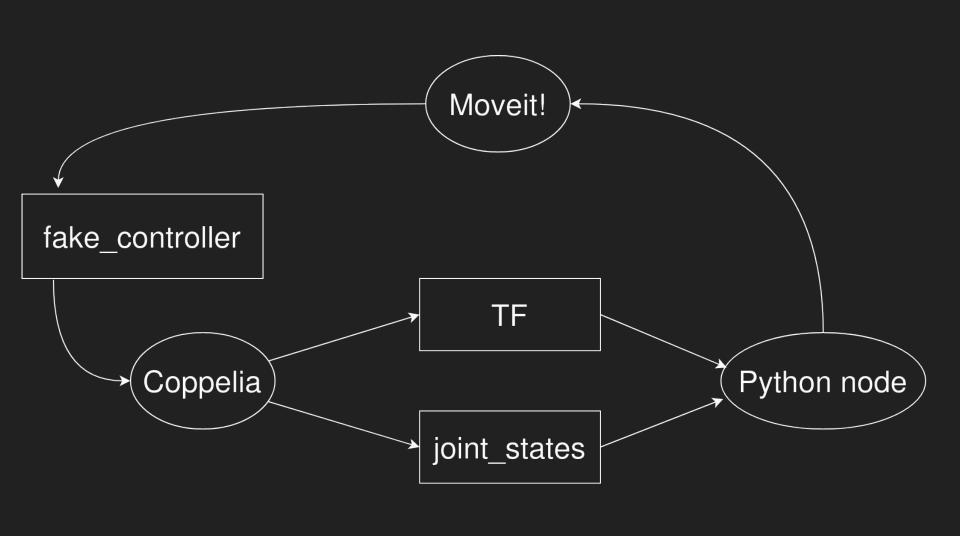
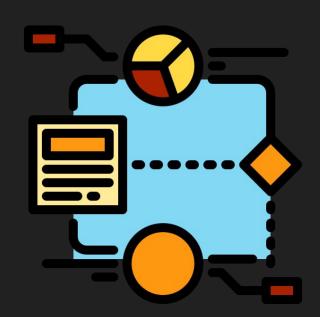


## Algorithm



## Algorithm

- read the configuration and send it to python node.
- python node reads configuration
- send configuration to MoveIt (Rviz)
- Movelt (Rviz) plans and executes
- fake controller as interface for coppelia
- Franka adds objects into containers



## Running the program

### How to run the program

### 4 terminals with this configuration:

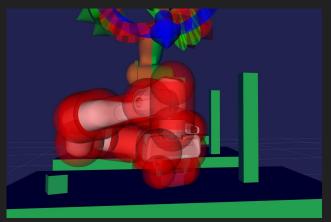
- running "roscore"
- running "roslaunch launch/InverseKinematicsControl.launch" which runs
  - Rviz
  - Coppelia Scene
  - Inverse Kinematic Control

Issues and Problems

### Issues and Problems

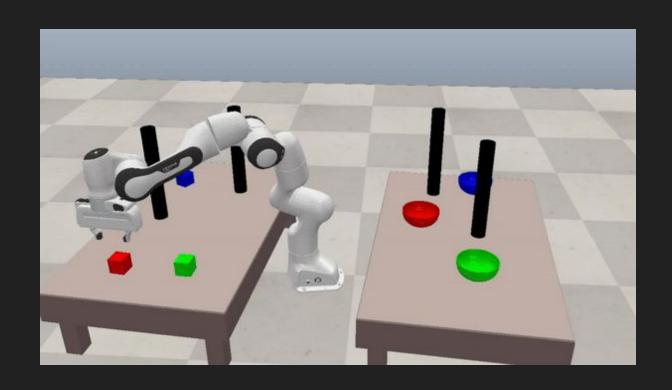
- Nothing worked:
  - hard to find good docs and working examples
  - Coppelia code editor was not ergonomic
  - Many collision states in the beginning with the cubes
  - offset of objects
  - objects can not always be placed
  - not reliable at all





## Demo

## Demo



# Thanks for Your Attention!