

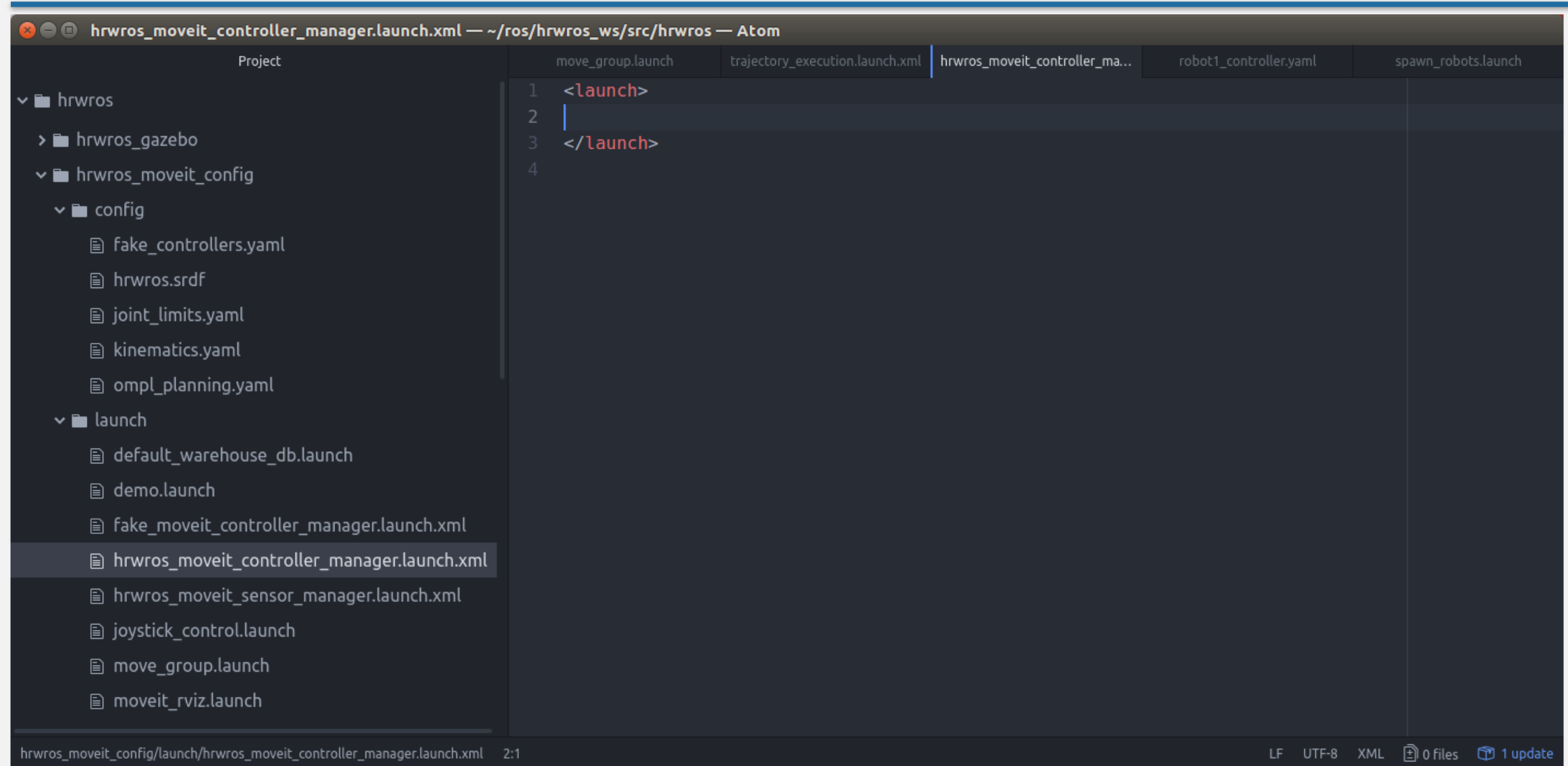


4.3.4

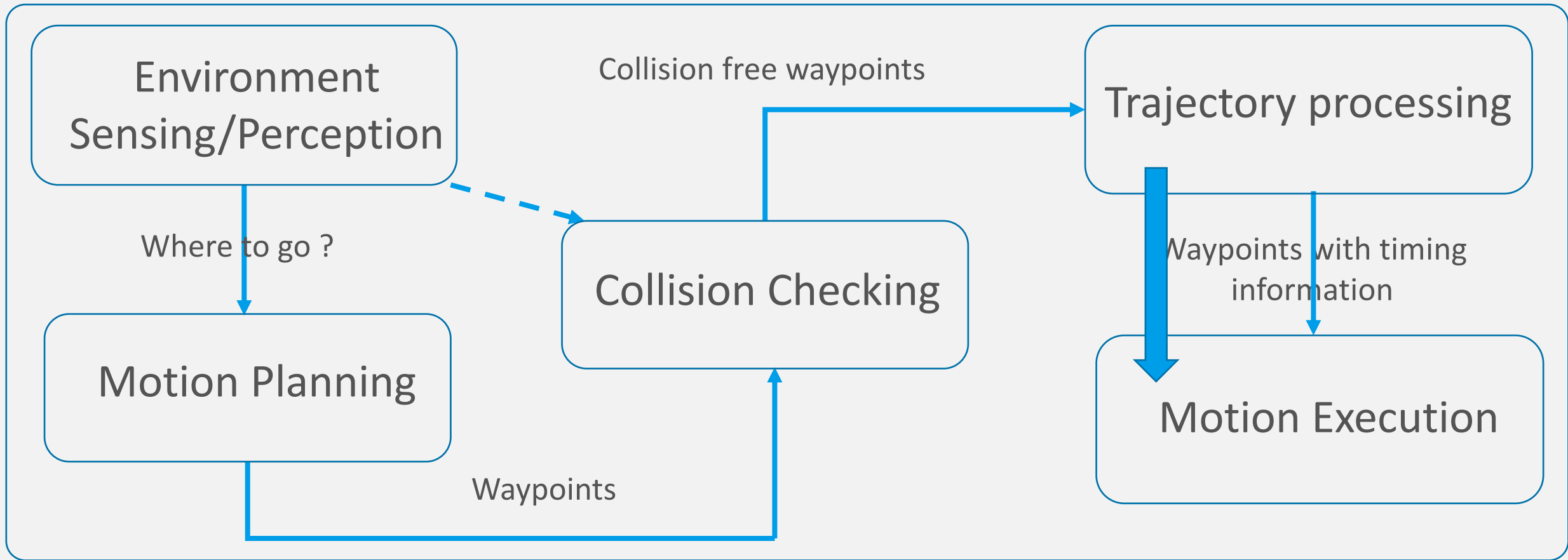
Movelt! Setup Assistant - configuring controllers

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Configuring controllers: Where? What? How?



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MoveIt!

Configuring controllers: Where? What? How?

- Where are trajectories executed?
 - Simulated robot or real robot hardware.
- What controls trajectory execution in simulation or hardware?
 - Controller on a simulator or a hardware driver.
 - simulation package **hrwros_gazebo**.
- How does MoveIt! talk to the controllers from simulation?
 - ROS Topics and Action servers.

Configuring controllers: Where? What? How?

Gazebo Simulation

- JointStateController
 - (pub /joint_states topic)
- JointTrajectoryController
 - FollowJointTrajectoryAction
- JointPositionController
- JointVelocityController
- ...

gazebo_ros_control
(hrwros_gazebo)

MoveIt!

- Planning scene monitor
 - (sub /joint_states topic)
- SimpleControllerManager
 - FollowJointTrajectoryAction

moveit_*
(hrwros_moveit_config)

