 Weston Schmidt, Harald Welte and OpenMoko Inc.  
Copyright 2010-2016 Tormod Volden and Stefan Schmidt  
This program is Free Software and has ABSOLUTELY NO WARRANTY  
Please report bugs to http://sourceforge.net/p/dfu-util/tickets/  
  
Match vendor ID from file: 303a  
Match product ID from file: 0009  
Opening DFU capable USB device...  
ID 303a:0009  
Run-time device DFU version 0110  
Claiming USB DFU Runtime Interface...  
Determining device status: state = appIDLE, status = 0  
Device really in Runtime Mode, send DFU detach request...  
dfu-util: error detaching  
Device will detach and reattach...  
Opening DFU USB Device...  
Claiming USB DFU Interface...  
Setting Alternate Setting #0 ...  
Determining device status: state = dfuIDLE, status = 0  
dfuIDLE, continuing  
DFU mode device DFU version 0110  
Device returned transfer size 64  
Copying data from PC to DFU device  
Download [ 2% 24704 bytes
```



ROS SDK

- 1: Install SDK

```
2024-10-23 21:28:14 (136 KB/s) - '/tmp/hexmove/hex-tool/hex-tool' saved [6260368/6260368]

Setting language to en-US because LANG=en_US.UTF-8

Hello! hex-tool is a command line tool developed by HexMove.
It is mainly used to facilitate the installation of SDKs and other tools.
The tool supports skipping compilation tests, directly specifying the installation of a certain SDK, etc.
(especially convenient for automatic environments such as docker).
If you are interested, please refer to the comments in the bash script.

DISCLAIMER: Docs to modify the script are provided as is.
You can modify it as you like, but there is no guarantee that it will work as expected.

Downloading SDK meta information from the Internet...

Choose operation
Type Q/q to quit.
1) Install SDK
2) Install a single package
```


- SDK[], [] SDK[] ORCS-MCNM []

```
Downloading SDK meta information from the Internet...
```

```
Choose operation
```

```
Type Q/q to quit.
```

- 1) Install SDK
- 2) Install a single package
- 3) Force add hexmove apt source

```
1
```

```
Please choose the product category you brought:
```

```
Type Q/q to quit.
```

```
0) ARK
```

```
Contains: ARK-MINI, ARK
```

```
1) HAMMER
```

```
Contains: HAMMER-80
```

```
2) TRIGGER
```

```
Contains: FIBOT, TRIGGER-A, TRIGGER-X
```

```
3) RAY
```

```
Contains: RAY
```

```
4) NEOS
```

```
Contains: NEOS
```

```
5) ORCS
```

```
Contains: ORCS-DIFF, ORCS-MCNM-PRO, ORCS-MCNM, ORCS-MINI
```

```
[ ]
```

```
Contains: ARK-MINI, ARK
```

```
1) HAMMER
```

```
Contains: HAMMER-80
```

```
2) TRIGGER
```

```
Contains: FIBOT, TRIGGER-A, TRIGGER-X
```

```
3) RAY
```

```
Contains: RAY
```

```
4) NEOS
```

```
Contains: NEOS
```

```
5) ORCS
```

```
Contains: ORCS-DIFF, ORCS-MCNM-PRO, ORCS-MCNM, ORCS-MINI
```

```
5
```

```
Please choose SDK to install:
```

```
Type Q/q to quit.
```

```
5) ORCS-DIFF
```

```
ROS Dev kit for the ORCS-DIFF Robot, chassis only
```

```
6) ORCS-MCNM-PRO
```

```
ROS Dev kit for the ORCS-MCNM-PRO Robot, chassis only
```

```
7) ORCS-MCNM
```

```
ROS Dev kit for the ORCS-MCNM Robot, chassis only
```

```
8) ORCS-MINI
```

```
ROS Dev kit for the ORCS-MINI Robot, chassis only
```

```
7 [ ]
```

- []

```
3) RAY
```

```
Contains: RAY
```

```
4) NEOS
```

```
Contains: NEOS
```

```
5) ORCS
```

```
Contains: ORCS-DIFF, ORCS-MCNM-PRO, ORCS-MCNM, ORCS-MINI
```

```
5
```

- 

```
[100%] Linking CXX executable /home/kisonhe/Desktop/sdk_orcs_mcnm_ws/devel/lib/pkg_vehicle/xnode_vehicle
[100%] Built target xnode_vehicle
Base path: /home/kisonhe/Desktop/sdk_orcs_mcnm_ws
Source space: /home/kisonhe/Desktop/sdk_orcs_mcnm_ws/src
Build space: /home/kisonhe/Desktop/sdk_orcs_mcnm_ws/build
Devel space: /home/kisonhe/Desktop/sdk_orcs_mcnm_ws/devel
Install space: /home/kisonhe/Desktop/sdk_orcs_mcnm_ws/install
Creating symlink "/home/kisonhe/Desktop/sdk_orcs_mcnm_ws/src/CMakeLists.txt" pointing to "/opt/ros/noetic/share/catkin/cmake/toplevel.cmake"
####
#### Running command: "cmake /home/kisonhe/Desktop/sdk_orcs_mcnm_ws/src -DCATKIN_DEVEL_PREFIX=/home/kisonhe/Desktop/sdk_orcs_mcnm_ws/devel -DCMAKE_INSTALL_PREFIX=/home/kisonhe/Desktop/sdk_orcs_mcnm_ws/install -G Unix Makefiles" in "/home/kisonhe/Desktop/sdk_orcs_mcnm_ws/build"
####
####
#### Running command: "make -j4 -l4" in "/home/kisonhe/Desktop/sdk_orcs_mcnm_ws/build"
####
SDK sdk_orcs_mcnm_ws compiled and tested successfully.
Before starting to use the SDK, please source the setup.bash file in the SDK directory :)
```

SDK

  ORCS-DIFF .

```
root@1c2edac84f0b:~# tree -d -L 5
```

```
.
├── sdk_orcs_diff_ws
│   ├── src
│   │   ├── demo
│   │   │   ├── demo_general_chassis
│   │   │   ├── demo_vehicle
│   │   │   └── tools
│   │   └── drivers
│   │       ├── xpkg_vehicle
│   │       │   ├── include
│   │       │   ├── ini
│   │       │   ├── launch
│   │       │   ├── scripts
│   │       │   └── src
```

14 directories

- demo 包: 包 demo launch 包, 包 launch 包.

“包, demo 包 launch 包. 包 launch 包 launch 包

- drivers 包: 包, 包(包), 包
- urdf 包: 包 URDF
- 包 apt 包
 - ros-\$ROS_DISTRO-xpkg-comm 包
 - ros-\$ROS_DISTRO-xpkg-msgs 包

包, 包 demo 包.

包SDK包

包[ROS demo](#)