

ROS 2 TSC Contribution Report 2024-02-15

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 **2024-02-15**.
- This report covers work done since the previous TSC meeting: **2024-01-18 - 2024-02-15**. 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: Matt Hansen**
- **Apex.AI: Lyle Johnson**
 - ros2/Mimick
 - [Define mmk_noreturn if __STDC_VERSION__ >= 201112L](#) - Christophe Bedard (merged 2024-02-10)
 - ros2/rcutils
 - [Clean up unused references to mimick/mocking in tests](#) - Christophe Bedard (merged 2024-02-05)
 - [Fix if\(TARGET ...\) condition for test](#) - Christophe Bedard (merged 2024-02-02)
 - [Zero-initialize rcutils_string_array_t in test_string_array](#) - Christophe Bedard (merged 2024-01-26)
 - [Use rcutils_string_array_init in rcutils_split & handle alloc fail](#) - Christophe Bedard (merged 2024-01-25)
 - [Make rcutils_split\(\) return RCUTILS_RET_BAD_ALLOC if alloc fails](#) - Christophe Bedard (merged 2024-01-23)
 - ros2/ros2_tracing
 - [Improve tracing configuration error reporting](#) - Christophe Bedard (merged 2024-02-12)

- [Update tests and docs after new rmw_publish timestamp field](#) - Christophe Bedard (merged 2024-02-07)
 - ros2/rosbag2
 - [Add topic_id returned by storage to the TopicMetadata](#) - Michael Orlov (merged 2024-02-06)
 - [Workaround for flaky test_play_services running with fastrtps](#) - Michael Orlov (merged 2024-02-02)
- **Bosch: Christian Henkel**
 - ros/diagnostics
 - WIP: diagnostics CLI
 - cpu_monitor
- **Canonical: Jeremie Deray**
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- **eProsima: Jaime Martin Losa**
 - WIP: Large Data Improvements
 - WIP: XTypes Refactor
 - January Releases:
 - [ROS2/DDS Monitor 2.0](#)
 - [Fast DDS 2.13.0](#)
- **Foxglove: Adrian Macneil**
 - foxglove/mcap
 - [Use individual fork to submit homebrew updates](#) - Adrian Macneil (merged 2024-02-14)
 - [cli: info does not segfault on large byte values](#) - james-rms (merged 2024-02-14)
 - [go: reader: fall back to linear scan if statistics show messages outside chunks](#) - james-rms (merged 2024-02-13)
 - [mcap convert: Fix duplicate type definition in ROS2 schemas](#) - Hans-Joachim Krauch (merged 2024-02-01)
 - [Add release process to readme](#) - Bryan Fox (merged 2024-01-23)
 - [Bump version to 1.1.1](#) - Bryan Fox (merged 2024-01-23)
 - [CLI: Append attachments to merged mcap files](#) - Bryan Fox (merged 2024-01-23)
 - foxglove/omgidl
 - [Add discriminator value to union fields messages](#) - Sam Nosenzo (merged 2024-02-13)
 - [Allow struct to contain member with same name](#) - Sam Nosenzo (merged 2024-02-13)
 - [Bump @foxglove/omgidl-serialization to 1.0.4](#) - Hans-Joachim Krauch (merged 2024-01-31)
 - [Improve omgidl deserialization performance](#) - Hans-Joachim Krauch (merged 2024-01-31)
 - foxglove/rosmsg
 - [v5.0.3](#) - Hans-Joachim Krauch (merged 2024-01-22)
 - [handle duplicate types](#) - Hans-Joachim Krauch (merged 2024-01-22)
 - foxglove/rosmsg-serialization
 - [fix encoding of non-ascii strings](#) - Jacob Bades-Storch (merged 2024-01-22)

- **Intel: Harold Yang**
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- **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) since the January TSC meeting
 - Continued progress on rmw_zenoh_cpp
 - Continued progress on rclcpp_action race conditions
 - Continued work on transitioning Rolling to Ubuntu 24.04
- **iRobot: Alberto Soragna**
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- **Microsoft: Lou Amadio**
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- **PickNik: Henning Kayser**
 - ros-planning/moveit.ros.org
 - [Update GSoC24 project descriptions](#) - Henning Kayser (merged 2024-02-14)
 - [Add GSoC24 Projects Page](#) - Henning Kayser (merged 2024-01-26)
 - ros-planning/moveit2
 - [Add parameter api integration test](#) - Sebastian Jahr (merged 2024-02-13)
 - [srdf publisher node](#) - Tyler Weaver (merged 2024-02-13)
 - [CMake format and lint in pre-commit](#) - Tyler Weaver (merged 2024-02-13)
 - [Get robot description from topic in GetUrdfService](#) - Abishalini Sivaraman (merged 2024-02-13)
 - [Shut down PSM publishing before starting to publish on a potentially new topic](#) - Sebastian Castro (merged 2024-02-09)
 - [Fix bug in GetUrdfService move_group capability](#) - Sebastian Jahr (merged 2024-02-07)
 - [Clean-up hybrid planning package](#) - Sebastian Jahr (merged 2024-01-31)
 - [Remove unused python content from planning interface directory](#) - Sebastian Jahr (merged 2024-01-30)
 - [Attempt to use SCHED_FIFO for Servo regardless of RT kernel](#) - Stephanie Eng (merged 2024-01-26)
 - [Exit loop when position can't change. \(backport #2307\)](#) - Nacho Mellado (merged 2024-01-23)
 - [avoid a relative jump threshold of 0.0](#) - Mario Prats (merged 2024-01-22)
 - [Acceleration Limited Smoothing Plugin for Servo](#) - Paul Gesel (merged 2024-01-19)
 - [Add get group urdf capability](#) - Sebastian Jahr (merged 2024-01-18)
 - ros-planning/moveit2_tutorials
 - [Use os.path.join for all paths in MoveItCpp tutorial launch file](#) - Sebastian Castro (merged 2024-02-10)
 - ros-planning/moveit_task_constructor
 - [Propagate errors from planners.](#) - Abishalini Sivaraman (merged 2024-01-25)
 - [Distinguish between collision and bound error in JointInterpolationPlanner](#) - Sebastian Jahr (merged 2024-02-07)

- ros-planning/navigation.ros.org
 - [Update the default ports](#) - Davide Faconti (merged 2024-02-12)
- ros-planning/navigation2
 - [\[behavior_tree\] support both ports and blackboard](#) - Davide Faconti (merged 2024-02-12)
 - [\[behavior_tree\] don't repeat yourself in "blackboard->set"](#) - Davide Faconti (merged 2024-01-26)
- ros2/geometry2
 - [Normalize Quaternions](#) - Paul Gesel (merged 2024-01-25)
- **ROBOTIS: Will Son**
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- **ROS Industrial: Matt Robinson**
 - **Technical**
 - <https://github.com/ros-infrastructure/reprepo-updater/pull/197>
 - https://github.com/ros-controls/ros2_control_ci/pull/2
 - <https://github.com/ros/rosdistro/pull/39793>
 - <https://github.com/ros2/launch/pull/758>
 - Issues: https://github.com/ros-industrial/ros_qtc_plugin/issues/492
 - Promotional/Educational
 - ROS-I EU Developers Meeting - Feb 13
 - ROS-I Americas Developers Meeting - Jan 9
 - Tolerance of Waypoints & Visualizations of segmented meshes
 - Finalized Agenda for ROS-I Consortium Americas Annual Meeting - Thanks to all those that are speaking. March 27 & 28 in San Antonio.
 - Finalized training agenda - new tools for calibration - training set for Feb 20-22 in ROS 2.
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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
 - ros2/rcldpy
 - "forbid parameter to be declared statically without initialization." | Tomoya Fujita | <https://github.com/ros2/rcldpy/pull/1216> (merged 2024-02-09)
 - ros2/ros2_documentation
 - "update Jazzy release note." | Tomoya Fujita | https://github.com/ros2/ros2_documentation/pull/4160 (merged 2024-02-12)
 - ros2/ros2cli
 - "ros2 param dump should handle empty list as exception." | Tomoya Fujita | <https://github.com/ros2/ros2cli/pull/881> (merged 2024-02-09)
 - ros2/rosbag2

- "Use rw_lock to protect mcap metadata lists." | Tomoya Fujita | <https://github.com/ros2/rosbag2/pull/1561> (merged 2024-02-03)
 - "Update the parameters of the play command based on review comments of..." | Barry Xu | <https://github.com/ros2/rosbag2/pull/1555> (merged 2024-02-02)
- **GVSC: Jerry Towler (SwRI)**
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- **Toyota Research Institute: Ian McMahon**
 - ament/ament_cmake
 - [ament/ament_cmake#501](#)
 - Added a new cmake flag to enable isolation (in review)
 - ros-perception/image_common
 - [ros-perception/image_common#275](#)
 - Added rclcpp component to Republish (in review)
 - [ros-perception/image_common#294](#) & [ros-perception/image_common#295](#) [backports]
 - Add missing definition for CameraPublisher::publish overload (merged)
 - [ros-perception/image_common#298](#) & [ros-perception/image_common#299](#) [backports]
 - Implement CameraSubscriber::getNumPublishers (merged)
 - ros-perception/image_pipeline
 - [ros-perception/image_pipeline#829](#)
 - Improved Image view dynamic parameters description (merged)
 - [ros-perception/image_pipeline#844](#) & [ros-perception/image_pipeline#845](#) [forward-port]
 - Depth image transport configure subscribers (merged)
 - [ros-perception/image_pipeline#864](#) & [ros-perception/image_pipeline#865](#) [backports]
 - Use cv::DestroyAllWindows (merged)
 - [ros-perception/image_pipeline#866](#)
 - Add support for floating point fps (merged)
 - [ros-perception/image_pipeline#867](#) (ROS1 port)
 - ROS 2: depth_image_proc/point_cloud_xyzi_radial Add intensity conversion (copy) for float (merged)
 - [ros-perception/image_pipeline#868](#)
 - Support MONO16 image encodings: point_cloud_xyz (merged)
 - [ros-perception/image_pipeline#869](#)
 - support rgba8 and bgra8 encodings by skipping alpha channel (merged)
 - [ros-perception/image_pipeline#870](#)
 - ROS 2: Add option to prepend timestamp to image filename in image_saver node (merged)
 - [ros-perception/image_pipeline#871](#)

- ROS 2: Fixing thrown Exception in camerachecker.py (merged)
- [ros-perception/image_pipeline#872](#)
 - ROS 2: Add option to use the RGB image timestamp for the registered depth image (merged)
- [ros-perception/image_pipeline#873](#)
 - ROS 2: Added more aruco dicts, fixed aruco linerror bug (merged)
- [ros-perception/image_pipeline#874](#)
 - ROS 2: Merged resize.cpp: fix memory leak (merged)
- [ros-perception/image_pipeline#877](#) & [ros-perception/image_pipeline#878](#) [backports]
 - Add support for floating point fps (merged)
- [ros-perception/image_pipeline#879](#) & [ros-perception/image_pipeline#880](#) [backports]
 - ROS 2: depth_image_proc/point_cloud_xyzi_radial Add intensity conversion (copy) for float (merged)
- [ros-perception/image_pipeline#881](#) & [ros-perception/image_pipeline#882](#) [backports]
 - Support MONO16 image encodings: point_cloud_xyz (merged)
- [ros-perception/image_pipeline#885](#) & [ros-perception/image_pipeline#886](#) [backports]
 - [backport iron] ROS 2: Add option to prepend timestamp to image filename in image_saver node (merged)
- [ros-perception/image_pipeline#887](#) & [ros-perception/image_pipeline#888](#) [backports]
 - ROS 2: Fixing thrown Exception in camerachecker.py (merged)
- [ros-perception/image_pipeline#889](#), [ros-perception/image_pipeline#890](#) [backports]
 - ROS 2: Added more aruco dicts, fixed aruco linerror bug (merged)
- [ros-perception/image_pipeline#891](#) & [ros-perception/image_pipeline#892](#) [backports]
 - ROS 2: Merged resize.cpp: fix memory leak (merged)
- [ros-perception/image_pipeline#893](#) & [ros-perception/image_pipeline#894](#) [backports]
 - ROS 2: Add option to use the RGB image timestamp for the registered depth image (#872) (merged)
- [ros-perception/image_pipeline#895](#) & [ros-perception/image_pipeline#896](#) [backports]
 - support rgba8 and bgra8 encodings by skipping alpha channel (merged)
- [ros-perception/image_pipeline#897](#) & [ros-perception/image_pipeline#898](#) [backports]
 - enable autosize parameter in disparity view (merged)

- [ros-perception/image_pipeline#899](#), [ros-perception/image_pipeline#901](#), & [ros-perception/image_pipeline#902](#) [backports]
 - ROS 2: Fixed CMake (merged)
 - [ros-perception/image_pipeline#907](#) & [ros-perception/image_pipeline#908](#) [backports]
 - stereo_image_proc: cleanup cmake (merged)
 - [ros-perception/image_pipeline#909](#)
 - Removed Boost dependency (merged)
 - [ros-perception/image_pipeline#910](#)
 - Port image_proc test to ROS 2 (merged)
 - [ros-perception/image_pipeline#911](#), [ros-perception/image_pipeline#913](#), & [ros-perception/image_pipeline#914](#) [backports]
 - Removed cfg files related with ROS 1 parameters (merged)
 - [ros-perception/image_pipeline#915](#), [ros-perception/image_pipeline#916](#) & [ros-perception/image_pipeline#917](#) [backports]
 - Fixed image types in depth_image_proc (merged)
- ros-visualization/rqt
 - [ros-visualization/rqt#299](#)
 - Allow to autocomplete namespaced topics (merged)
 - [ros-visualization/rqt#301](#) & [ros-visualization/rqt#302](#)
 - [backports] Allow to autocomplete namespaced topics (merged)
- ros2/common_interfaces
 - [ros2/common_interfaces#237](#)
 - Update CompressedImage (in review)
- ros2/geometry2
 - [ros2/geometry2#645](#)
 - Removed obsolete headers (merged)
 - [ros2/geometry2#646](#)
 - [WIP] Enable Twist interpolator (in review)
- ros2/rclcpp
 - [ros2/rclcpp#2413](#)
 - Removed deprecated header (merged)
- ros2/rcpputils
 - [ros2/rcpputils#185](#)
 - Included tl_expected (merged)
- ros2/ros2
 - [ros2/ros2#1516](#)
 - Added point_cloud_transport (merged)
- ros2/rviz
 - [ros2/rviz#1132](#)
 - Crash when a DepthCloud plugin is loaded from a config file (in progress)
 - [ros2/rviz#1133](#)

- Fixed crash on DepthCloudPlugin (in review)
- [ros2/rviz#1134](#)
 - Fixed transport name in DepthCloud plugin (merged)
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- **Wind River: Andrei Kholodnyi**
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- **Zettascale: Angelo Corsaro**
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