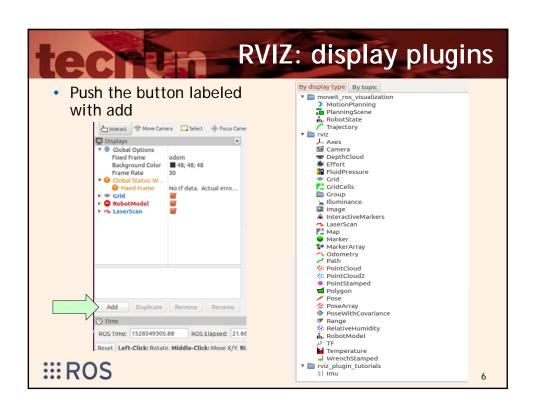
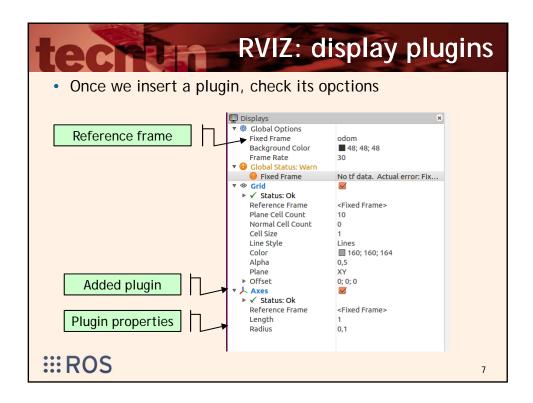


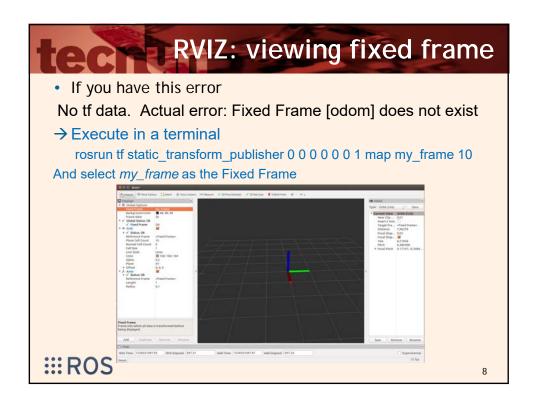


RVIZ: introduction • 3D visualization tool for ROS • Subscribes to topics and visualizes the message contents • Different camera views (orthographic, topdown, etc.) • Interactive tools to publish user information • Save and load setup as RViz configuration • Extensible with plugins • Command line help rosrun rviz rviz -help • Run RViz with rosrun rviz rviz -help • More info → http://wiki.ros.org/rviz

::: ROS











RVIZ: turtle_tf

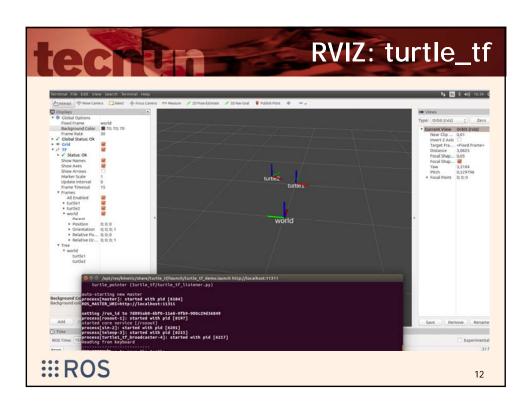
- Close everyting and start from scratch
- Terminal 1
 - > roslaunch turtle_tf turtle_tf_demo.launch
- Try to move the turtles with the cursors
- Terminal 2

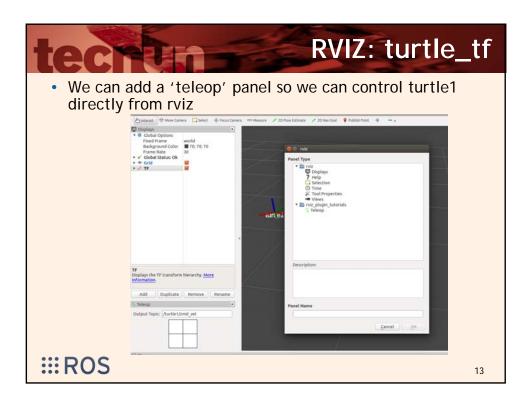
rosrun rviz rviz -d 'rospack find turtle_tf'/rviz/turtle_rviz.rviz

 Change the options as it is showed in the following slide an play with the turtles (push arrow keys when ternimal 1 is active)

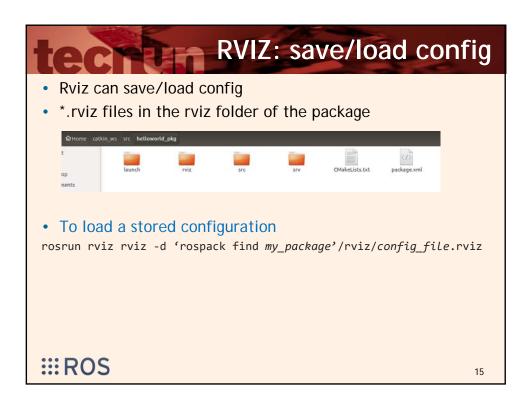
:::ROS

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Process • Open Rviz rosrun rviz rviz • Configure Rviz • Put odom as the main frame • Add RobotModel • Add Laser topic (/scan) • Send commands to /cmd_vel Move FWD rostopic pub /cmd_vel geometry_msgs/Twist '{linear: {x: 1.0}}' rosSPIN rostopic pub /cmd_vel geometry_msgs/Twist '{angular: {z: 1.0}}'

:::ROS