



macOSで始める ROS 2

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ROS2のmacOSサポート状況

pic: Humble

Architecture	Ubuntu Jammy (22.04)	macOS
amd64	Tier 1 [d][a][s]	Tier 3 [s]
arm64	Tier 1 [d][a][s]	
arm32	Tier 3 [s]	

macOS + aarch64はサポート
すらされていない



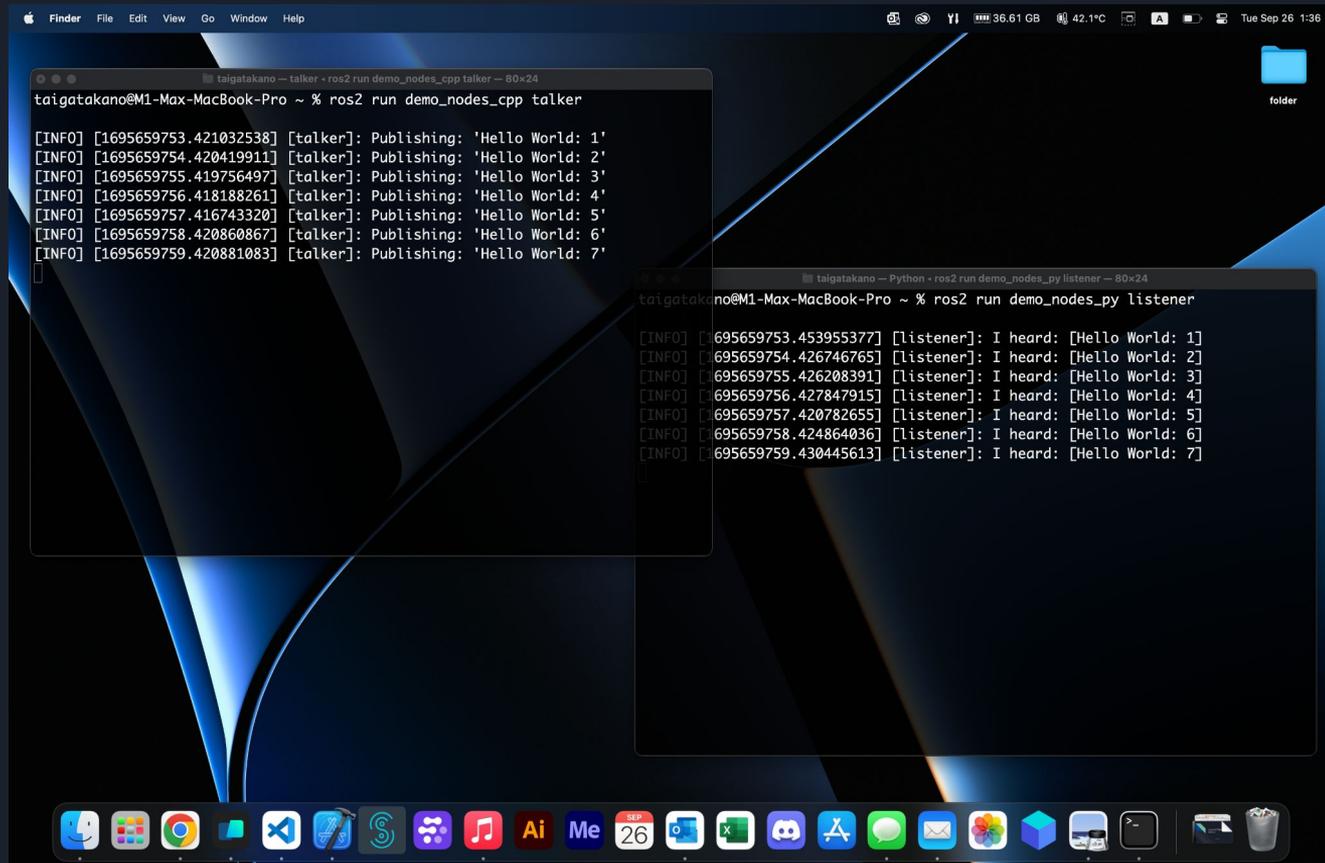
M1 Mac ROS2の現状: 動く(動く)

動くもの(一部)

- rclcpp
- rclpy
- ros2-cli
- ros2-demo-node

動かないもの

- rviz2
- rqt
- gtest



The screenshot shows an M1 Mac desktop with two terminal windows. The top window is titled "taigatakano - talker" and shows the command `ros2 run demo_nodes_cpp talker` being executed. The output consists of seven lines of log messages, each starting with "[INFO]" and followed by a timestamp, a node name in brackets, and a "Publishing" message: "Hello World: 1" through "Hello World: 7". The bottom window is titled "taigatakano - Python" and shows the command `ros2 run demo_nodes_py listener` being executed. The output consists of seven lines of log messages, each starting with "[INFO]" and followed by a timestamp, a node name in brackets, and an "I heard" message: "[Hello World: 1]" through "[Hello World: 7]". The desktop background is dark blue with a light blue abstract shape. The dock at the bottom contains various application icons including Safari, Chrome, VS Code, and others. The system status bar at the top right shows the date and time as "Tue Sep 26 1:38".

macOS ROS2 x Rust

依存関係をROS2で構築するのではなくRustのCargoで管理するので環境移植がしやすい(はず)

Cargo 管理

```
[dependencies]
safe_drive = "0.2"
scgw_msgs = {path = "./.msg/scgw_msgs"}
async-std = { version = "1", features = ["a
signal-hook = "0.3.4"
signal-hook-async-std = "0.2"
gethostname = "0.4.3"
network_module_util = {git = "https://github.com
ros2_rust_util = {git = "https://github.com
```

ROS2 管理

```
<?xml version="1.0"?>
<?xml-model href="http://download.ros.org/schema
<package format="3">
  <name>safe_smart_controller_gateway</name>
  <version>1.0.0</version>
  <description>Connecting with Smart Controller :
  <maintainer email="ttttghghnb554z@outlook.jp">
  <license>Apache License 2.0</license>

  <depend>scgw_msgs</depend>

  <test_depend>ament_lint_auto</test_depend>
  <test_depend>ament_lint_common</test_depend>

  <export>
    <build_type>ament_cargo</build_type>
  </export>
</package>
```



宣伝



TakanoTaiga/ros2_m1_native