

# ROS 2 TSC Contribution Report 2023-06-15

## Guidelines

- Each TSC representative: Please fill in your organization's section with the engineering activities and other contributions that your organisation has made to ROS 2.
- Please fill your section prior to our next meeting on **2023-06-15**.
- This report covers work done since the previous TSC meeting: **2023-05-18 - 2023-06-15**. Don't include work done earlier or planned for the future.
- Contributions may come from you, your colleagues, and/or external collaborators that you're funding to do the work that's reported.
- Each package to which you're contributing should be included on the list of [ROS 2 Common Packages](#).
- When possible, provide links to your contributions (e.g., pull requests).
- Provide enough detail for everyone to understand what was done.
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- These reports will be included in the published meeting minutes.
- Example:
  - foo\_org/bar\_pkg
    - Implemented the whizbang feature ([PR](#))
    - Investigated and reported on the superbud bug ([comment](#))

## Reports

- **Amazon: Aaron Blasdel**
  -
- **Apex.AI: Lyle Johnson**
  - ros2/rci
    - [Use TRACETOOLS prefix for tracepoint-related macros](#) - Christophe Bedard (merged 2023-06-08)
  - ros2/rcicpp
    - [Use TRACETOOLS prefix for tracepoint-related macros](#) - Christophe Bedard (merged 2023-06-08)
  - ros2/rmw\_cyclonedds
    - [Use TRACETOOLS prefix for tracepoint-related macros](#) - Christophe Bedard (merged 2023-06-08)
  - ros2/rmw\_fastrtps
    - [Use TRACETOOLS prefix for tracepoint-related macros](#) - Christophe Bedard (merged 2023-06-08)
  - ros2/ros2\_documentation
    - [Mention not needing to source workspace before running tests](#) - Christophe Bedard (merged 2023-05-24)
  - ros2/ros2\_tracing
    - [Add TRACETOOLS prefix to tracepoint-related public macros](#) - Christophe Bedard (merged 2023-06-08)

- ros2/rosbag2
  - [\[humble\] Add recorder stop\(\) API \(backport #1300\)](#) - Michael Orlov (merged 2023-06-13)
  - [Gracefully handle SIGINT and SIGTERM in rosbag2 recorder](#) - Michael Orlov (merged 2023-06-13)
  - [Fix for possible freeze in Recorder::stop\(\)](#) - Michael Orlov (merged 2023-06-10)
  - [Bump humble to 0.15.6](#) - Michael Orlov (merged 2023-06-06)
  - [Set CPU affinity for producers and recorder in rosbag2 performance benchmarking](#) - Michael Orlov (merged 2023-05-31)
  - [\[Foxy\] revert #1198 "rosbag2\\_storage\\_mcap: merge into rosbag2"](#) - Michael Orlov (merged 2023-05-26)
  - [Add CPU usage to rosbag2 performance benchmarking results report](#) - Michael Orlov (merged 2023-05-26)
  - [Add extra checks in execute and wait until completion\(..\)](#) - Michael Orlov (merged 2023-05-26)
  - [\[foxy\] Disable test\\_record\\_qos\\_profiles tests on Windows](#) - Michael Orlov (merged 2023-05-25)
- **Bosch: Christian Henkel**
  - ros/diagnostics
    - [Self test publishes the service under the node name, again](#)
    - [Empty default aggregator base\\_path](#)
  - ros2/rclic
    - [CI updates](#)
    - [Data structures interfaces for multi-threaded executor](#)
- **Canonical: Jeremie Deray**
  -
- **eProsima: Jaime Martin Losa**
  - [Fast DDS Spy](#)
  - WIP: Better X-Types support.
  - Micro-ROS irwin release.
- **Foxglove: Adrian Macneil**
  - foxglove/mcap
    - [Update copy on MCAP home page](#) - Esther S. Weon (merged 2023-06-12)
    - [Add live demo to website](#) - Jacob Bandes-Storch (merged 2023-06-06)
    - [fix footnotes in feature matrix](#) - Jacob Bandes-Storch (merged 2023-06-09)
    - [Make demo copy more concise](#) - Esther S. Weon (merged 2023-06-08)
    - [Docs: rearrange record ordering more logically](#) - Wyatt Alt (merged 2023-06-08)
    - [Use 'API reference' for consistency with previously made changes](#) - Esther S. Weon (merged 2023-06-07)
    - [Use sentence case in footer](#) - Esther S. Weon (merged 2023-06-07)
    - [CLI: Add capability to specify attachment name](#) - Wyatt Alt (merged 2023-06-06)

- [Website: Another icon fix](#) - Adrian Macneil (merged 2023-05-31)
  - [fix link](#) - james-rms (merged 2023-05-31)
  - [cpp: bump to 1.1.0](#) - Emerson Knapp (merged 2023-05-30)
  - [CPP: add getter for metadata indices](#) - Emerson Knapp (merged 2023-05-30)
  - [Auto detect Go version in GitHub Actions](#) - Adrian Macneil (merged 2023-05-24)
  - [Website fixes](#) - Adrian Macneil (merged 2023-05-24)
  - [New website](#) - Adrian Macneil (merged 2023-05-23)
  - [CLI: remove MCAP doctor on chunks with no messages, schemaless channels](#) - james-rms (merged 2023-05-17)
  - [cpp: fix header parsing](#) - james-rms (merged 2023-05-16)
- foxglove/rosmsg
  - [Update readme to have valid ros 1 schema](#) - Sam Nosenzo (merged 2023-06-09)
- foxglove/rosmsg2-serialization
  - [Fix serde of empty message definition](#) - Hans-Joachim Krauch (merged 2023-06-07)
- foxglove/studio
  - 104 commits
- ros-tooling/setup-ros-docker
  - [Add Iron and remove Galactic](#) - Emerson Knapp (merged 2023-05-24)
- ros2/rcldpy
  - [Include type hash in topic endpoint info \(rep2011\)](#) - Hans-Joachim Krauch (merged 2023-06-13)
- ros2/ros2\_documentation
  - [\[iron\] Add release notes for REP-2011 features](#) - Emerson Knapp (merged 2023-06-06)
- ros2/ros2cli
  - [Add marshalling functions for rcldpy.type\\_hash.TypeHash \(rep2011\)](#) - Hans-Joachim Krauch (merged 2023-06-13)
- ros2/rosbag2
  - [\[humble\] Don't crash when type definition cannot be found, and find srv defs if available](#) - Emerson Knapp (merged 2023-06-15)
  - [Don't crash when type definition cannot be found](#) - Emerson Knapp (merged 2023-05-25)
  - [\[iron\] Add ROS\\_DISTRO metadata record to mcap file when opening for writing](#) - Emerson Knapp (merged 2023-06-12)
  - [When using sim time, wait for /clock before beginning recording](#) - Emerson Knapp (merged 2023-06-12)
  - [Rewrite TimeControllerClockTest.unpaused\\_sleep\\_returns\\_true\\_to\\_be\\_correct](#) - Emerson Knapp (merged 2023-06-12)
  - [Update iron branch action CI to target Iron distro](#) - Emerson Knapp (merged 2023-06-07)
  - [Don't record sim-time messages before first /clock](#) - Emerson Knapp (merged 2023-06-07)
  - [Revert "Don't record sim-time messages before first /clock \(#1354\)"](#) - Emerson Knapp (merged 2023-06-07)



- **PickNik: Henning Kayser**
  - ros-planning/moveit2
    - [Set response planner id in planner plugins and warn if it is not set](#) - Sebastian Jahr (merged 2023-06-15)
    - [Add stomp default config to moveit\\_config\\_utils](#) - Sebastian Jahr (merged 2023-06-15)
    - [Fix the launching of Servo as a node component](#) - AndyZe (merged 2023-06-02)
    - [Fix Servo suddenHaIt\(\) to halt at original state, not commanded](#) - Sebastian Castro (merged 2023-06-06)
    - [Cleanup move\\_group CMake](#) - Tyler Weaver (merged 2023-06-05)
    - [Simplify controller manager namespacing](#) - Stephanie Eng (merged 2023-06-05)
    - [Suppress redundant error message in CSM](#) - Henning Kayser (merged 2023-06-05)
    - [Warn if optimization objective does not match expected values](#) - Stephanie Eng (merged 2023-06-02)
    - [Revert central differencing calculation in servo](#) - Sebastian Castro (merged 2023-06-02)
    - [Fix servo speed scaling YAML parameters](#) - Sebastian Castro (merged 2023-05-30)
    - [Cleanup to ros\\_control interface and trajectory execution](#) - Stephanie Eng (merged 2023-05-30)
    - [Reset filters when starting MoveIt Servo calculations](#) - Sebastian Castro (merged 2023-05-24)
    - [Ensure that planner id is set](#) - Sebastian Jahr (merged 2023-05-24)
    - [Use isnan in DepthImageOctomapUpdater](#) - Ezra Brooks (merged 2023-05-23)
    - [Ignore more common tooling-generated folders](#) - Ezra Brooks (merged 2023-05-23)
    - [Use gcov instead of lcov for sonar](#) - Tyler Weaver (merged 2023-05-23)
    - [Add @brief descriptions for plan\\_request adapters](#) - Sebastian Jahr (merged 2023-05-23)
    - [Enhance pilz can service request](#) - Sebastian Jahr (merged 2023-05-23)
    - [Run SonarCloud only on push](#) - Tyler Weaver (merged 2023-05-22)
    - [Change servo collision checking parameters to dynamically update](#) - Sebastian Castro (merged 2023-05-22)
    - [Add sonar cloud testing to CI](#) - Tyler Weaver (merged 2023-05-19)
    - [Make loggers static or move into anonymous namespace](#) - Sebastian Jahr (merged 2023-05-19)
    - [Parse xacro args from .setup\\_assistant config in MoveIt Configs Builder](#) - Anthony Baker (merged 2023-05-15)
    - [Add documentation and cleanups for PlanningRequestAdapter and PlanningRequestAdapterChain classes](#) - Sebastian Jahr (merged 2023-05-12)
    - [Migrate STOMP from ros-planning/stomp\\_moveit](#) - Henning Kayser (merged 2023-05-11)
  - ros-planning/moveit2\_tutorials

- [Fix typos and formatting in Getting Started and Python API tutorials](#) - Sebastian Castro (merged 2023-06-06)
    - [Bulleted list of ros instasl instructions](#) - Tyler Weaver (merged 2023-05-25)
    - [Python - fix execute\(\) API](#) - Henning Kayser (merged 2023-05-25)
    - [Fix broken link formatting on start page](#) - Henning Kayser (merged 2023-05-25)
    - [Prepare for World MoveIt Day 2023](#) - Tyler Weaver (merged 2023-05-25)
    - [Main is the default branch](#) - Tyler Weaver (merged 2023-05-24)
    - [Update STOMP Tutorial for MoveIt 2 version](#) - Henning Kayser (merged 2023-05-16)
    - [Add moveit\\_msgs to repos file](#) - Tyler Weaver (merged 2023-05-12)
    - [Remove deprecated call to moveitcpp->execute\(\)](#) - Stephanie Eng (merged 2023-05-12)
  - ros-planning/moveit\_resources
    - [Create Panda URDF Xacro, restore URDF for RobotModelTestUtils](#) - Henning Kayser (merged 2023-06-02)
    - [Fix Panda description for Gazebo Sim](#) - Henning Kayser (merged 2023-05-31)
    - [Migrate benchmarking package to separate repo](#) - Henning Kayser (merged 2023-05-18)
    - [Add stomp config](#) - Sebastian Jahr (merged 2023-05-14)
  - ros-planning/moveit\_tutorials
    - [Remove redundant closing tag](#) - Henning Kayser (merged 2023-05-22)
    - [Add documentation for the Ruckig planning request adapter](#) - AndyZe (merged 2023-05-19)
  - ros-tooling/action-ros-ci
    - [Add optional ref arg for branch to pull](#) - Alex Moriarty (merged 2023-05-31)
    - [Add Iron to valid distros](#) - Alex Moriarty (merged 2023-05-30)
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- **ROBOTIS: Will Son**
  - TurtleBot3 ROS2 Humble manual updates
    - <https://github.com/ROBOTIS-GIT/emanual/pull/1543>
  - Updating turtlebot3 humble package to use ROS2 control
    - <https://github.com/ROBOTIS-GIT/turtlebot3/tree/hotfix-humble>
- **ROS Industrial: Matt Robinson**
  - **Community/Promotional**
    - Co-hosted open robotics meeting in May co-located with Automate in collaboration with Foxglove, PickNik, and Intrinsic.
    - Hosted ROS-Industrial Americas Annual Meeting in Detroit on May 25. Community live stream was available. Recordings of all talks will be presented and available on the ROS-I YouTube channel for the community.
    - Updated Industrial Training Repo Documentation and Training Exercises:
      - [https://github.com/ros-industrial/industrial\\_training/pull/394](https://github.com/ros-industrial/industrial_training/pull/394)
    - Official release of ROS 2 Yaskawa Motoman Driver







- Ported humble release to the latest VxWorks 23.03, <https://github.com/razr/vxworks7-ros2-build/tree/humble-release-23.03>
- Ported Iron release to the latest VxWorks 23.03
- <https://github.com/razr/vxworks7-ros2-build/tree/iron-release-23.03>
- **Zettascale: Angelo Corsaro**
  - **Cyclone DDS**
    - Batched writes via QoS + support for flushing batches writes on Publisher or DomainParticipant
    - Support for building/using CDR serializer as a separate project
    - Option to control output directory in C++ backend of IDLC compiler
    - DurabilityService QoS policy support in C++
    - Fix for handling variably-sized data via IceOryx using C++ API
    - Set NODELAY when using TCP
    - Corrected handling of leading/trailing whitespace in distinguished names in certificates
    - Corrected handling of arrays with missing or 0 bounds
    - Fixes in creating type information for dynamically constructed types
    - Correct setting “default” flag on enumerated types in Python
    - Fix handling of uint8 bitmasks in assignability check
  - Fix for “keyless” topic trait in inherited types in C++
    - **Zenoh**
      - [Released Zenoh 0.7.2](#)
      - Complete C++ API
      - Query payload
      - C++ API is now compatible with both zenoh-c and zenoh-pico
      - TLS supports now “Let’s Encrypt” and IP-based certificates
      - Key formatters
      - Transport protocol whitelisting
      - Zenoh and ROS1 bridge
      - Liveliness assertion
      - Transparent compression
- **Community Rep: Olivier Michel**
  - webots\_ros2 version 2023.0.4 (released 25.05.2023)
    - Dropped Foxy support ([https://github.com/cyberbotics/webots\\_ros2/pull/756](https://github.com/cyberbotics/webots_ros2/pull/756)).
    - Added Iron support ([https://github.com/cyberbotics/webots\\_ros2/pull/756](https://github.com/cyberbotics/webots_ros2/pull/756) & [https://github.com/cyberbotics/webots\\_ros2/pull/760](https://github.com/cyberbotics/webots_ros2/pull/760))
  - webots\_ros2 version 2023.1.0 (to be released with Webots R2023b) with the following new updates:
    - Added a new WebotsController node that uses the extern controller launcher to start driver plugins ([https://github.com/cyberbotics/webots\\_ros2/pull/746](https://github.com/cyberbotics/webots_ros2/pull/746)).
    - Added installation of generic robot window library in the driver package ([https://github.com/cyberbotics/webots\\_ros2/pull/742](https://github.com/cyberbotics/webots_ros2/pull/742)).

- Fixed Camera and RangeFinder default topic names ([https://github.com/cyberbotics/webots\\_ros2/pull/761](https://github.com/cyberbotics/webots_ros2/pull/761)).
- Added VacuumGripper device ([https://github.com/cyberbotics/webots\\_ros2/pull/771](https://github.com/cyberbotics/webots_ros2/pull/771)).
- Fixed simulation reset in Navigation packages ([https://github.com/cyberbotics/webots\\_ros2/pull/764](https://github.com/cyberbotics/webots_ros2/pull/764)).
- Added new automatic synchronization workflow for master to develop branches ([https://github.com/cyberbotics/webots\\_ros2/pull/753](https://github.com/cyberbotics/webots_ros2/pull/753)).
- Added Iron tests (Industrial CI) ([https://github.com/cyberbotics/webots\\_ros2/pull/760](https://github.com/cyberbotics/webots_ros2/pull/760)).
- webots\_ros2 documentation:
  - Added new installation tutorials and split Setting up a robot simulation in two parts ([https://github.com/ros2/ros2\\_documentation/pull/3357](https://github.com/ros2/ros2_documentation/pull/3357)).
  - Once version 2023.1.0 is out, the simulation tutorial will be updated and a new tutorial on simulation reset will be added.