

# Install roslibpy

```
pip install roslibpy
```

# Run a Studio objective from Python

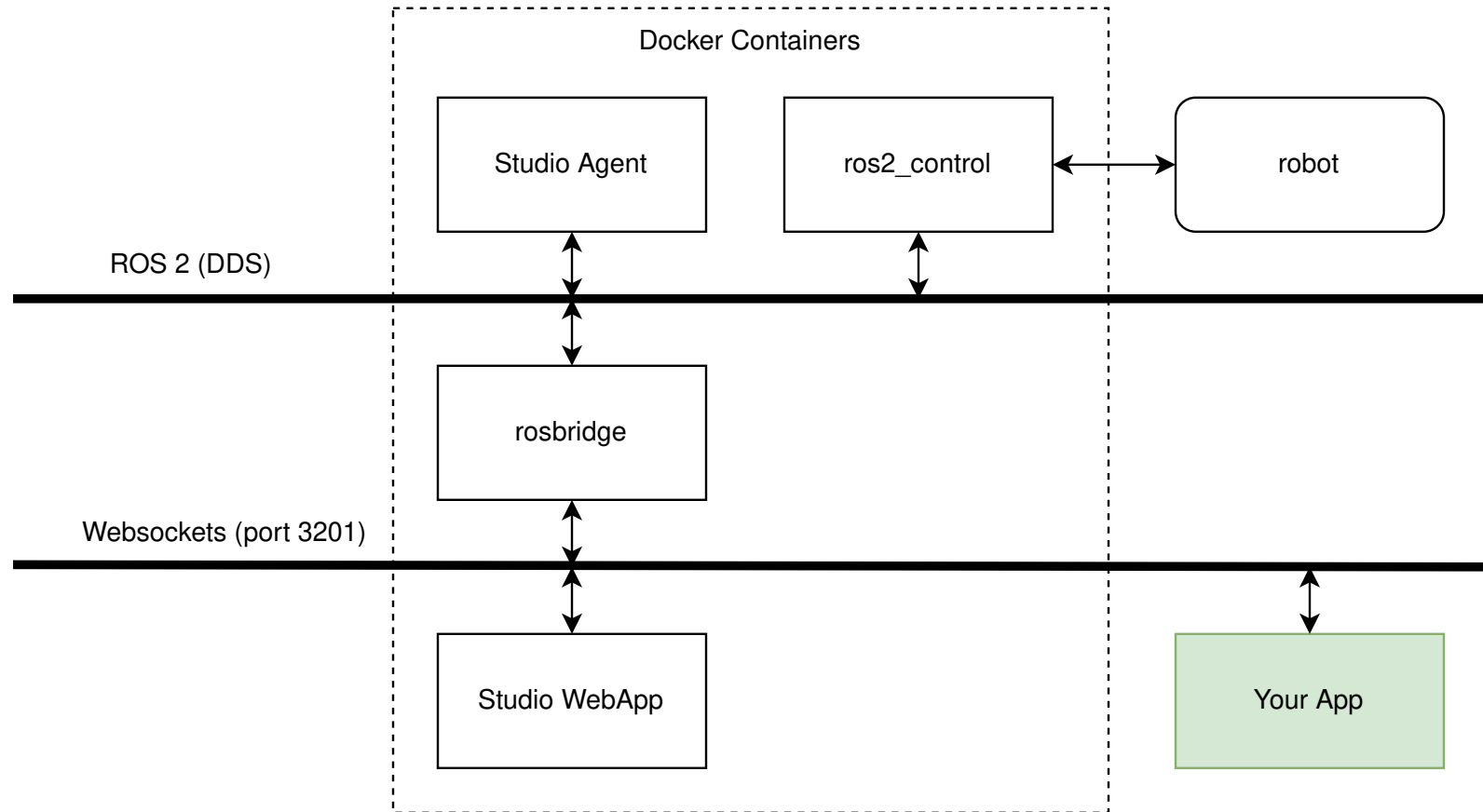
```
import roslibpy

# Connect to rosbridge
client = roslibpy.Ros(host='0.0.0.0', port=3201)

# Create a service client
execute_objective = roslibpy.Service(
    client,
    '/execute_objective',
    'moveit_studio_agent_msgs/srv/ExecuteObjective'
)

# Request running an objective
request = roslibpy.ServiceRequest({
    "objective_name": "3 Waypoints Pick and Place"
})
response = execute_objective.call(request)
```

# How it Works



# So What Would I Do With This?

Anything you could do with ROS  
**Without the complexity of ROS or Docker**

# Like What?

- Trigger Objectives as part of your software
- Publish sensor data used by Studio
- Integrate your hardware and command it with Studio
- Create a service to run inference on images
- Bridge your logging system
- Benchmark the objectives you write