ROS 2 TSC Contribution Report 2024-01-18

Monthly contribution self-reporting

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 **2024-01-18.**
- This report covers work done since the previous TSC meeting: **2023-12-14 - 2024-01-18**. 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 <u>ROS 2 Common Packages</u>.
- 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 (<u>PR</u>)
        - Investigated and reported on the superbad bug (<u>comment</u>)

Reports

- **Amazon: Matt Hansen**
    -
- **Apex.AI: Lyle Johnson**
    - ros2/ci
        - [Install liblttng-ctl-dev instead of python3-lttng in Rolling](#) - Christophe Bedard (merged 2024-01-10)
    - ros2/rcl
        - [Fix for incorrect integer value conversion on Windows](#) - Michael Orlov (merged 2023-12-21)
    - ros2/rmw_iceoryx
        - [Address known limitation in service/client (rolling)](#) - Simon Hoinkis (merged 2024-01-08)
        - [Address known limitation in service/client (iron)](#) - Simon Hoinkis (merged 2024-01-08)
        - [Address known limitation in service/client (humble)](#) - Simon Hoinkis (merged 2024-01-05)
    - ros2/ros2_tracing
        - [Fix Python not being found for lttngpy in Windows debug mode](#) - Christophe Bedard (merged 2024-01-12)

- ■ [Switch to custom lttng-ctl Python bindings](#) - Christophe Bedard (merged 2024-01-10)
  - ○ ros2/rosbag2
    - ■ [Improve performance in SqliteStorage::get_bagfile_size()](#) - Michael Orlov (merged 2024-01-12)
    - ■ [Install signal handlers in recorder only inside record method](#) - Michael Orlov (merged 2024-01-04)
    - ■ [Bugfix for incorrect playback rate changes when pressing buttons](#) - Michael Orlov (merged 2023-12-15)
- ● **Bosch: Christian Henkel**
  - ○ ros/diagnostics
    - ■ [Formatting fixes from PR324](#) - Christian Henkel (merged 2024-01-18)
  - ○ ros2/rclc
    - ■ [updated ci versions](#) - Jan Staschulat (merged 2023-12-14)
- ● **Canonical: Jeremie Deray**
  - ○
- ● **eProsima: Jaime Martin Losa**
  - ○ [Fast DDS 2.13.0](#)
  - ○ Dynamic Types refactor (WIP)
  - ○ Better support for Large Data (WIP)
  - ○
- ● **Foxglove: Adrian Macneil**
  - ○ foxglove/cdr
    - ■ [v3.2.1](#) - Hans-Joachim Krauch (merged 2024-01-02)
    - ■ [Use single TextEncoder/-Decoder instance](#) - Hans-Joachim Krauch (merged 2024-01-02)
  - ○ foxglove/mcap
    - ■ [@mcap/core: Replace message index heap with sorted list](#) - Hans-Joachim Krauch (merged 2024-01-12)
    - ■ [Fix release link for CLI tool in README](#) - Esther S. Weon (merged 2024-01-08)
    - ■ [docs: prioritize converting db3 files with ros2 bag convert](#) - james-rms (merged 2024-01-03)
  - ○ foxglove/omgidl
    - ■ [Bump package versions](#) - Sam Nosenzo (merged 2024-01-09)
    - ■ [Make implicit enums follow C++ conventions](#) - Sam Nosenzo (merged 2024-01-09)
    - ■ [Bump @foxglove/cdr from 3.2.0 to 3.2.1](#) - Hans-Joachim Krauch (merged 2024-01-08)
    - ■ [Allow union members to have annotations](#) - Sam Nosenzo (merged 2024-01-04)
  - ○ foxglove/ros-foxglove-bridge
    - ■ [Update readme with ipv6 address](#) - Hans-Joachim Krauch (merged 2024-01-17)
    - ■ [0.7.5](#) - Hans-Joachim Krauch (merged 2023-12-29)
  - ○ foxglove/studio
    - ■ 46 commits
- ● **Intel: Harold Yang**

- ○
- **Intrinsic: Chris Lalancette**
  - ○ 162 contributions to the core ROS 2 organizations (ament catkin colcon ros ros-drivers ros-drivers-gbp ros-gbp ros-geographic-info ros-infrastructure ros-perception ros-planning ros-simulation ros-tooling ros-visualization ros2 ros2-gbp)
  - ○ Continued progress on rmw_zenoh_cpp
  - ○ Continued debugging of rclcpp_action race conditions
  - ○ Transition of Rolling to Ubuntu 24.04
- **iRobot: Alberto Soragna**
  - ○ Organization for Production WG first meetings
  - ○ ROS 2 services performance analysis https://github.com/ros2/rclcpp/issues/2397
  - ○ Merged some old in progress PRs
  - ○ Released new Create 3 software for Galactic and Humble
- **Microsoft: Lou Amadio**
  - ○ VSCode ROS Extension
    Support for Debug/Release builds through Tasks
  - ○ Improve Python intellisense
- **PickNik: Henning Kayser**
  - ○ By Authors: sea-bass, MarqRazz, tylerjw, Abishalini, stephanie-eng, pac48, eholum, henningkayser, marioprats, sjahr
  - ○ To Repositories in Organizations: ros-planning, ros-control, ros2, ros-tooling
  - ○ Merged Since: 2023-12-14
  - ○ This report generated: 2024-01-18
  - ○ Contribution count (remember to update if you remove things): 34
  - ○ ros-planning/moveit
    - ■ Update Dockerfile - Stephanie Eng (merged 2023-12-19)
  - ○ ros-planning/moveit2
    - ■ Add get group urdf capability - Sebastian Jahr (merged 2024-01-18)
    - ■ Fix penalty-based cost function in STOMP - Henning Kayser (merged 2024-01-16)
    - ■ 2.9.0 - Tyler Weaver (merged 2024-01-10)
    - ■ [Humble] Remove ros2_control 2.13 source build - Sebastian Castro (merged 2024-01-09)
    - ■ Add command queue to servo to account for latency - Paul Gesel (merged 2024-01-03)
    - ■ Add missing pluginlib dependency - Sebastian Jahr (merged 2024-01-03)
    - ■ [Servo] Make listening to octomap updates optional - Sebastian Castro (merged 2024-01-03)
    - ■ make time_optimal_trajectory_generation harder to misuse - Mario Prats (merged 2024-01-03)
    - ■ Update ros2_control usage - Sebastian Jahr (merged 2023-12-23)
    - ■ fix out-of-bounds memory access with zero-variable joints - Mario Prats (merged 2023-12-19)
    - ■ Handle unsupported position constraints in OMPL - Henning Kayser (merged 2023-12-19)
    - ■ reset accelerations on setToDefaultValues - Mario Prats (merged 2023-12-19)

- - - [Fix warning and cleanup unneeded placeholders](#) - Sebastian Jahr (merged 2023-12-15)
  - ros-planning/moveit2_tutorials
    - [Backport docs CI fixes from main](#) - Sebastian Castro (merged 2024-01-17)
    - [Manually copy entire Python bindings docs folder instead of just `api.html`](#) - Sebastian Castro (merged 2024-01-16)
    - [Ignore MoveIt and MoveIt Core Packages from docs Imports](#) - Erik Holum (merged 2024-01-16)
    - [Update sphinx version for CI to pass on main](#) - Abishalini Sivaraman (merged 2024-01-15)
    - [Update requirements.txt for humble branch](#) - Abishalini Sivaraman (merged 2024-01-15)
    - [Add MTC to concepts](#) - Abishalini Sivaraman (merged 2024-01-15)
    - [Upgrade the version of ruby used in CI](#) - Tyler Weaver (merged 2024-01-11)
    - [Build collision scene example](#) - Stephanie Eng (merged 2023-12-20)
    - [Update ros2_control_node initialization](#) - Sebastian Jahr (merged 2023-12-20)
    - [Check for and fix misspelled MoveIt](#) - Stephanie Eng (merged 2023-12-18)
    - [Update to new JumpThreshold API](#) - Sebastian Castro (merged 2023-12-17)
    - [Update Isaac tutorial to support 2023.1 release](#) - Marq Rasmussen (merged 2023-12-15)
    - [Update link in dual arms tutorial to point to moveit_resources](#) - Stephanie Eng (merged 2023-12-15)
  - ros-planning/moveit_msgs
    - [Adds get group urdf service](#) - Sebastian Jahr (merged 2024-01-15)
    - [2.4.0](#) - Tyler Weaver (merged 2024-01-11)
  - ros-planning/moveit_resources
    - [Update acceleration limits for robot configs](#) - Paul Gesel (merged 2024-01-08)
    - [Backport: Update ros2 control usage (#192)](#) - Sebastian Jahr (merged 2023-12-21)
    - [Update ros2 control usage](#) - Sebastian Jahr (merged 2023-12-20)
  - ros-planning/moveit_task_constructor
    - [Add planner info to MTC solution comment.](#) - Abishalini Sivaraman (merged 2024-01-16)
    - [Fix test_pipeline_planner parameter](#) - Henning Kayser (merged 2023-12-17)
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- **ROBOTIS: Will Son**
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- **ROS Industrial: Matt Robinson**
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- **Sony: Tomoya Fujita**
  - rosbag2 service / action support

- `ros2 bag record <service>` has been completed with https://github.com/ros2/rosbag2/pull/1480
- Now W.I.P `ros2 bag play <service>` https://github.com/ros2/rosbag2/pull/1481
- Action Support needs to be designed before implementation
  - PRs / Issues
    - eProsima/DDS-Record-Replay
      - "introduce MCAP CLI tool during installation just as a reference." | Tomoya Fujita | https://github.com/eProsima/DDS-Record-Replay/pull/111 (merged 2024-01-17)
    - ros2/demos
      - "fix loading parameter behavior from yaml file." | Tomoya Fujita | https://github.com/ros2/demos/pull/656 (merged 2023-12-15)
    - ros2/launch_ros
      - "add "--log-file-name" command line argument for test." | Tomoya Fujita | https://github.com/ros2/launch_ros/pull/387 (merged 2024-01-08)
    - ros2/rcl
      - "support `--log-file-name` to ros args." | Tomoya Fujita | https://github.com/ros2/rcl/pull/1127 (merged 2024-01-02)
      - "add unit tests for --log-file-name argument." | Tomoya Fujita | https://github.com/ros2/rcl/pull/1130 (merged 2024-01-08)
    - ros2/rcl_logging
      - "add file_name_prefix parameter to external log configuration." | Tomoya Fujita | https://github.com/ros2/rcl_logging/pull/109 (merged 2024-01-02)
    - ros2/ros2_documentation
      - "update release note for Jazzy, rclcpp type support handles." | Tomoya Fujita | https://github.com/ros2/ros2_documentation/pull/4102 (merged 2024-01-16)
      - "add doc for "--log-file-name" command line argument." | Tomoya Fujita | https://github.com/ros2/ros2_documentation/pull/4087 (merged 2024-01-10)
    - ros2/ros2cli
      - "make handles not inheritable to prevent from blocking durning tab-completion" | Chen Lihui | https://github.com/ros2/ros2cli/pull/852 (merged 2023-12-21)
    - ros2/rosbag2
      - "`Recording stopped` prints only once." | Tomoya Fujita | https://github.com/ros2/rosbag2/pull/1530 (merged 2024-01-11)
      - "call cv.wait_until only if necessary." | Tomoya Fujita | https://github.com/ros2/rosbag2/pull/1521 (merged 2023-12-30)
      - "Implement service recording and display info about recorded services" | Barry Xu | https://github.com/ros2/rosbag2/pull/1480 (merged 2023-12-21)
- **GVSC: Jerry Towler (SwRI)**

- - SwRI (David Anthony) is now one of the radar_msgs maintainers
    - https://github.com/swri-robotics/mapviz/pull/807
    - https://github.com/swri-robotics/mapviz/pull/682
- **Toyota Research Institute: Ian McMahon**
    - ros-perception/image_pipeline
        - [ros-perception/image_pipeline#844](#)
            - Depth image transport configure subscribers (merged)
    - ros-perception/image_transport_plugins
        - [ros-perception/image_transport_plugins#161](#)
            - Added SVTAV1 image transport plugin (in draft)
    - ros-visualization/rqt
        - [ros-visualization/rqt#299](#)
            - Allow to autocomplete namespaced topics (in review)
    - ros2-gbp/ros2-gbp-github-org
        - [ros2-gbp/ros2-gbp-github-org#407](#)
            - Added rqt gauges to rqt.tf (merged)
    - ros2/rviz
        - [ros2/rviz#1121](#)
- Fix time-syncing message (merged)
- **Wind River: Andrei Kholodnyi**
    - multiple meta-ros patches
- **Zettascale: Angelo Corsaro**
    - **Zenoh**
        - **Released v0.10.1 (see https://crates.io/crates/zenoh) this version includes:**
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            - ROS2 plugin: https://lnkd.in/eCb2747T
            - Java API for Zenoh: https://lnkd.in/ed3p-SS4
            - A brand new MatchingStatus feature: https://lnkd.in/edcekvJ7
            - - User Attachments as part of data messages (in zenoh-rust, zenoh-c and zenoh-cpp)
            - - Support for Liveliness and PublicationCache/QueryingSubscriber in zenoh-c
            - - Support for InfluxDB2
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