



## TECHNICAL GOVERNANCE COMMITTEE MEETING MINUTES

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**17 OCT 2024 / 15:00-16:30 UTC / VIRTUAL VIA ZOOM**

### ATTENDEES

OSRF: Geoff Biggs (TGC Chair), Kat Scott (Developer Advocate), Vicky Brasseur (Open Governance Advisor)

OSRA Delegates: Addisu Taddese, Angelo Corsaro, Chris Lalancette, Christine Fraser, Hemal Shah, Jason Higgins, Michael Grey, Michel Hidalgo, Steven! Ragnarok, Tully Foote

OSRA Observers: Henning Kayser, Shawn McCarthy, Zhaoyuan Cheng

### AGENDA

Geoff Biggs, TGC Chair, called the meeting to order at 15:11 on 17 Oct 2024 UTC

### Existing Business

1. Confirmation of minutes of meeting TGC-20240919-Regular
  - **Approved by consensus**
2. Project reports
  - Project update: Gazebo
    - Presented by Addisu Taddese, PMC Lead
      - Gazebo Ionic has been released
      - Had a community meeting where we showed off the demo world and highlighted 13 new features and improvements
      - Demo world showed an integration with Nav 2 and Open-RMF
      - Next release naming completed: Gazebo Jetty
      - Roadmap brainstorming also commenced: initial ideas include QT migration wrap-up, Zenoh in Gz transport, 3rd party plug-ins to

allow contributions without going into the core repository, focus on Gz web, using Gazebo more usable for synthetic data

- Discussion re: timeline and contributor needs

- Project update: Open-RMF

- Presented by Michael Grey, PMC Lead

- Demo world integration with Gazebo
    - Fleet adapter for mirror
    - New reservation system to redirect robots to a parking spot if their destination is currently being reserved by another robot
    - Opened a PR to implement async execution for rclrs
    - Discussion re: support for rust client in the ROS ecosystem

- Project update: Infrastructure

- Presented by Steven! Ragnarok, PMC Lead

- Gearing to move infrastructure to 24.04, which involves spinning up an updated chef cookbook for a much more simplified installment of Jenkins

- Project update: ROS

- Presented by Chris Lalancette, PMC Lead

- RMW Zenoh is moving at pace, majority of tests are fixed, have a few more PRs outstanding to fix a few more tests
    - Will switch to Zenoh 1.0 right after ROSCon
    - Started conda support on Windows, needs more work fo windows debug, unclear if new process will be used only for Rolling, or will be backported for Jazzy and Humble
    - Some significant executor work for Jazzy resulted in some regressions which are being tracked

### 3. Existing Business

- Status of SIGs/TCs

- Technical Committee on Enhancement Proposal Processes

- Goal: Upgrade and improvements over REP
    - Chair: Geoff Biggs
    - Members: PMC Leads
    - Working through proposals that resulted from research into comparative processes

- Technical Committee on Submissions and Generative AI

- To study the use of submissions produced, in part or in whole, by Generative AI and formulate policy options has been finalized and requires approval.
  - Chair: Steven! Ragnarok
  - Members: Geoff Biggs, Michael Carroll, Steve Macenski, Vicky Brasseur
  - Interim/temporary policy published; some in the community had trouble with the messaging around “interim”
  - Working on drafting policy and taking cues from the Eclipse and Apache Foundations
- Adoption of the Nexus project into Open-RMF - a work cell orchestration project that was open-sourced and whose copyright is owned by OSRF, but it is not currently under any of the OSRF-stewarded projects
  - OSRF Board will deliberate at the next board meeting scheduled during ROSCon
- The OSRF has joined the Eclipse Foundation’s Open Regulatory Compliance Working Group, which was formed with regards to the EU’s Cyber Resilience Act. We are opening the call for a volunteer to be our representative to this Working Group
  - Discussion re: potential candidates for OSRA’s rep to the Working Group
- The Future of Gazebo - Follow-Up
  - Release of Gazebo Ionic
  - PickNik’s adoption of Mujoco in MoveIt Pro
    - Discussion re: motivations behind decision, and how/if Gazebo needs to improve to meet needs
- Future Funding Requests
  - Reminder to PMCs to submit funding requests for future OSRA budgeting

## **New Business**

- **Versioning data stored in rosbags**

When the schema of messages changes in a recorded rosbag, an upgrade or migration path to retrofit the data needs to be provided. NVIDIA has published rosbag datasets that need a migration path as they move through changes in message schema and ROS 2 versions over time. Are there any good solutions for this already available?

- **Use of Bazel by OSRF projects**

[Bazel](#) is an artefact-based build tool that enables large-scale organisation development through aggressive caching (CI optimization and Remote Execution), consistent/reproducible builds (verifiable for chain-of-custody), and multi-language support (unifies various scripts for non-ROS libraries and tools). With Bazel 7 and modules, the tool has improved handling for the decentralised package development pattern of ROS. Should the TGC recommend that the ROS PMC adopt Bazel, or provide resources for doing so?

Other Items

- None

**Adjournment** - Geoff Biggs adjourned the meeting at 16:36 UTC.

## **ACTION ITEMS**

1. The minutes of this meeting will be circulated to the TGC for review and approval before the next TGC meeting.

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