



TECNUN 1



ROS bags

- A bag is a tool for storing message data
- Binary format → *.bag files
- Suited for logging and recording datasets for:
 - later visualization and analysis
 - Input data for simulation or to repeat tests
- Stop recording with Ctrl + C
- Bags are saved with start date and time as file name in the current folder

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ROS bags: shell commands Record all topics in a bag > rosbag record --all Record given topics > rosbag record topic_1 topic_2 topic_3 Show information about a bag > rosbag info bag_name.bag Read a bag and publish its contents > rosbag play bag_name.bag Playback options can be defined e.g. > rosbag play --rate=0.5 bag_name.bag --rate=factor Publish rate factor Publish the clock time (set param --clock use_sim_time to true) Loop playback --loop Convert a bag file using the given Python expression

> rosbag filter bag_name.bag new_bag_name.bag "Python expression"

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