









Sebastjan Šlajpah

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www.fe-ros.si www.robolab.si www.cobotic.si agro.cobotic.si



DEBUG orodja

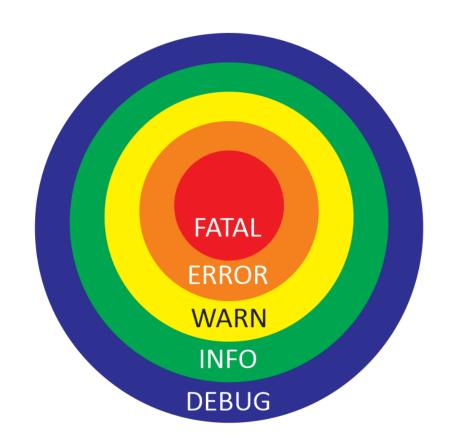
- logiranje
- rqt_console
- rqt_plot
- rqt_graph
- rosbag
- RViz



LOGIRANJE

5 nivojev:

- DEBUG
 - INFO
 - WARN
 - ERROR
 - FATAL





LOGIRANJE

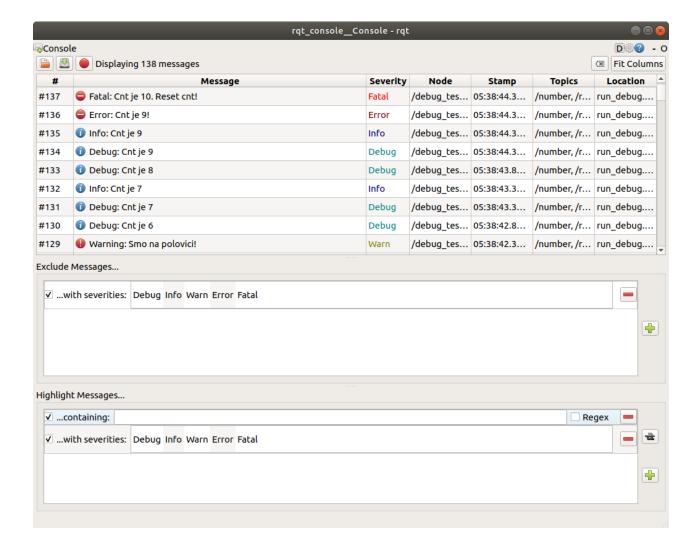
```
rospy.init_node('log_demo', log_level=rospy.DEBUG)
while not rospy.is_shutdown():
    rospy.logdebug("Debug msg")
    rospy.loginfo("Info msg")
    rospy.logwarn("Warning msg")
    rospy.logerr("Error msg" )
    rospy.logfatal("Fatal msg")
>> rosrun rpi_feros run_debug.py
```



GUI za prikaz sporočil

- filtriranje
- označevanje
- \$ rqt console



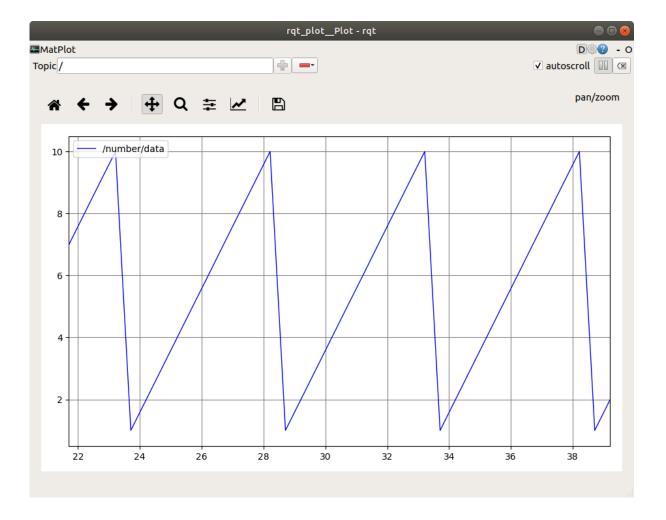




RQT_PLOT

grafični izris signalov

\$ rqt_plot

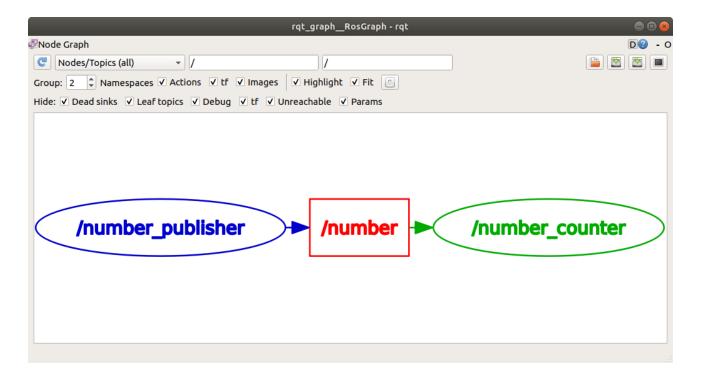




RQT_GRAPH

povezave med posameznim gradniki

\$ rqt_graph



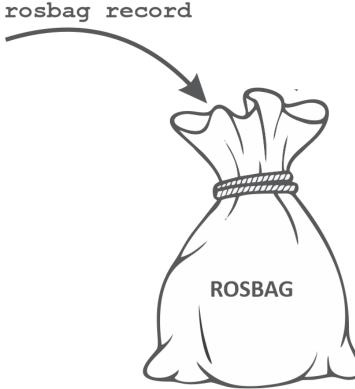


ROSBAG

Shranjevanje podatkov

```
$ rosbag record -O name_bag_file.bag topic1 ... topicN
```

-O >> output_name





ROSBAG

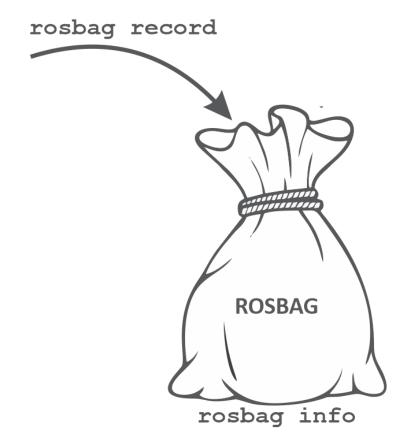
Shranjevanje podatkov

\$ rosbag record -O name_bag_file.bag topic1 ... topicN

-O >> output_name

Informacije o podatkih

\$ rosbag info name_bag_file.bag





ROSBAG

Shranjevanje podatkov

\$ rosbag record -O name_bag_file.bag topic1 ... topicN

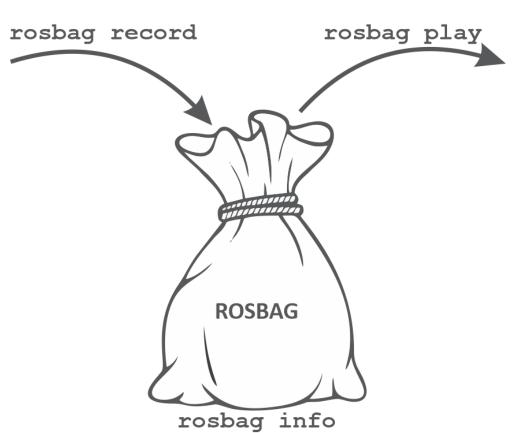
-O >> output_name

Informacije o podatkih

\$ rosbag info name_bag_file.bag

Predvajanje podatkov

\$ rosbag play name_bag_file.bag

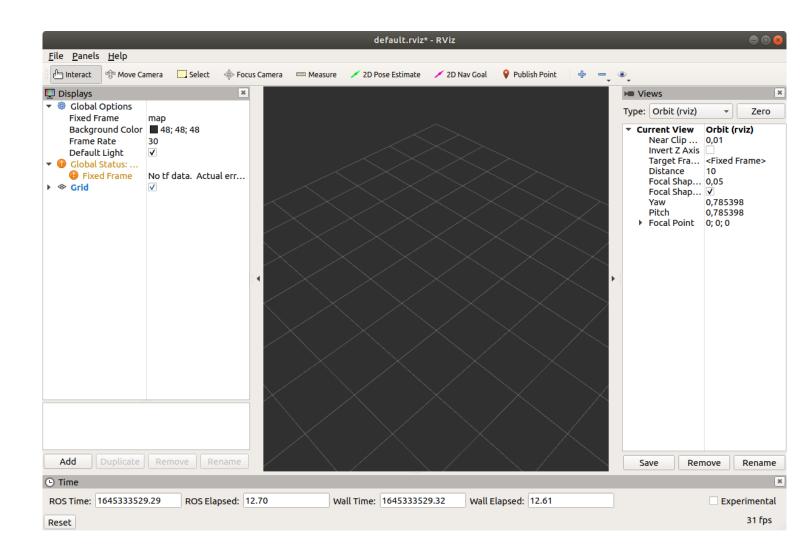




RVIZ

- RViz vizalno predstavlja podatke, ki jih pošiljajo topics
- RViz NI simulacija, predstavlja trenutno stanje robota

- \$ rviz
- \$ rosrun rviz rviz





RVIZ

