

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 **15 April 2021**.
- This report covers work done since the previous TSC meeting: **19 March 2021 - 15 April 2021**. 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.
- Easy way to generate report:
<https://github.com/ros-tooling/ros-github-scripts#ros-github-contribution-report>
- Example:
 - foo_org/bar_pkg
 - Implemented the whizbang feature ([PR](#))
 - Investigated and reported on the superbad bug ([comment](#))

Reports

- **ADLINK Technology: Joe Speed**
 - Eclipse Cyclone DDS with Eclipse iceoryx zero copy built-in is ADLINK + Apex.AI joint effort with [many PRs](#)
 - loaned message zero-copy API change by Apex.AI merged with rmw_cyclonedds [PRs](#)
 - async including latency budget QoS support by Apex.AI merged [#685](#)
 - Improvements for OR CI build process [#758 #739](#)
 - Add Clang-Tidy C++ linter and enable static analysis during builds [#732](#)
 - Merged Emerson's RMW_DURATION_INFINITE change [#288](#)
 - Replaced Java based IDL compiler [#723](#)
 - Windows build fixes
 - Azure Pipelines [support](#)
- **Amazon: Aaron Blasdel**
 - By Authors: emersonknapp
 - To Repositories in Organizations: ros-infrastructure, ros-tooling, ros2
 - Merged Since: 2021-03-19
 - This report generated: 2021-04-14
 - Contribution count: 30
 - ros-tooling/action-ros-ci
 - [Track v0.1 for setup-ros instead of specific patch version - more accurate to user experience](#) - Emerson Knapp (merged 2021-04-06)

- [Always update apt before installing rosdeps](#) - Emerson Knapp (merged 2021-04-06)
- ros-tooling/libstatistics_collector
 - [Use latest versions of CI actions](#) - Emerson Knapp (merged 2021-03-31)
- ros-tooling/setup-ros
 - [Revert "Update colcon-* versions \(#361\)"](#) - Emerson Knapp (merged 2021-04-06)
- ros2/rmw_connex
 - [Take and return new RMW_DURATION_INFINITE correctly](#) - Emerson Knapp (merged 2021-03-23)
- ros2/rosbag2
 - [Add set_rate to PlayerClock](#) - Emerson Knapp (merged 2021-04-13)
 - [Enforce non-null now_fn in TimeControllerClock](#) - Emerson Knapp (merged 2021-04-13)
 - [Fix pause_snapshot behavior and add regression test](#) - Emerson Knapp (merged 2021-04-13)
 - [Pause/resume PlayerClock](#) - Emerson Knapp (merged 2021-04-12)
 - [Add rosbag2_interfaces package with playback service definitions](#) - Emerson Knapp (merged 2021-04-12)
 - [Remove -Werror from CMakeLists.txt, enable it in Action CI](#) - Emerson Knapp (merged 2021-04-08)
 - [Split Rosbag2Transport into Player and Recorder classes - first pass to enable further progress](#) - Emerson Knapp (merged 2021-04-08)
 - [/clock publisher in Player](#) - Emerson Knapp (merged 2021-04-08)
 - [Build core sources in Action CI build](#) - Emerson Knapp (merged 2021-04-06)
 - [Enable thread safety analysis for rosbag2_cpp and add annotations in TimeControllerClock](#) - Emerson Knapp (merged 2021-04-06)
 - [PlayerClock initial implementation - Player functionally unchanged](#) - Emerson Knapp (merged 2021-04-03)
 - [Fix bad_function_call by replacing rclcpp::spin_some with SingleThreadedExecutor](#) - Emerson Knapp (merged 2021-04-02)
 - [Fix rosbag2_py transport test for py capsule](#) - Emerson Knapp (merged 2021-04-01)
 - [rosbag2_py pybind wrapper for "record" - remove rosbag2_transport_py](#) - Emerson Knapp (merged 2021-03-31)
 - [Add time conversion logic diagrams to time control design](#) - Emerson Knapp (merged 2021-04-01)
 - [Design for rosbag2 handling of clock/simtime](#) - Emerson Knapp (merged 2021-03-26)
 - [Use latest tracking tags for ros-tooling actions](#) - Emerson Knapp (merged 2021-03-31)
 - [Add rosbag2_py::Player::play to replace rosbag2_transport_python version](#) - Emerson Knapp (merged 2021-03-30)
 - [Fix and clarify logic in test_play_filter test](#) - Emerson Knapp (merged 2021-03-26)
 - [Explicitly add emersonknapp as maintainer](#) - Emerson Knapp (merged 2021-03-25)

- [Add QoS decoding translation for infinite durations to RMW_DURATION_INFINITE](#) - Emerson Knapp (merged 2021-03-23)
- **REP-2005 Pending**
- ros-infrastructure/rep
 - [Add ros-tooling GitHub Action CI to REP-2005](#) - Emerson Knapp (merged 2021-03-19)
- ros-infrastructure/ros2-cookbooks
 - [Update to openssl1_1_1k after j version was removed - fix 404 errors](#) - Emerson Knapp (merged 2021-03-26)
- ros2/ci
 - [Create a version of the clang+libcxx job intended for manual run](#) - Emerson Knapp (merged 2021-04-07)
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- **Apex.AI: Lyle Johnson**
 - The zero-copy middleware Eclipse iceoryx was integrated as shared memory IPC channel into Cyclone DDS (efforts with ADLink ([ros2#1126](#), [many_in_cyclone_dds](#))
 - Async publishing feature for Cyclone DDS ([rmw_cyclonedds#685](#))
 - Adaptation of rmw_cyclone to support the loaning of messages ([rmw_cyclonedds#297](#))
 - Submitted apex_containers and apex_test_tools to rosdistro for the Galactic (rolling) release ([PR1](#)) ([PR2](#))
 - Generic publisher and subscription was merged in ([rclcpp#1452](#))
 - Add new messages to performance_test, Array64k and Array256k ([performance_test#160](#))
 - Refactor performance_test publish to reduce the number of explicit copies of messages, especially when using zero copy transfer ([performance_test#194](#))
 - Merge a community MR that updates the CycloneDDS tag to 0.8.0beta3 ([performance_test#185](#))
 - Fix the test_security job ([performance_test#196](#))
 - [RTWG documentation](#) for setup and hosting
 - Released [a ROS 2 ADE image](#) to enable easier development with [ADE](#) (open-source wrapper to Docker)
 - PR [Add play_next\(\) API to design document#708](#)
 - Review [PlayerClock initial implementation - Player functionally unchanged #689](#) which caused post review PR [Enable thread safety analysis for rosbag2_cpp and add annotations in TimeControllerClock #710](#)
 - Review [Pause/resume PlayerClock #704](#)
 - Review [clock publisher in Player #695](#)
 - With help from Karsten: proposal for PR [Split Rosbag2Transport into Player and Recorder classes - first pass to enable further progress #721](#)
- **Bosch: Karsten Knese**
 - [RCLC: Support for Windows, lifecycle support and bloom release into rolling](#)
 - [Ros-control: spawner/unspawner scripts, bugfix for release hardware resources on start/stop, documentation improvements, start of RT setup for tests](#)

- [Rosbag: WIP remodelling rosbag2_transport](#)
- **Canonical: Sid Faber**
 - [launch_ros](#)
 - https://github.com/ros2/launch_ros/pull/180
 - [catkin_pkg](#)
 - https://github.com/ros-infrastructure/catkin_pkg/pull/302
- **eProsima: Jaime Martin Losa**
 - [Fast DDS 2.3](#)
 - [Unique network flows](#)
 - [Discovery super-client](#)
 - [Statistics module API](#)
 - [New flow controller API](#)
 - [Static discovery configuration from raw string](#)
 - [Added reception timestamp to SampleInfo](#)
 - [Exposing get_unread_count on DataReader](#)
 - Micro-ROS: See Embedded WG contents:
 - [micro-ROS module for STM32CubeMX](#)
 - Shared memory adds up to multithreading to deliver inter-process
 - Static memory pools in the RMW
 - [Micro XRCE-DDS 2.0 release](#)
 - [micro-ROS on Arduino Portenta w/ WiFi](#)
 - [Agent-Client time sync](#)
 - [Support for ESP-IDF v4.3](#)
 - [Port to ESP32-C3](#)
 - [micro-ROS @ the ERF 2021](#)
 - New Integration Service Coming (WIP)
 - Visual ROS (WIP)
- **Intel: Harold Yang**
 - OpenVINO_Toolkit enabling for ROS/ROS2:
 - [change model path /opt/ros_openvino_toolkit to /opt/openvino_toolkit](#)
 - [change inputShapes.begin\(\)->first to input_info.begin\(\)->first.c_str\(\)](#)
 - [Modified yaml files to fit new model dir feature](#)
 - [Remove pipeline_param.launch which has no sense at all \[issue #158\]](#)
 - [Adapt to segmentation function in ov2020.3 \[issue #156\]](#)
 - [Add logical judgment for 'landmarks_topic'](#)
 - [Change local variable name 'hp' which is not fit the semantic logic](#)
 - [Separate rviz from launch file](#)
 - [Fixed bugs , make ROSTopic and RvizTopic able to launch](#)
 - [enable Object Detection SSD models.](#)
 - [fix instance error for base models](#)
 - [Enable object_detection_ssd_model \[issue #147\]](#)
 - [update people_msgs package to version 0.9.0](#)
 - [update sample package to version 0.9.0](#)
 - [remove useless CMake dependencies.](#)
 - [fixed some bugs for node launch well \[issue #142\]](#)
 - PR(#202, #203) have been merged to support **OpenVINO 2021.1**

- Full function validation(for **OpenVINO 2021.1/2/3**) and document updates are ongoing.
- **iRobot: Ori Taka**
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- **LG Electronics: Lokesh Kumar Goel**
 - Upgrade to webOS OSE v2.10.0 and latest upstream layers (Yocto 3.3 Hardknott is almost released now):
 - <https://github.com/ros/meta-ros-webos/pull/11> [dunfell][gatesgarth][hardknott][master] Cleanup and support for webOS OSE v2.10.
 - <https://github.com/ros/meta-ros/pull/807> [build] Update to latest revisions of upstream layers
 - <https://github.com/ros/meta-ros/pull/821> [build] Update to latest revisions of upstream layers
 - Initial support for ROS 1 Noetic (core image builds and passes sanity test, there are many build failures with world build which will be fixed incrementally in separate PRs):
 - <https://github.com/ros/meta-ros/pull/712> [dunfell][gatesgarth][hardknott][master] Add support for ROS 1 noetic 2021-03-12 release
 - <https://github.com/ros/meta-ros/pull/722> [build] Add support for ROS 1 noetic and update to latest revisions of upstream layers
 - <https://github.com/ros/meta-ros/pull/828> [dunfell][gatesgarth][hardknott][master] World image support for ROS 1 noetic 2021-03-12 release
 - ROS distribution upgrades:
 - <https://github.com/ros/meta-ros/pull/806> [dunfell][gatesgarth][hardknott][master] Upgrade ROS 2 rolling to 2021-03-17 release (2020-12-29, 2021-02-19, 2021-03-17 releases)
 - <https://github.com/ros/meta-ros/pull/776> [dunfell][gatesgarth][hardknott][master] Upgrade ROS 2 foxy to 2021-03-01 release (2020-12-11, 2021-01-07, 2021-02-18, 2021-03-01 releases)
 - <https://github.com/ros/meta-ros/pull/775> [dunfell][gatesgarth][hardknott][master] Upgrade ROS 2 dashing to 2021-03-04 release (2020-12-02, 2021-01-14, 2021-02-04, 2021-03-04 releases)
 - <https://github.com/ros/meta-ros/pull/774> [dunfell][gatesgarth][hardknott][master] Upgrade ROS 1 melodic to 2021-03-18 release (2020-11-11, 2020-12-07, 2020-12-21, 2021-01-26, 2021-02-24, 2021-03-18 releases)
 - <https://github.com/ros/meta-ros/pull/829> [dunfell][gatesgarth][hardknott][master] Upgrade recipes-infrastructure to versions from newer-platform-components.list
 - Various build fixes and improvements:
 - <https://github.com/ros/meta-ros/pull/809> [dunfell][gatesgarth] Small fixes and python2 blacklist removal

- <https://github.com/ros/meta-ros/pull/810> [hardknott] Small fixes and python2 blacklist removal
 - <https://github.com/ros/meta-ros/pull/817> [dunfell][gatesgarth][hardknott][master] {foxy} build improvements for rviz
 - <https://github.com/ros/meta-ros/pull/813> [dunfell][gatesgarth][hardknott][master] {foxy} slam-toolbox: fix build errors (<https://github.com/ros/meta-ros/issues/808>)
 - <https://github.com/ros/meta-ros/pull/816> [zeus] {foxy} (test-)osrf-testing-tools-cpp: disable branch check with nobranch=1 (<https://github.com/ros/meta-ros/issues/815>)
 - <https://github.com/ros/meta-ros/pull/818> [dunfell][gatesgarth][hardknott][master] ogre
 - <https://github.com/ros/meta-ros/pull/820> [dashing][eloquent][foxy][dunfell][gatesgarth][hardknott][master] fmi-adapter{,-examples}: backport SRC_URI fix
 - <https://github.com/ros/meta-ros/pull/823> [dunfell][gatesgarth][hardknott][master] packagegroup-ros-world-*: fix typo in override
 - <https://github.com/ros/meta-ros/pull/825> [dunfell] {backports-gatesgarth} python3-pybind11=v2.5.0
 - <https://github.com/ros/meta-ros/pull/824> [melodic][noetic][dashing][eloquent][foxy][dunfell][gatesgarth][hardknott][master] rc-dynamics-api: unblacklist and fix
 - <https://github.com/ros/meta-ros/pull/826> [dunfell][gatesgarth][hardknott][master] qhull, tvm dependencies
 - <https://github.com/ros/meta-ros/pull/827> [dunfell][gatesgarth][hardknott][master][foxy][rolling] turtlesim: import fix from dashing (<https://github.com/ros/meta-ros/issues/788>)
 - <https://github.com/ros/meta-ros/pull/830> [dunfell][gatesgarth][hardknott][master] opencv: enable dnn
- **Microsoft: Lou Amadio**
 - Stood up ROS2 Rolling build pipelines for Chocolatey packages
 - Preparing release process for Galactic
 - Working on ROS2 Foxy Nuget packages for Hololens
 - Working on Unity Package Manager packages for ROS2.net & MRTK ROS extensions.
 - Bug fixes for ROS2 Debugging in VSCode
 - Investigating ROSTest debugging support in vscode.
 - Discussing condaforge convergence
- **Open Robotics: Chris Lalancette**
 - Continued work on ROS 2 per-package documentation
 - Galactic Release
 - Package releasing
 - Testing
 - Fixing broken tests
 - Documentation updates
 - >350 PRs merged in the ros2 and ament organizations
- **PickNik: Henning Kayser**

- ros-planning/geometric_shapes
 - “[ROS2]: Update version to 2.0.1” | Jafar Abdi |
https://github.com/ros-planning/geometric_shapes/pull/178 (merged 2021-04-13)
 - “Update CI Workflows [ros2]” | Tyler Weaver |
https://github.com/ros-planning/geometric_shapes/pull/175 (merged 2021-04-07)
 - “Fix ccache in CI and remove trailing whitespace [ros2]” | Tyler Weaver |
https://github.com/ros-planning/geometric_shapes/pull/174 (merged 2021-03-23)
 - “Add codecov and black” | Tyler Weaver |
https://github.com/ros-planning/geometric_shapes/pull/173 (merged 2021-03-22)
- ros-planning/moveit2
 - “Unify PickNik name in copyrights” | Tyler Weaver |
<https://github.com/ros-planning/moveit2/pull/419> (merged 2021-04-14)
 - “Remove move_group namespace” | Vatan Aksoy Tezer |
<https://github.com/ros-planning/moveit2/pull/420> (merged 2021-04-14)
 - “Fix node install directory in run_move_group” | Vatan Aksoy Tezer |
<https://github.com/ros-planning/moveit2/pull/418> (merged 2021-04-13)
 - “Update version to 2.1.1” | Jafar Abdi |
<https://github.com/ros-planning/moveit2/pull/414> (merged 2021-04-13)
 - “Declare joint limit parameters” | Boston Cleek |
<https://github.com/ros-planning/moveit2/pull/408> (merged 2021-04-11)
 - “Servo: do not cause a joint jump when SuddenHalt() is called” | AndyZe |
<https://github.com/ros-planning/moveit2/pull/410> (merged 2021-04-06)
 - “Update launch files to use ros2 control spawner” | Jafar Abdi |
<https://github.com/ros-planning/moveit2/pull/405> (merged 2021-04-01)
 - “Clone moveit2 in source docker file” | Tyler Weaver |
<https://github.com/ros-planning/moveit2/pull/404> (merged 2021-03-30)
 - “Include optional in pose_tracking” | Jafar Abdi |
<https://github.com/ros-planning/moveit2/pull/406> (merged 2021-03-30)
 - “Planar Joint Properties” | David V. Lu!! |
<https://github.com/ros-planning/moveit2/pull/390> (merged 2021-03-29)
 - “Update doxygen comments for distance() and interpolate()” | AndyZe |
<https://github.com/ros-planning/moveit2/pull/401> (merged 2021-03-30)
 - “Migrate from Travis to GitHub Actions” | Tyler Weaver |
<https://github.com/ros-planning/moveit2/pull/396> (merged 2021-03-26)
 - “Fix build directory for foxy-source image” | Jafar Abdi |
<https://github.com/ros-planning/moveit2/pull/398> (merged 2021-03-26)
 - “Add initialize function for moveit_sensor_manager plugin” | Jafar Abdi |
<https://github.com/ros-planning/moveit2/pull/386> (merged 2021-03-26)

- “Add forward_trajectory local solver plugin” | Sebastian Jahr |
<https://github.com/ros-planning/moveit2/pull/359> (merged 2021-03-25)
- “Use fake_components::GenericSystem from ros2_control” | Jafar Abdi |
<https://github.com/ros-planning/moveit2/pull/361> (merged 2021-03-25)
- “Compile underlay workspace as release without building tests for the foxy-source docker image” | Jafar Abdi |
<https://github.com/ros-planning/moveit2/pull/385> (merged 2021-03-24)
- “Add black formatter” | Tyler Weaver |
<https://github.com/ros-planning/moveit2/pull/392> (merged 2021-03-23)
- “Add fix trailing whitespace check” | Tyler Weaver |
<https://github.com/ros-planning/moveit2/pull/393> (merged 2021-03-22)
- “Add Github Actions and pre-commit for Format checking” | Tyler Weaver |
<https://github.com/ros-planning/moveit2/pull/389> (merged 2021-03-19)
- ros-planning/moveit2_tutorials
 - “Enable building only main branch” | Jafar Abdi |
https://github.com/ros-planning/moveit2_tutorials/pull/70 (merged 2021-04-14)
 - “Fix broken moveit_core api html links” | Vatan Aksoy Tezer |
https://github.com/ros-planning/moveit2_tutorials/pull/71 (merged 2021-04-14)
 - “add docs for cached ik plugin” | Mark Moll |
https://github.com/ros-planning/moveit2_tutorials/pull/67 (merged 2021-04-08)
- ros-planning/moveit_msgs
 - “Fix ccache in CI [ros2]” | Tyler Weaver |
https://github.com/ros-planning/moveit_msgs/pull/102 (merged 2021-03-23)
 - “Migrate to GitHub Actions [ros2]” | Tyler Weaver |
https://github.com/ros-planning/moveit_msgs/pull/99 (merged 2021-03-19)
- ros-planning/moveit_resources
 - “[ROS2]: Update version to 2.0.1” | Jafar Abdi |
https://github.com/ros-planning/moveit_resources/pull/60 (merged 2021-04-13)
 - “Migrate to GitHub Actions” | Tyler Weaver |
https://github.com/ros-planning/moveit_resources/pull/54 (merged 2021-03-19)
- ros-planning/random_numbers
 - “Migrate to GitHub Actions [ros2]” | Tyler Weaver |
https://github.com/ros-planning/random_numbers/pull/30 (merged 2021-04-01)
- ros-planning/srdfdom

- “[ROS2]: Update version to 2.0.1” | Jafar Abdi | <https://github.com/ros-planning/srdfdom/pull/83> (merged 2021-04-09)
 - “SRDFWriter: Add functionality to generate xml for the joint properties” | Jafar Abdi | <https://github.com/ros-planning/srdfdom/pull/82> (merged 2021-03-25)
 - “Migrate to GitHub Actions (ros2)” | Tyler Weaver | <https://github.com/ros-planning/srdfdom/pull/79> (merged 2021-03-22)
- ros-planning/warehouse_ros
 - “Add python black formatter to pre-commit” | Tyler Weaver | https://github.com/ros-planning/warehouse_ros/pull/66 (merged 2021-03-21)
 - “Fix ccache directory and upload test artifacts” | Tyler Weaver | https://github.com/ros-planning/warehouse_ros/pull/65 (merged 2021-03-21)
- ros-planning/warehouse_ros_mongo
 - “[ROS2]: Update version to 2.0.1” | Jafar Abdi | https://github.com/ros-planning/warehouse_ros_mongo/pull/52 (merged 2021-04-13)
 - “Add test_warehouse_ros_mongo_cpp in launch file test” | Jafar Abdi | https://github.com/ros-planning/warehouse_ros_mongo/pull/53 (merged 2021-04-13)
 - “Add codecov reporting and black formatting” | Tyler Weaver | https://github.com/ros-planning/warehouse_ros_mongo/pull/48 (merged 2021-03-22)
 - “Update readme with GitHub Actions badges” | Tyler Weaver | https://github.com/ros-planning/warehouse_ros_mongo/pull/45 (merged 2021-03-19)
 - “Migrate from Travis to GitHub Actions [ros2]” | Tyler Weaver | https://github.com/ros-planning/warehouse_ros_mongo/pull/43 (merged 2021-03-19)
- **ROBOTIS: Will Son**
 - Preparing TurtleBot3 SBC recovery image release
 - Updating TurtleBot3 packages for Galactic
- **Rover Robotics: Nick Fragale**
 - Working on proposed updates to REP-2005, although these became obsolete after reading the details on the Community member proposal
 - Completed initial release of our newly refactored driver libraries and ROS drivers. We documented this process and are trying to determine how to document our learnings and share this https://github.com/RoverRobotics/roverrobotics_ros2
 - We are also currently doing more work with Issac SDK and and doing compare and contrast with ROS 2 . We are also planning to document and share our learning.

- **Samsung: Steven Macenski**
 - Managing open working areas in Nav2 WG:
 - Mapviz
 - Localization framework
 - Galactic release sprint updates
 - State Lattice Planner extension for Smac planner
 - Rclcpp action race condition issues / simple action server temporary patches
 - Working on adding a state lattice planner to Nav2 in order to best support differential and omnidirectional robots that are non-circular to round off the ground based robot list
 - WIP https://github.com/ros-planning/navigation2/tree/state_lattice
 - Added Navigate Through Poses capability
 - <https://github.com/ros-planning/navigation2/pull/2271>
 - Finished complete Doxygen coverage for Nav2 (all packages, all header files) now covered by documentation
 - [Alexey] Fixes to the costmap 2D framework to separate filters from plugins in order to resolve inflation issues
 - [Alexey] Leading openVSLAM VSLAM integration into Nav2; working on ROS2 wrapper to use best practices
- **Sony: Tomoya Fujita**
 - Feature
 - ContentFilteredTopic
 - Design: <https://github.com/ros2/design/pull/282>
 - Implementation for all related components and internal review is finished. Ready to be reviewed by community.
 - RMW wait_for_acknowledgments
 - <https://github.com/ros2/rmw/issues/295>
 - RMW implementation is finished, ready to review
 - W.I.P for rcl and rclcpp, this will be used by rosbag2.
 - Incoming Reviews / Minor PRs
 - "Replace rmw_connex_cpp with rmw_connexdds" | Andrea Sorbini | <https://github.com/ros2/demos/pull/489> (merged 2021-03-24)
 - "Add publishing instrumentation" | Christophe Bedard | <https://github.com/ros2/rcl/pull/905> (merged 2021-04-06)
 - "make rcl_lifecycle_com_interface optional in lifecycle nodes" | Karsten Knese | <https://github.com/ros2/rcl/pull/882> (merged 2021-03-23)
 - "Unique network flows" | Ananya Muddukrishna | <https://github.com/ros2/rclcpp/pull/1496> (merged 2021-04-05)
 - "get_parameters_service_ should return empty if allow_undeclared_is false" | Tomoya Fujita | <https://github.com/ros2/rclcpp/pull/1514> (merged 2021-03-22)
 - "use context from `node_base_` for clock executor." | Tomoya Fujita | <https://github.com/ros2/rclcpp/pull/1617> (merged 2021-04-02)
 - "typo fix." | Tomoya Fujita | <https://github.com/ros2/rclpy/pull/768> (merged 2021-04-12)

- "Modify parameter service behavior when allow_undeclared_parameters is false and the requested parameter doesn't exist" | Tomoya Fujita | <https://github.com/ros2/rclpy/pull/661> (merged 2021-03-23)
 - "typo fix." | Tomoya Fujita | <https://github.com/ros2/rclpy/pull/729> (merged 2021-03-22)
 - "[foxy] bugfix for #563 (#570)" | Tomoya Fujita | <https://github.com/ros2/ros2cli/pull/609> (merged 2021-03-19)
 - "get_parameters_service_should return empty if allow_undeclared_is false" | Tomoya Fujita | https://github.com/ros2/system_tests/pull/466 (merged 2021-03-22)
- **GVSC: Jerry Towler (SwRI)**
 - ros2/rosbag2
 - Ongoing contributions on hold pending correlation with epic plan
 - ros2/launch
 - PR completed (<https://github.com/ros2/launch/pull/454>) pending license resolution
 - Began implementation of multi-machine launching design
- **Toyota Research Institute: Ian McMahon**
 - ros2/rclpy
 - Pybind11 for rclpy Python Bindings (tracking issue [ros2/rclpy#665](#))
 - Convert each module to use Pybind11 with the existing C to Python API
 - _rclpy broken down to several PRs
 - Merged: [#712](#), [#715](#), [#717](#), [#718](#), [#719](#), [#721](#), [#723](#), [#730](#), [#732](#), [#733](#), [#735](#), [#736](#), [#738](#)
 - _rclpy_common merged: [#727](#), [#743](#)
 - Refactor rclpy objects to use C++ classes one object at a time
 - Merged: [#737](#), [#739](#), [#741](#), [#744](#), [#745](#), [#747](#), [#748](#), [#749](#), [#750](#), [#761](#)
 - Post-Galactic PR's for Rolling (which we intend to backport into Galactic)
 - Merged: [#751](#), [#756](#), [#759](#), [#766](#), [#769](#)
 - In progress: [#767](#), [#771](#)
 - ros2/rosidl
 - Decouple rosidl generation pipeline from CMake (tracking issue [ros2/rosidl#560](#))
 - Updated architecture generalization proposal design [ros2/design#310](#) (In review)
 - Unified code generation CLI (tracking issue [ros2/rosidl#565](#)) complete
 - **Wind River: Andrei Kholodnyi**
 - Preparing VxWorks Installation instructions for the Rolling release
 - Working on the porting of the rolling release to VxWorks
 - <https://github.com/Wind-River/vxworks7-ros2-build/commit/ee0bf766af97015ec167360820f767e5e80d9813>