

ROS cheatsheet

Basic Commands

Start applications

<code>roscore</code>	start the Master
<code>roslaunch [pkg] [node]</code>	start a node
<code>roslaunch [pkg] [launch] [arg]:= [value]}</code>	start a launch file

topic

<code>rostopic list</code>	list active topics
<code>rostopic echo [topic]</code>	print messages
<code>rostopic info [topic]</code>	info (type, pubs, subs)
<code>rostopic hw [topic]</code>	publishing rate
<code>rostopic bw [topic]</code>	bandwidth used
<code>rostopic find [type]</code>	find nodes by type
<code>rostopic pub [topic] [type] [arg]</code>	publishing topic

service

<code>rosservice list</code>	list active services
<code>rosservice info [service]</code>	info (type, pubs, subs)
<code>rosservice find [type]</code>	find services by type
<code>rosservice call [service]</code>	call a service

param

<code>rosparam list</code>	list of parameters
<code>rosparam get [param]</code>	get a parameter
<code>rosparam set [param] [value]</code>	set a parameter
<code>rosparam delete</code>	delete a parameter
<code>rosparam dump [file.yaml]</code>	save parameters set to .yaml file
<code>rosparam load [file.yaml]</code>	load parameters from .yaml file

Data Structure

msgs

<code>rosmmsgs list</code>	list msg
<code>rosmmsgs info</code>	info
<code>rosmmsgs package [pkg]</code>	msg in a pkg
<code>rosmmsgs package [msgs]</code>	pkg containing the msg

srv

<code>rossrv list</code>	list srv
<code>rossrv info</code>	info
<code>rossrv package [pkg]</code>	srv in a pkg
<code>rossrv package [msgs]</code>	pkg containing the srv