

ROS cheatsheet

Introduction

\$ **command** **verb** option

Executables

roslaunch run an executable in an arbitrary package

\$ roslaunch pkg exec

roslaunch run a launch file in an arbitrary packages

\$ roslaunch pkg file.launch

roscpp debugging information about nodes

\$ roscpp **verb**

info node

information about a node

list

list of available nodes

Interface management

rostopic topic interface

\$ rostopic **verb**

list list of active topics

info topic topic info

echo topic echo of topic data

hz topic topic data rate

bw topic topic bandwidth

delay topic topic delay from timestamp

type topic topic's data type

find msgs find topics of a given data type

pub msgs data publish data to a topic

rosservice service interface

\$ rosservice **verb**

list list of active service

type service service's data type

find service list of services of a given type

call srvs data call a service

rosparam parameter interface

\$ rosparam **verb**

list			list of available parameters
describe	param		parameter info
get	param		get parameter
set	param	data	set parameter
delete	param		delete parameter
dump	param	data	dump parameter of a node in yaml, file or terminal

rosviz Allows to record/play topics to/from a rosviz.

\$ rosviz **verb**

info bag info

record bag_name record a bag

play bag_name play a bag

roswtf Check ROS setup and other potential issues

\$ roswtf

Building Tool

catkin-tools

\$ catkin **build**