# Development of a ROS Node for a Mitsubishi RV-2F-D

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Project Progress Presentation

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# Outline

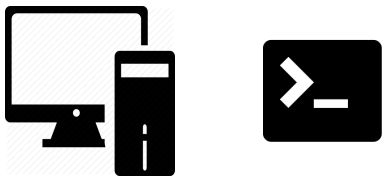
# Problem Statement

Mitsubishi
RV-2F-D


Controller

Teach Pad

Command
Line Tool



Computer

# Problem Statement

Mitsubishi
RV-2F-D


Controller

Teach Pad

ROS Node

ROS

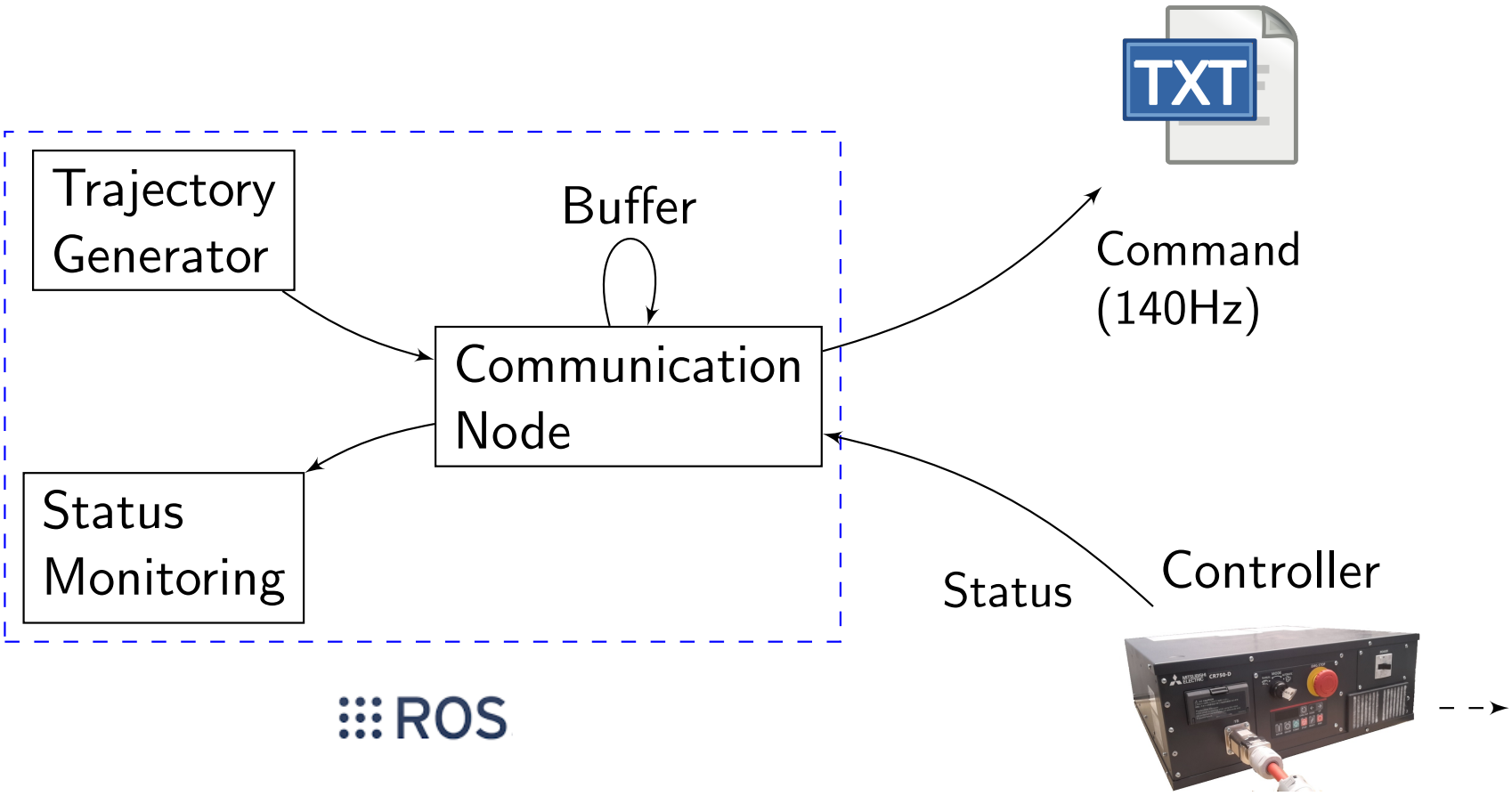
Computer

**Objective**

Control robot via Robot Operating System (ROS)

# Work Accomplished

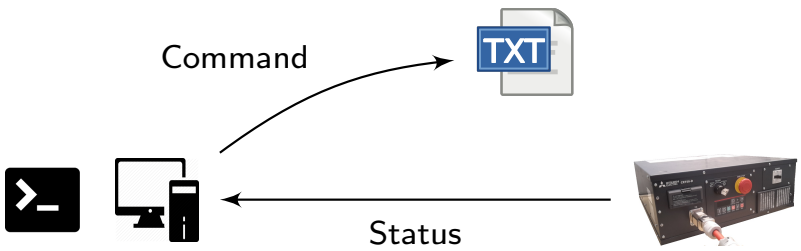
- Two-way communication ROS node
- Basic trajectory generator
- Basic status monitoring

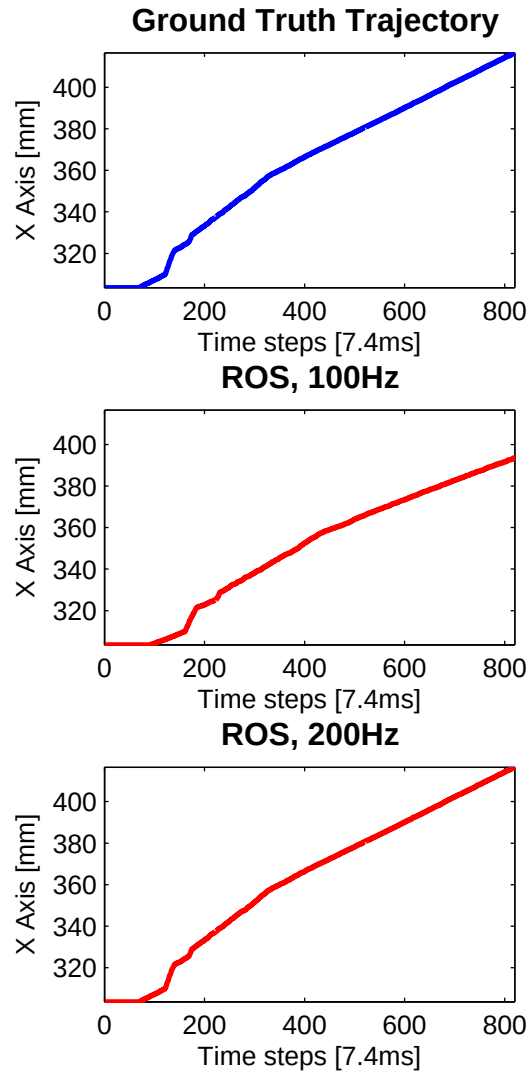


# Current Work

Test Communication node offline:

1. Generate trajectory via command line tool
2. Save binary commands
3. Create same trajectory via ROS
4. Save binary commands
5. Compare files on binary level



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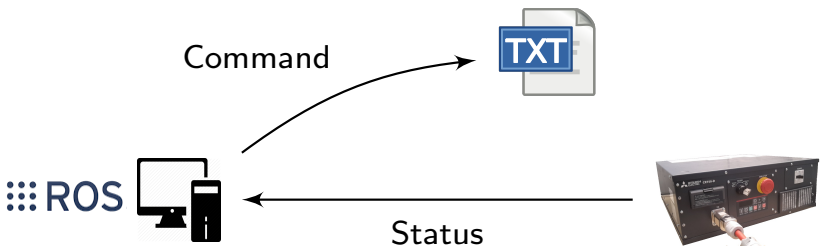


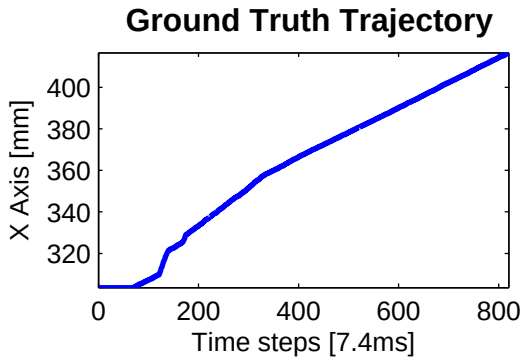


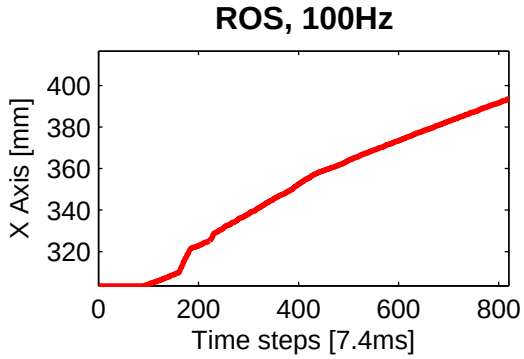


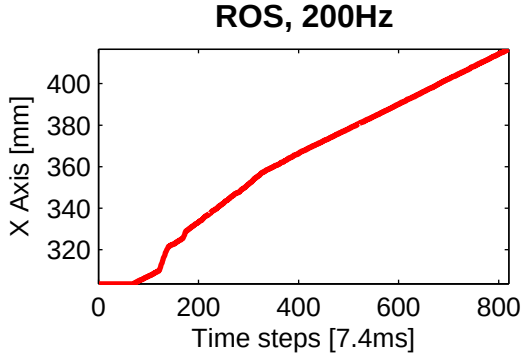

# Outlook

Remaining work:

- Add "Anytime Stop"
- Test ROS nodes online, i.e. using robot hardware
- Write documentation

# Project Plan