

9. 7. 2023

https://industrial-training-master.readthedocs.io/en/melodic/_source/session1/Create-Catkin-Workspace.html

/home/ladak/Desktop/ws_2023

<https://roboticscasual.com/ros-tutorial-how-to-create-a-moveit-config-for-the-ur5-and-a-gripper/>

```
git clone -b noetic-devel https://github.com/ros-industrial/universal_robot.git
```

fatal: Remote branch noetic-devel not found in upstream origin – **NO NOETIC BRANCH**

=> use original folder universal_robot

```
wget https://raw.githubusercontent.com/utecrobotics/ur5/master/ur5_description/urdf/ur5_joint_limited_robot.urdf.xacro
```

.bashrc:

```
#export ROS_MASTER_URI=http://192.168.0.10:11311
#export ROS_IP=192.168.0.100
```

```
export ROS_MASTER_URI=http://localhost:11311
export ROS_HOSTNAME=localhost
```

ladak@ladak-ThinkStation-P330:~/Desktop/ws_2023/src\$ roslaunch moveit_setup_assistant setup_assistant.launch

```
... logging to /home/ladak/.ros/log/97880b22-1e77-11ee-a428-8f23e8d4e878/roslaunch-ladak-ThinkStation-P330-25435.log
Checking log directory for disk usage. This may take a while.
Press Ctrl-C to interrupt
Done checking log file disk usage. Usage is <1GB.
```

```
started roslaunch server http://localhost:38469/
```

```
SUMMARY
=====
```

```
PARAMETERS
* /rostdistro: noetic
* /rosversion: 1.15.13
```

```
NODES
/
  moveit_setup_assistant (moveit_setup_assistant/moveit_setup_assistant)
```

```
auto-starting new master
process[master]: started with pid [25443]
ROS_MASTER_URI=http://localhost:11311
```

```
...
```

```
/opt/ros/noetic/lib/moveit_setup_assistant/moveit_setup_assistant: error while loading
shared libraries: libmoveit_robot_state_rviz_plugin_core.so.1.1.11: cannot open shared
object file: No such file or directory
```

```
=====REQUIRED
process [moveit_setup_assistant-2] has died!
process has died [pid 25456, exit code 127, cmd
/opt/ros/noetic/lib/moveit_setup_assistant/moveit_setup_assistant
__name:=moveit_setup_assistant __log:=/home/ladak/.ros/log/97880b22-1e77-11ee-a428-
8f23e8d4e878/moveit_setup_assistant-2.log].
log file:
/home/ladak/.ros/log/97880b22-1e77-11ee-a428-8f23e8d4e878/moveit_setup_assistant-2*.log
Initiating shutdown!
=====...
```

<https://github.com/ros-planning/moveit/issues/3303>

```
sudo apt install --reinstall "?and(~i,~nros-noetic-moveit-*)"
```

This updated all move_it packages from 1.1.10 to 1.1.12.

```
-----
--
```

libsrdfdom.so.0.6.4:

```
sudo apt-get install --reinstall ros-noetic-srdfdom
```

```
sudo apt-get install ros-noetic-geometric-shapes
```

```
-----
```

I can run the GUI now!

TODO:

try build NAIL sources (all move_it packages were
reinstalled..)

```
-----
```

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NAIL sources build OK; only with warnings on ur_kinematics:

```
Warnings << ur_kinematics:check
/home/ladak/git/nail108-2021/getting_started/logs/ur_kinematics/build.check.017.log
CMake Warning (dev) at CMakeLists.txt:2 (project):
  Policy CMP0048 is not set: project() command manages VERSION variables.
  Run "cmake --help-policy CMP0048" for policy details. Use the cmake_policy
  command to set the policy and suppress this warning.
```

The following variable(s) would be set to empty:

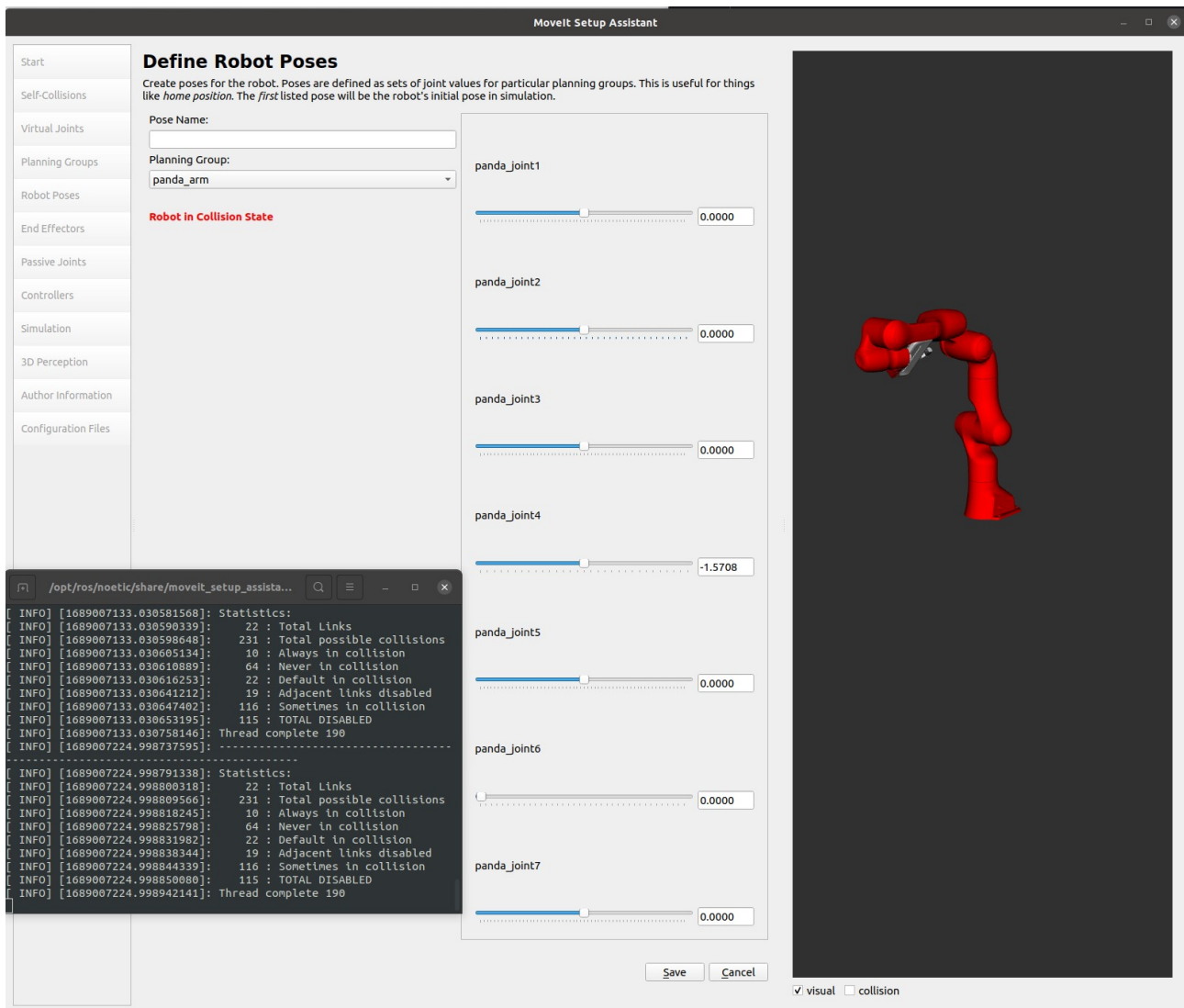
```
CMAKE_PROJECT_VERSION
CMAKE_PROJECT_VERSION_MAJOR
CMAKE_PROJECT_VERSION_MINOR
CMAKE_PROJECT_VERSION_PATCH
```

This warning is for project developers. Use -Wno-dev to suppress it.

setup_assistant_tutorial:

https://ros-planning.github.io/moveit_tutorials/doc/setup_assistant/setup_assistant_tutorial.html

Step 5: Add Robot Poses



<https://github.com/ros-planning/moveit/issues/2332>