

This talk has a lot of hyperlinks.
Download the slides at bit.ly/ros2contrib

Getting involved in ROS 2 development

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ROSCon 2018, Madrid

Feature workflow



ROS Discourse

ROS2 Navigation - Input requested

Next Generation ROS ros2

mkhansen May 24

Hello ROS and ROS2 users and developers! I have been in discussion with David Lu and have reached out to OSRF to start an effort to develop the ROS2 Navigation stack. We are currently investigating the needs for the next-generation Navigation stack in ROS2.

I'd like to invite you to reply with things that:

1. You like about the current ROS Navigation stack and would like to see kept the same (or equivalent functionality)
2. Things you think can be improved on and would like to see done differently, aka. your wish list

I have my own wish list but I don't want to seed the discussion, I want to hear other users thoughts.

Also, if you are an active community member and want to be involved in the development effort, please let us know that also. We have a small team right now, but desire to do this in the open with community involvement.

11 Reply

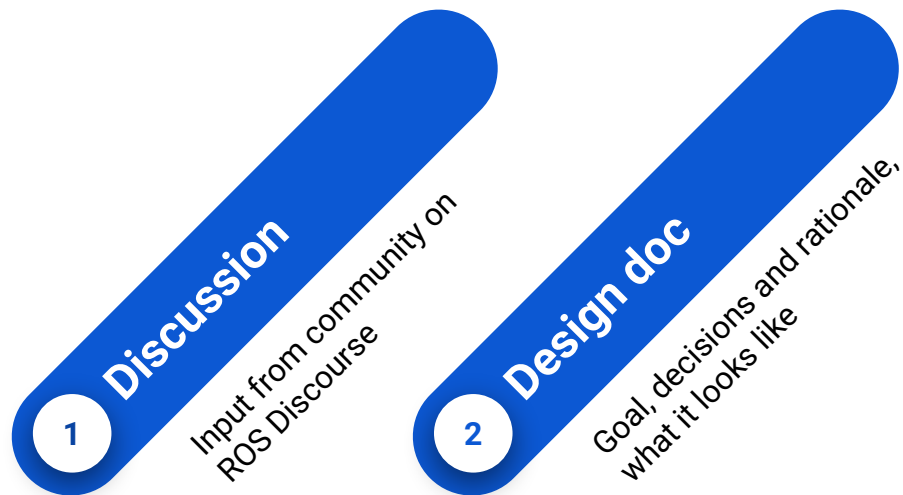
About ROS2 navigation enabling plan

created	last reply	31	1.5k	19	33	15		
May 24	Aug 14	replies	views	users	likes	links		

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May 25
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Aug 14

Example: [ROS 2 Navigation - Input requested](#) Discourse thread

Feature workflow



ROS 2 Design

- Change the Node Name
- Remap Topic and Service Names Separately

Not supported:

- Change a Token
- Pre-FQN Remapping

How the Syntax Works

The structure of a remapping rule is `match:=replacement`. `match` tests if a name should be remapped. `replacement` says what the new name will be. `:=` behaves the same as it does in ROS 1.

Example rules are:

- `foo:=bar`
- `/foo/bar:=fiz/buzz`
- `nodename:~/foo:=foo`
- `**/foo:=\1/bar`

Example: [Remapping Names](#) pull request on design.ros2.org

Feature workflow

ros2 / ros2 Unwatch 203

<> Code Issues 75 Pull requests 0 Wiki Insights Settings

Static Remapping [Meta] #450

Closed sloretz opened this issue on Jan 19 · 4 comments

sloretz commented on Jan 19 • edited

Feature request

This ticket is meant to track the implementation of static remapping.

Feature description

Static remapping is the ability to remap one name (topic, service, parameter) to another. See the [design doc](#) for more info.

Library Responsibilities

- `rc1` responsible for command line parsing and name remapping
- `rmw` libraries are completely ignorant of remapping
- clients like `rc1cpp` and `rc1py` rely on `rc1` to do remapping transparently, but have options to bypass it for special cases (ros1 bridge)

olutions

itation details,
e steps

Example: [Static remapping meta-ticket](#) on GitHub

- Library responsibility separation
- API outline
- Tracking design decisions

Feature workflow

ROS.org

ROS packages for Bouncy

Quick filter: *, SYNC, REGRESSION, DIFF, BLUE, RED, ORANGE, YELLOW, GRAY, ORPHANED

showing 244 of 244 total

- B T M the repositories
- same version
 - lower version
 - higher version
 - missing
 - obsolete
 - intentionally missing

Page was generated:
17 minutes ago

Name	Repo	Version	Status
actionlib_msgs	common_interfaces	0.5.1-0	developed
amcl	navigation	3.1.0-0	developed
ament_clang_format	ament_lint	0.5.2-0	developed

Contributions

Packaging



Feature workflow

1 Discussion

2 Design doc

3 Code contributions

4 Release & packaging

Examples of iteration:

- [Discourse discussion](#) resulting in update to Time design doc
- Bug report resulting in [re-work of namespace implementation](#)

Troubleshooting workflow



ROS Answers

Troubleshooting /
closed-ended questions on
answers.ros.org with `ros2` tag

Troubleshooting workflow



ROS Answers

Troubleshooting /
closed-ended questions on
answers.ros.org with `ros2` tag

Github issue

Sometimes cause for opening
an “issue” on GitHub for bug
report / feature request

Troubleshooting workflow



Troubleshooting /
closed-ended questions on
answers.ros.org with `ros2` tag

Answering questions

- Updating docs/wiki

Sometimes cause for opening
an “issue” on GitHub for bug
report / feature request

Bug reports

Try with:

- Latest source code
- Different DDS vendor

Feature workflow

1 Discussion

2 Design doc

3 Code contributions

4 Release & packaging

Design discussion input

Contribute PRs

Release your packages

Getting involved in ROS 2 development

1. Answer questions, improve docs: [answers.ros.org “ros2” tag](https://answers.ros.org/questions/tagged/ros2)
2. Bug reports: [Quality ROS 2 bug reports](#)
3. Contribute PRs: [ROS 2 contributing guide](#)
4. Design discussions: [ROS 2 design repo](#), [Discourse channel](#)
5. Release your work: [Wiki page](#)