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 2023-05-18.
- This report covers work done since the previous TSC meeting: 2023-04-20 - 2023-05-18. 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 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.
- 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 superbad bug (comment)

Reports

- **Amazon: Aaron Blasdel**
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- **Apex.AI: Lyle Johnson**
  - ros2/ros2_documentation
    - Update 'Motion planning for a MoverIt 2 arm' link on Demos page - Christophe Bedard (merged 2023-05-17)
    - Remove 'Using Turtlebot 2' link on Demos page - Christophe Bedard (merged 2023-05-17)
    - Update rosbag2 section in Iron release notes - Michael Orlov (merged 2023-05-15)
  - ros2/rosc2_tracing
    - Detect issue with LTTng and Docker and report error when tracing - Christophe Bedard (merged 2023-05-03)
    - Improve test coverage of rclcpp_callback_register in test_tracetools - Christophe Bedard (merged 2023-05-03)
    - Expect binaries to include tracepoints in sanity check CI job - Christophe Bedard (merged 2023-05-02)
    - Switch <depend> to <exec_depend> in pure Python packages - Christophe Bedard (merged 2023-05-02)
- roo2/roosbag2
  - Add recorder stop() API - Michael Orlov (merged 2023-05-03)
  - Address flakiness in roosbag2_play_end_to_end tests - Michael Orlov (merged 2023-05-12)
  - Store metadata in db3 file directly - Michael Orlov (merged 2023-05-04)
  - Add confio option to use storage_id parameter in benchmark_launch.py - Michael Orlov (merged 2023-05-02)
  - Fix warning from ClassLoader in sequential compression reader and writer - Michael Orlov (merged 2023-05-03)

- Bosch: Christian Henkel
  - ros/diagnostics
    - Iron support - Christian Henkel (merged 2023-05-17)
    - Removing magic numbers in code - Christian Henkel (merged 2023-04-24)

- Canonical: Jeremie Deray

- eProsima: Jaime Martin Losa
  - Fast DDS officially supports QNX 7.1h
  - New eProsima Fast DDS Spy: A Powerful Tool for DDS Network Introspection

- Foxglove: Adrian Macneil
  - foxglove/cdr
    - use it each for tests that should be tested across all Encapsulation types - Sam Nosenzo (merged 2023-05-12)
  - foxglove/mcap
    - 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)
    - Fix mcap conversion for bzip2 bags - Wyatt Alt (merged 2023-05-15)
    - TypeScript Text Annotations example - Sam Nosenzo (merged 2023-05-11)
    - Ensure errors from the merge command contain the filename that produced... - Wyatt Alt (merged 2023-05-04)
    - doctor: do not error on schemaless channels - james-rms (merged 2023-04-30)
    - Add profile switch for CLI operations - Wyatt Alt (merged 2023-04-26)

- Foxglove/rost-foxglove-bridge
  - Release/0.6.2 - Hans-Joachim Krauch (merged 2023-05-11)
  - Replaced set_difference to copy_if because it is used on unordered_set - Hans-Joachim Krauch (merged 2023-05-11)
  - Release/0.6.1 - Hans-Joachim Krauch (merged 2023-05-05)
  - Fix warning messages not being logged - Hans-Joachim Krauch (merged 2023-05-05)
  - Release/0.6.0 - Hans-Joachim Krauch (merged 2023-05-04)
  - Add support for nested parameters (ROS1) - Hans-Joachim Krauch (merged 2023-05-04)
  - Catch exceptions thrown in handler functions, send status to client - Hans-Joachim Krauch (merged 2023-04-28)
- **Fix unhandled xmlrpc exception** - Hans-Joachim Krauch (merged 2023-04-20)
  - foxglove/studio
    - 132 commits
  - ros2/rosbag2
    - [Iron] (pre-backport #1337) Change subscriptions from GenericSubscription to SubscriptionBase - Emerson Knapp (merged 2023-05-18)
    - Change subscriptions from GenericSubscription to SubscriptionBase - Emerson Knapp (merged 2023-05-18)

- **Intel: Harold Yang**
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- **Intrinsic: Chris Lalancette**
  - 363 contributions to the following 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
  - Management of the Iron tutorial party
  - Review and fixes for the Iron release
  - Iron release process

- **iRobot: Alberto Soragna**
  - Fix data-race in events-executor https://github.com/ros2/rclcpp/pull/2177
  - Fix thread-safety when accessing entity collection https://github.com/ros2/rclcpp/pull/2187
  - Add start_canceled flag when creating a timer https://github.com/ros2/rclcpp/pull/2194
  - Bug report: invalid entities in entity collection https://github.com/ros2/rclcpp/issues/2180
  - Investigating build-time increase in ROS 2 Humble: testing pre-compiled headers, explicit template instantiation and looking for root cause of the problem
    - https://discourse.ros.org/t/compilation-bloat-issue/30345/7

- **Microsoft: Lou Amadio**
  - Visual Studio Code ROS Extension (per REP-2005)
    - URDF Preview Rewrite Released to Prerelease
    - URDF for Babylon.JS implementation to support the URDF Previewer
    - Babylon.js Collada Loader to support URDF Previewer
  - WebRTC_ros ported to ROS2
  - Questions:
    - Status of RobotWebTools.org?
    - Status of code on http://github.com/RobotWebTools?

- **PickNik: Henning Kayser**
  - ros-planning/moveit
    - A version of TOTG computeTimeStamps() that accounts for torque limits - AndyZe (merged 2023-05-10)
  - ros-planning/moveit.ros.org
    - add post for GSoC 2023 participants - Mark Moll (merged 2023-05-09)
  - ros-planning/moveit2
- **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)
- **Update default planning configs to use AddTimeOptimalParameterization** - Anthony Baker (merged 2023-05-10)
- **Update README build badges for Iron** - Henning Kayser (merged 2023-05-09)
- **Fix collision checking in VisibilityConstraint** - Joseph Schornak (merged 2023-05-09)
- **Alphabetize, smart pointer not needed** - AndyZe (merged 2023-05-05)
- **2.7.3** - Tyler Weaver (merged 2023-04-24)
- **Document pausing better** - AndyZe (merged 2023-04-20)
  - **ros-planning/moveit2_tutorials**
    - **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)
    - **Servo API update** - AndyZe (merged 2023-04-27)
    - **Continuation of "Adding kinematics cost function tutorial #462"** - Sebastian Jahr (merged 2023-04-27)
  - **ros-planning/moveit_resources**
    - **Add stomp config** - Sebastian Jahr (merged 2023-05-14)
    - **Remove comments from scalars** - Stephanie Eng (merged 2023-04-21)
  - **ros-planning/stomp_moveit**
    - **Penalty-based path constraints** - Henning Kayser (merged 2023-05-08)
    - **Replace visual_tools to publish planned trajectory** - Sebastian Jahr (merged 2023-05-05)
- **ROBOTIS: Will Son**
  - **ROS Industrial: Matt Robinson**
    - Initiated ROS 2 update of ROS-I Training from Foxy to Humble
    - Shared with select set of testers ROS 2 of Reach for all distros PR 43 and 44 under [https://github.com/ros-industrial/reach/](https://github.com/ros-industrial/reach/)
    - Presented new advanced ROS 2 topic on building motion planning pipelines
    - Numerous commits to motoros2 - supporting the Yaskawa motoman driver release later this month.
- **Samsung: ???**
  - **Sony: Tomoya Fujita**
    - ros2/demos
      - "Add demos for using logger service" | Barry Xu | [https://github.com/ros2/demos/pull/611](https://github.com/ros2/demos/pull/611) (merged 2023-05-16)
- "avoid unstable LaserScan status for rviz2" | Chen Lihui | https://github.com/ros2/demos/pull/614 (merged 2023-05-08)
- ros2/rcl
  - "localhost_only prevails auto discovery options if enabled." | Tomoya Fujita | https://github.com/ros2/rcl/pull/1069 (merged 2023-05-17)
- ros2/rclc
  - "Revert "Decouple rosout publisher init from node init. (#351)"" | Tomoya Fujita | https://github.com/ros2/rclc/pull/352 (merged 2023-05-02)
  - "Decouple rosout publisher init from node init." | Tomoya Fujita | https://github.com/ros2/rclc/pull/351 (merged 2023-04-28)
- ros2/rclcpp
  - "Fix data race, declare rclcpp callbacks before the rcl entities" | None | https://github.com/ros2/rclcpp/pull/2024 (merged 2023-05-15)
- ros2/rcp
  - "Deal with ParameterUninitializedException for parameter service (backport #1033)" | Not registered | https://github.com/ros2/rcp/pull/1041 (merged 2023-04-25)
  - "Remove repeated file in CMakeLists.txt" | Barry Xu | https://github.com/ros2/rcp/pull/1111 (merged 2023-04-20)
- ros2/rmw
- ros2/rmw_fastrtps
  - "Take all available samples on service/client on_data_available. (backport #616)" | Not registered | https://github.com/ros2/rmw_fastrtps/pull/623 (merged 2023-05-17)
  - "address clang nightly build error." | Tomoya Fujita | https://github.com/ros2/rmw_fastrtps/pull/689 (merged 2023-05-01)
- ros2/ros2_documentation
  - "use --cmake-clean-cache instead of --cmake-force-configure" | Chen Lihui | https://github.com/ros2/ros2_documentation/pull/3562 (merged 2023-05-09)
  - "a period missed" | Chen Lihui | https://github.com/ros2/ros2_documentation/pull/3595 (merged 2023-05-15)
  - "ros2pkg generates license warning messages." | Tomoya Fujita | https://github.com/ros2/ros2_documentation/pull/3535 (merged 2023-05-08)
- ros2/ros2cli
  - "ros2pkg warning message typo fix." | Tomoya Fujita | https://github.com/ros2/ros2cli/pull/827 (merged 2023-05-06)

- GVSC: Jerry Towler (SwRI)
- **Toyota Research Institute: Ian McMahon**
  - ROS2 Improve handling of dynamic discovery (ros2/ros2#1359)
    - [ros2/ros2_documentation#3519](https://github.com/ros2/ros2_documentation/pull/3519)

- **Wind River: Andrei Kholodnyi**
  - [ros2/ros2_documentation#3519](https://github.com/ros2/ros2_documentation/pull/3519)

- **Zettascale: Angelo Corsaro**
  - [ros2/ros2_documentation#3519](https://github.com/ros2/ros2_documentation/pull/3519)

- **Community: Olivier Michel**
  - **webots_ros2** version 2023.0.4 (to be released before Webots R2023b) with the following new updates:
    - New dynamic plugin for RGBD cameras.
      (https://github.com/cyberbotics/webots_ros2/pull/709)
    - Fixed xacro2proto script.
      (https://github.com/cyberbotics/webots_ros2/pull/718)
    - Fixed vertical field of view in RangeFinder plugin.
      (https://github.com/cyberbotics/webots_ros2/pull/722)
    - New driver node (WaitForControllerConnection) to start nodes when Webots is ready.
      (https://github.com/cyberbotics/webots_ros2/pull/731)
    - Cleaned unused devices in TIAGo example.
      (https://github.com/cyberbotics/webots_ros2/pull/737)
    - Other small fixes on the repository: - Cleaned E-puck example.
      (https://github.com/cyberbotics/webots_ros2/pull/712)
    - Fixed topic name update in ros2_control package.
      (https://github.com/cyberbotics/webots_ros2/pull/726)
  - **webots_ros2** version 2023.1.0 (to be released after Webots R2023b) with the following new updates:
    - Enhanced TIAGo example for better compatibility with real robot.
      (https://github.com/cyberbotics/webots_ros2/pull/717)
  - **webots_ros2 documentation**:
    - A PR is under review on the official ROS 2 documentation to submit new tutorials (installation on all platforms) and a new file structure for the Simulators section. The original basic tutorial will now be in two parts to avoid too long tutorials. (https://github.com/ros2/ros2_documentation/pull/3357).

- Once **webots_ros2** version 2023.1.0 is released, the basic tutorial will have to be updated with the new nodes.

- **Community: Francisco Martín Rico**
  - URDF Meeting:
    https://discourse.ros.org/t/short-term-wg-about-urdf-description-formats/30843/1
  - Local Spanish User Group meeting:
    https://discourse.ros.org/t/reunion-ros-es-sp-10-04-23/30662/2
  - Work with several packages: MOCAP4ROS2, PlanSys2, …
○ Participating in Iron Irwini Testing and Tutorial Party, May 3rd, 2023