

# Test of translation node

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# Test of translation node (1/5)

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1. You should be connected to a platform;
  2. In a first terminal, we will run the translation node;
  3. In a second terminal, we will publish a `/translation_to_do`.
- We will watch the mobile robot performing the `/translation_to_do` and the output of the translation node.

# Test of translation node (2/5)

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- Display of the first terminal
- The translation node is waiting for a /translation\_to\_do to perform

```
olivier@pc-robair:~/catkin_ws$ rosrun translation_action translation_action_node  
[ INFO] [1490272238.724970970]: (translation_node) waiting for a translation to perform
```

# Test of translation node (3/5)

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- Display of the second terminal
- We publish a /translation\_to\_do of 1 meter

```
olivier@pc-robair:~/catkin_ws$ rostopic pub -1 /rotation_to_do std_msgs/Float32 -- 1.57  
publishing and latching message for 3.0 seconds  
olivier@pc-robair:~/catkin_ws$ rostopic pub -1 /translation_to_do std_msgs/Float32 -- 1
```

# Test of translation node (4/5)

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- Display of the second terminal
- We publish a /translation\_to\_do of 1 meter

```
olivier@pc-robair:~/catkin_ws$ rostopic pub -1 /rotation_to_do std_msgs/Float32 -- 1.57  
publishing and latching message for 3.0 seconds  
olivier@pc-robair:~/catkin_ws$ rostopic pub -1 /translation_to_do std_msgs/Float32 - 1
```

# Test of translation node (5/5)

- Display of the first terminal after execution of /translation\_to\_do

```
[ INFO] [1490272401.056329289]: (translation_node) translation_done: 0.849274, translation_to_do: 1.000000
[ INFO] [1490272401.064884066]: (translation_node) translation_done: 0.850024, translation_to_do: 1.000000
[ INFO] [1490272401.074612714]: (translation_node) translation_done: 0.850024, translation_to_do: 1.000000
[ INFO] [1490272401.096599315]: (translation_node) translation_done: 0.850680, translation_to_do: 1.000000
[ INFO] [1490272401.110115603]: (translation_node) translation_done: 0.852086, translation_to_do: 1.000000
[ INFO] [1490272401.114580151]: (translation_node) translation_done: 0.852086, translation_to_do: 1.000000
[ INFO] [1490272401.116889399]: (translation_node) translation_done: 0.852836, translation_to_do: 1.000000
[ INFO] [1490272401.124945709]: (translation_node) translation_done: 0.854335, translation_to_do: 1.000000
[ INFO] [1490272401.137589187]: (translation_node) translation_done: 0.855085, translation_to_do: 1.000000
[ INFO] [1490272401.155346178]: (translation_node) translation_done: 0.855085, translation_to_do: 1.000000
[ INFO] [1490272401.159672491]: (translation_node) translation_done: 0.855835, translation_to_do: 1.000000
[ INFO] [1490272401.168931012]: (translation_node) translation_done: 0.857334, translation_to_do: 1.000000
[ INFO] [1490272401.217767515]: (translation_node) translation_done: 0.860333, translation_to_do: 1.000000
[ INFO] [1490272401.219667784]: (translation_node) translation_done: 0.860333, translation_to_do: 1.000000
[ INFO] [1490272401.225284219]: (translation_node) translation_done: 0.861833, translation_to_do: 1.000000
[ INFO] [1490272401.242205547]: (translation_node) translation_done: 0.862583, translation_to_do: 1.000000
[ INFO] [1490272401.252014474]: (translation_node) translation_done: 0.863332, translation_to_do: 1.000000
[ INFO] [1490272401.256531267]: (translation_node) translation_done: 0.863332, translation_to_do: 1.000000
[ INFO] [1490272401.265071947]: (translation_node) translation_done: 0.864738, translation_to_do: 1.000000
[ INFO] [1490272401.274909680]: (translation_node) translation_done: 0.865488, translation_to_do: 1.000000
[ INFO] [1490272401.284741529]: (translation_node) translation_done: 0.866894, translation_to_do: 1.000000
[ INFO] [1490272401.298478002]: (translation_node) translation_done: 0.866894, translation_to_do: 1.000000
[ INFO] [1490272401.305603356]: (translation_node) translation_done: 0.867644, translation_to_do: 1.000000
[ INFO] [1490272401.353894511]: (translation_node) translation_done: 0.869799, translation_to_do: 1.000000
[ INFO] [1490272401.360827909]: (translation_node) translation_done: 0.871955, translation_to_do: 1.000000
[ INFO] [1490272401.365157299]: (translation_node) translation_done: 0.872705, translation_to_do: 1.000000
[ INFO] [1490272401.377060289]: (translation_node) translation_done: 0.872705, translation_to_do: 1.000000
[ INFO] [1490272401.385517650]: (translation_node) translation_done: 0.873361, translation_to_do: 1.000000
[ INFO] [1490272401.402946268]: (translation_node) translation_done: 0.874766, translation_to_do: 1.000000
[ INFO] [1490272401.411678929]: (translation_node) translation_done: 0.875329, translation_to_do: 1.000000
[ INFO] [1490272401.417073267]: (translation_node) translation_done: 0.875329, translation_to_do: 1.000000
[ INFO] [1490272401.433960451]: (translation_node) translation_done: 0.876735, translation_to_do: 1.000000
[ INFO] [1490272401.436747537]: (translation_node) translation_done: 0.877391, translation_to_do: 1.000000
[ INFO] [1490272401.452676483]: (translation_node) translation_done: 0.877391, translation_to_do: 1.000000
[ INFO] [1490272401.458947427]: (translation_node) translation_done: 0.878703, translation_to_do: 1.000000
[ INFO] [1490272401.464764726]: (translation_node) translation_done: 0.879359, translation_to_do: 1.000000
[ INFO] [1490272401.475021220]: (translation_node) translation_done: 0.879359, translation_to_do: 1.000000
[ INFO] [1490272401.485699463]: (translation_node) translation_done: 0.879921, translation_to_do: 1.000000
[ INFO] [1490272401.494735257]: (translation_node) translation_done: 0.881233, translation_to_do: 1.000000
[ INFO] [1490272401.506352148]: (translation_node) translation_done: 0.881796, translation_to_do: 1.000000
```

# Test of translation\_action node (5/5)

- Display of the first terminal after execution of /translation\_to\_do

```
[ INFO] [1490272401.056329289]: (translation_node) translation_done: 0.849274, translation_to_do: 1.000000
[ INFO] [1490272401.064884066]: (translation_node) translation_done: 0.850024, translation_to_do: 1.000000
[ INFO] [1490272401.074612714]: (translation_node) translation_done: 0.850024, translation_to_do: 1.000000
[ INFO] [1490272401.096599315]: (translation_node) translation_done: 0.850680, translation_to_do: 1.000000
[ INFO] [1490272401.110115603]: (translation_node) translation_done: 0.852086, translation_to_do: 1.000000
[ INFO] [1490272401.114580151]: (translation_node) translation_done: 0.852086, translation_to_do: 1.000000
[ INFO] [1490272401.116889399]: (translation_node) translation_done: 0.852836, translation_to_do: 1.000000
[ INFO] [1490272401.124945709]: (translation_node) translation_done: 0.854335, translation_to_do: 1.000000
[ INFO] [1490272401.137589187]: (translation_node) translation_done: 0.855085, translation_to_do: 1.000000
[ INFO] [1490272401.155346178]: (translation_node) translation_done: 0.855085, translation_to_do: 1.000000
[ INFO] [1490272401.159672491]: (translation_node) translation_done: 0.855835, translation_to_do: 1.000000
[ INFO] [1490272401.168931012]: (translation_node) translation_done: 0.857334, translation_to_do: 1.000000
[ INFO] [1490272401.217767515]: (translation_node) translation_done: 0.860333, translation_to_do: 1.000000
[ INFO] [1490272401.219667784]: (translation_node) translation_done: 0.860333, translation_to_do: 1.000000
```

Do not forget to perform a test with an obstacle

```
[ INFO] [1490272401.353894511]: (translation_node) translation_done: 0.869799, translation_to_do: 1.000000
[ INFO] [1490272401.360827909]: (translation_node) translation_done: 0.871955, translation_to_do: 1.000000
[ INFO] [1490272401.365157299]: (translation_node) translation_done: 0.872705, translation_to_do: 1.000000
[ INFO] [1490272401.377060289]: (translation_node) translation_done: 0.872705, translation_to_do: 1.000000
[ INFO] [1490272401.385517650]: (translation_node) translation_done: 0.873361, translation_to_do: 1.000000
[ INFO] [1490272401.402946268]: (translation_node) translation_done: 0.874766, translation_to_do: 1.000000
[ INFO] [1490272401.411678929]: (translation_node) translation_done: 0.875329, translation_to_do: 1.000000
[ INFO] [1490272401.417073267]: (translation_node) translation_done: 0.875329, translation_to_do: 1.000000
[ INFO] [1490272401.433960451]: (translation_node) translation_done: 0.876735, translation_to_do: 1.000000
[ INFO] [1490272401.436747537]: (translation_node) translation_done: 0.877391, translation_to_do: 1.000000
[ INFO] [1490272401.452676483]: (translation_node) translation_done: 0.877391, translation_to_do: 1.000000
[ INFO] [1490272401.458947427]: (translation_node) translation_done: 0.878703, translation_to_do: 1.000000
[ INFO] [1490272401.464764726]: (translation_node) translation_done: 0.879359, translation_to_do: 1.000000
[ INFO] [1490272401.475021220]: (translation_node) translation_done: 0.879359, translation_to_do: 1.000000
[ INFO] [1490272401.485699463]: (translation_node) translation_done: 0.879921, translation_to_do: 1.000000
[ INFO] [1490272401.494735257]: (translation_node) translation_done: 0.881233, translation_to_do: 1.000000
[ INFO] [1490272401.506352148]: (translation_node) translation_done: 0.881796, translation_to_do: 1.000000
```