

ROS-SDK

ROS

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“

- x64
- arm64

, RISC-V

ROS:

Ubuntu 20.04

- ROS1: Noetic
- ROS2: Foxy, Galactic

Ubuntu 22.04

- ROS2: Humble, Iron

, Ubuntu 18.04

Ubuntu 18.04 18.04 Docker Ubuntu 1804 US

“ , , ROS, source .

SDK zip [apt.hexfellow.com] [ros-\$ROS_DISTRO-xpkg-msgs] [ros-\$ROS_DISTRO-xpkg-comm] [dpkg -i] [apt hexfellow apt] ROS CPU

- Humble / Ubuntu 22.04 / x86_64
 - [ros-humble-xpkg-msgs](#)
 - [ros-humble-xpkg-comm](#)

- Humble / Ubuntu 22.04 / arm64
 - [ros-humble-xpkg-msgs](#)
 - [ros-humble-xpkg-comm](#)
- Iron / Ubuntu 22.04 / x86_64
 - [ros-iron-xpkg-msgs](#)
 - [ros-iron-xpkg-comm](#)
- Iron / Ubuntu 22.04 / arm64
 - [ros-iron-xpkg-msgs](#)
 - [ros-iron-xpkg-comm](#)
- Noetic / Ubuntu 20.04 / x86_64
 - [ros-noetic-xpkg-msgs](#)
 - [ros-noetic-xpkg-comm](#)
- Noetic / Ubuntu 20.04 / arm64
 - [ros-noetic-xpkg-msgs](#)
 - [ros-noetic-xpkg-comm](#)

□ Humble / x86_64 □□□

```
# □□□□ ROS□□□ Ubuntu/ROS □□□□ hexfellow apt□
source /opt/ros/humble/setup.bash
sudo dpkg -i ros-humble-xpkg-msgs_*.deb ros-humble-xpkg-comm_*.deb
sudo apt-get -f install -y # □□ ROS □□
```

□□□□□□□ imu / vehicle / arm64 [/files/ros-sdk/debs/](#)□□□ SDK □□□ msgs + comm□□□ deb □□
 Noetic□20.04□□Humble/Iron□22.04□□□□□□□ Foxy/Galactic □□□ xpkg deb□□□ Noetic □ Humble□

□□□□□□□□□□□□□ SDK □□□□□□□ hextool.bash / rosd□□□

- [TRIGGER-A](#) — sdk_trigger_a_ws.zip
- [TRIGGER-X](#) — sdk_trigger_x_ws.zip
- [ORCS-DIFF](#) — sdk_orcs_diff_ws.zip
- [ORCS-MCNM](#) — sdk_orcs_mcnm_ws.zip
- [ORCS-MCNM-PRO](#) — sdk_orcs_mcnm_pro_ws.zip
- [ORCS-MINI](#) — sdk_orcs_mini_ws.zip
- [NEOS](#) — sdk_neos_ws.zip
- [ARK](#) — sdk_ark_ws.zip
- [ARK-MINI](#) — sdk_ark_mini_ws.zip
- [RAY](#) — sdk_ray_ws.zip

- [HAMMER-80](#) — sdk_hammer_80_ws.zip
- [ECHO](#) — sdk_echo_ws.zip
- [ECHO-PLUS](#) — sdk_echo_plus_ws.zip
- [MARK1-DIFF](#) — sdk_mark1_diff_ws.zip
- [MARK1-MCNM](#) — sdk_mark1_mcnm_ws.zip
- [MARK1-MCNM-PRO](#) — sdk_mark1_mcnm_pro_ws.zip
- [MARK2-MCNM](#) — sdk_mark2_mcnm_ws.zip
- [FIBOT-4A](#) — sdk_fibot_4a_ws.zip
- [FIBOT-4X](#) — sdk_fibot_4x_ws.zip
- [XGO-P](#) — sdk_xgo_p_ws.zip

deb SDK ORCS-DIFF / ROS2 Humble

```
unzip sdk_orcs_diff_ws.zip
cd sdk_orcs_diff_ws
source /opt/ros/humble/setup.bash # ROS1 source /opt/ros/noetic/setup.bash
colcon build --symlink-install # ROS1 catkin_make
source install/setup.bash # ROS1 source devel/setup.bash
```

“ , Ubuntu , .

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
- └─ tools

14 directories

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

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

包, 包 demo 包.

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包[ROS demo](#)