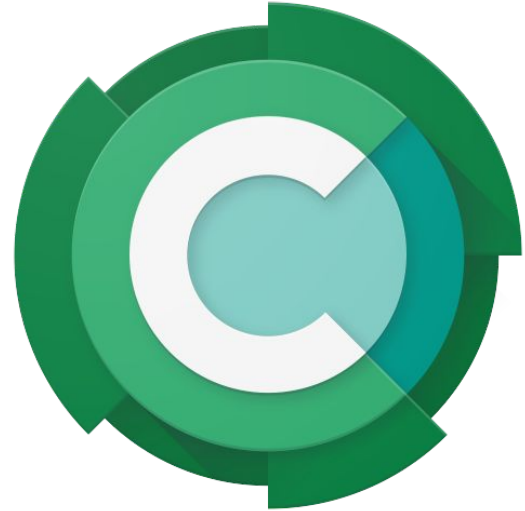


Cartographer Open House XIII

January 25, 2018



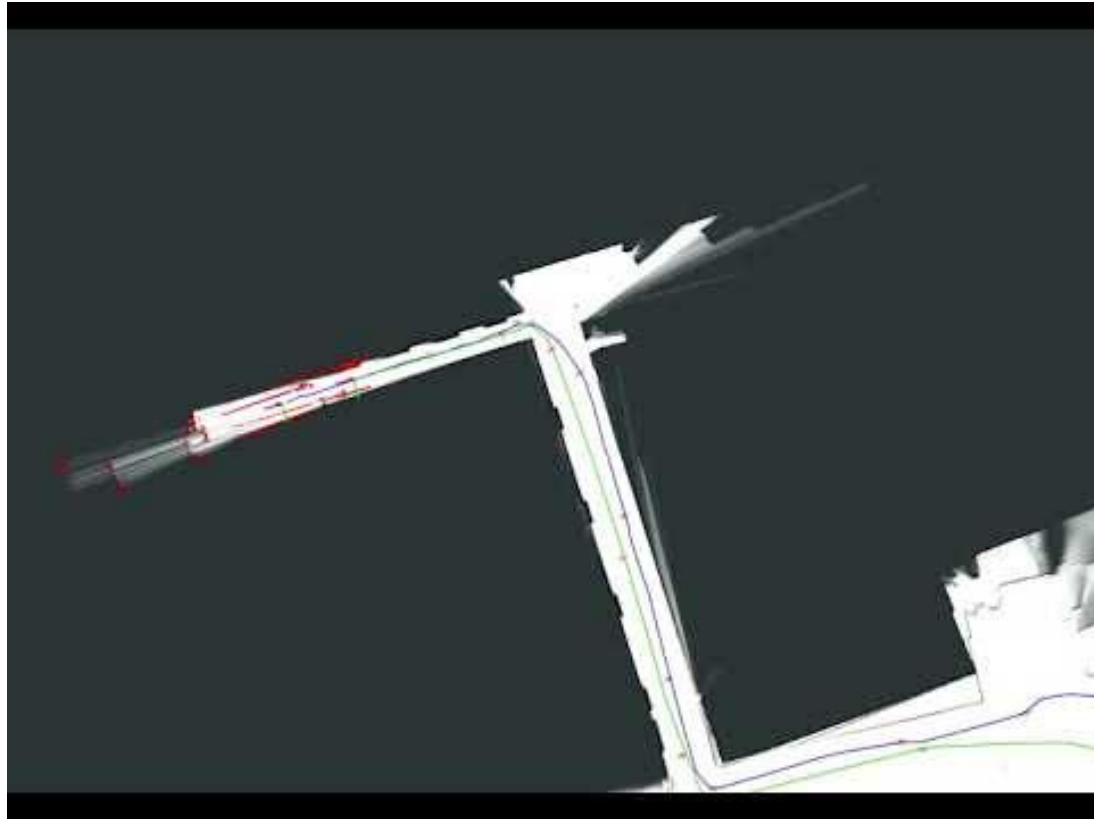
What landed on master? • cartographer

- Allow FixedRatioSampler to drop all data. (#817)
- Fix debug output for 3D loop closure error. (#826)
- CollatorInterface and TrajectoryCollator (#808, #827, #828, #829)
- Build cartographer_grpc with Bazel (#841)
- Local SLAM cloud uploader (#811, #822)

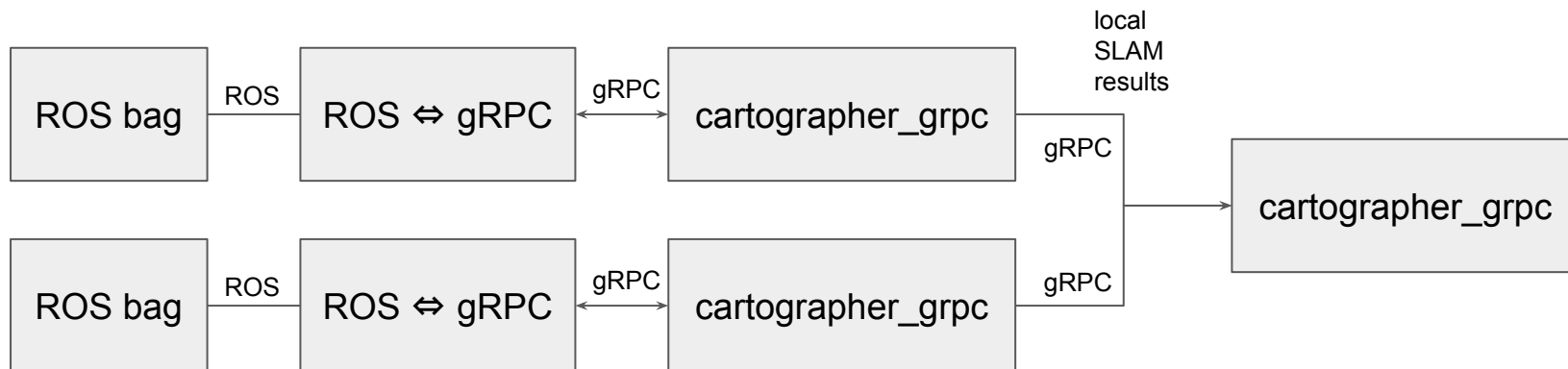
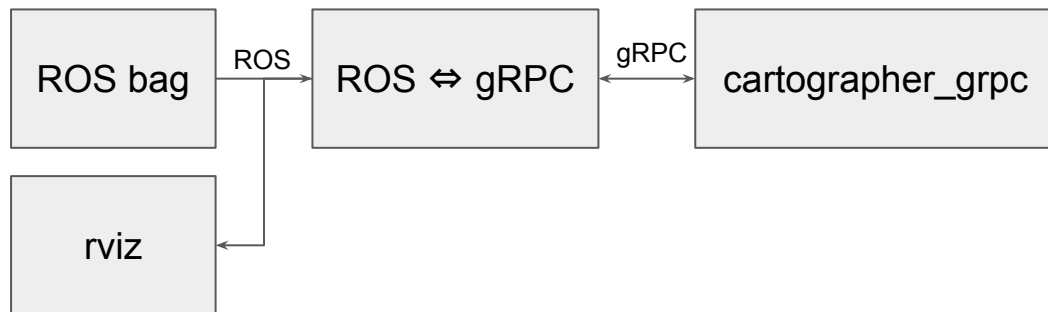
What landed on master? • `cartographer_ros`

- Cartographer_ros GPS support (#659, #660, #662, #664, #666)
- Constraints visualization: Separate inter constraints between separate trajectories (#634)
- Simultaneous offline multi trajectories (#636)

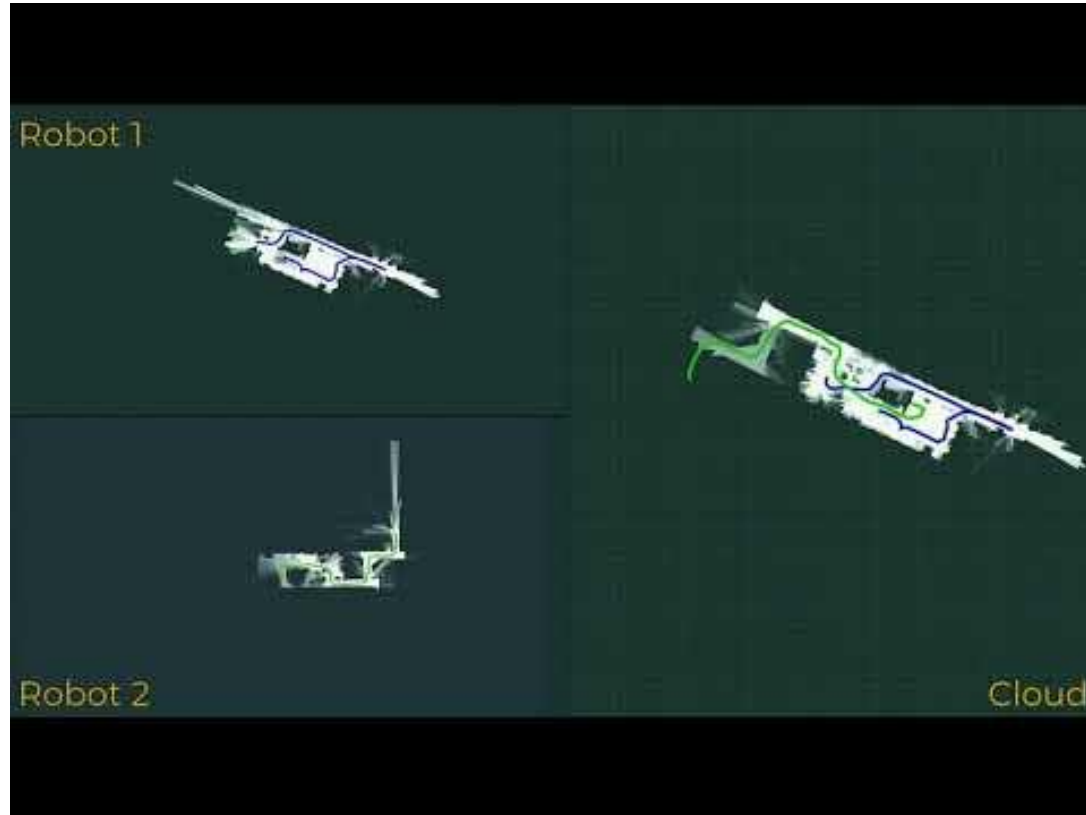
Simultaneous offline multi trajectories



Cloud-based mapping progress



Cloud-based mapping progress



What landed on master / pending PRs? • `rfcs`

- Committed: Collator Proposal
- Committed: Document ground truth features
- Committed: Improved handling of multiple trajectories in the offline node
- Committed: Add an RFC for landmark support
- Pending: SensorId struct
- Pending: Serialization header RFC
- Pending: AMCL replacement RFC
- Pending: Reconsider the role of odometry in the 2D optimization problem

Current work

- Cloud-Based Mapping
- Cartographer Monitoring
- Landmark support

Placeholder for other status reports

Thanks!

Next Open House:
February 8th, 5pm CET (8am PT)

If you would like to present anything next meeting, please reach out to
cschuet@google.com