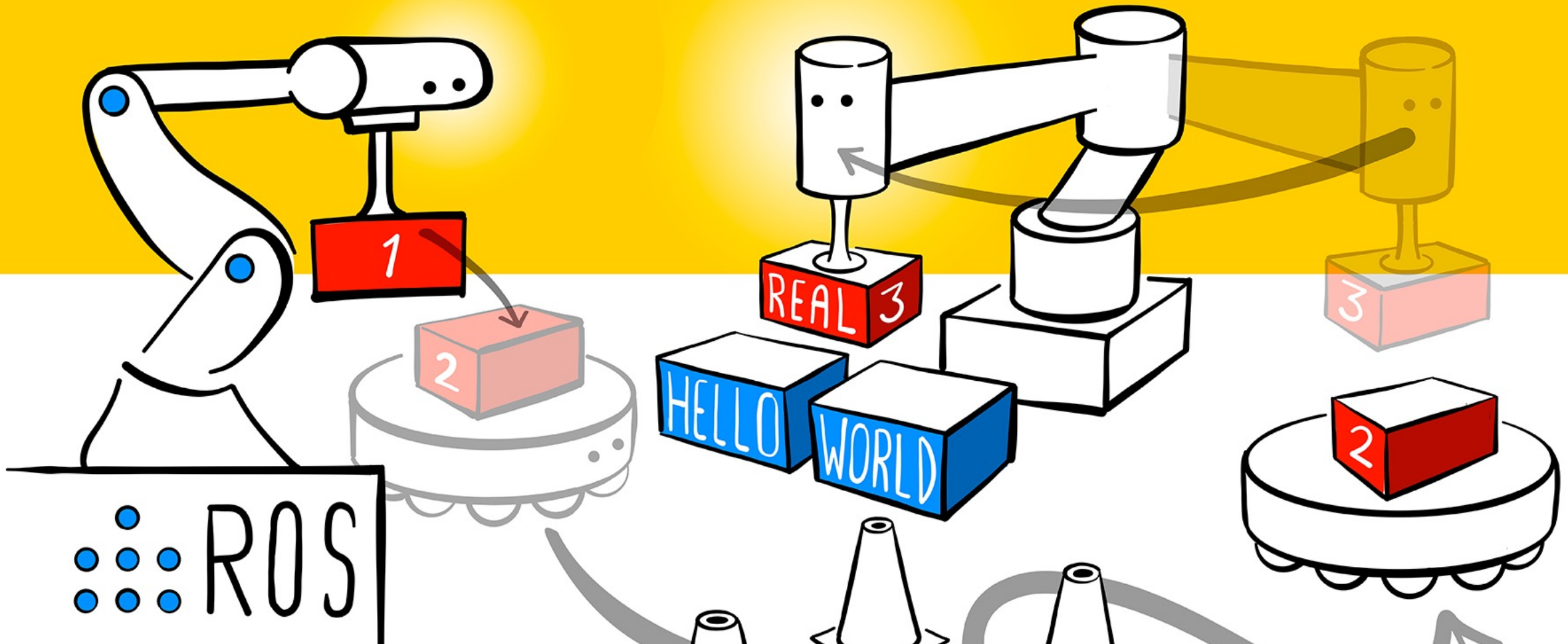


Welcome and Overview

Mario Garzón Oviedo



About this video

- Your point of departure
- What we expect from you
- End result
- Course structure

ROS community



 ROS ANSWERS

 tags  users  badges

Hi there! Please sign in [help](#)



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answers

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Contributors

A working Ubuntu / ROS installation

- A Desktop/Laptop computer running Ubuntu.
- We use singularity to standardize the ROS installation.

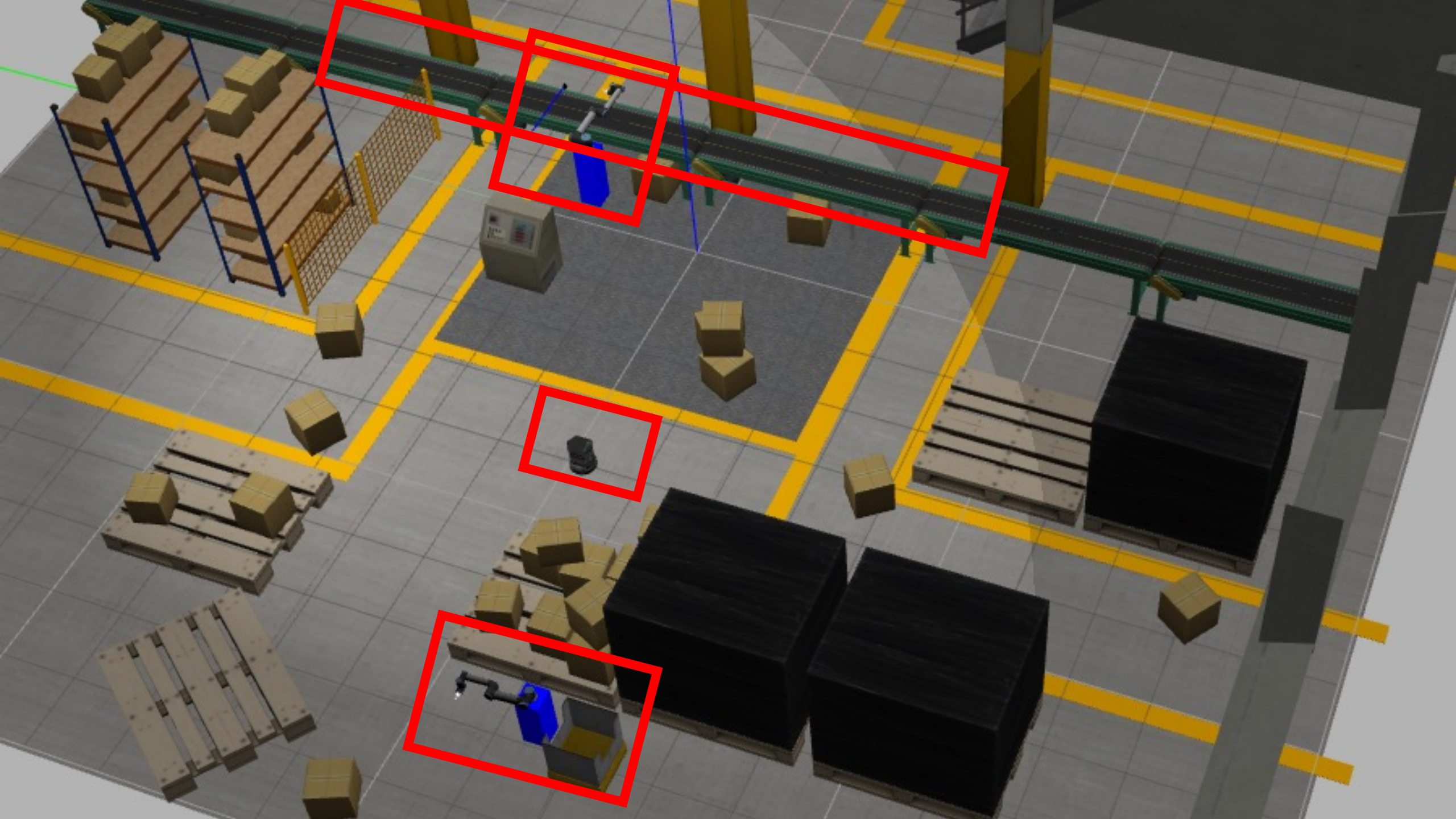
```
/home/mario/hrwros_ws/src/hrwros/hrwros_week1/launch/hrwros_welcome.launch http://localhost:11...
File Edit View Search Terminal Help
SUMMARY
=====
PARAMETERS
* /rostdistro: noetic
* /rosversion: 1.15.11
NODES
/
  node_1 (hrwros_week1/template_publisher_script.py)
  node_2 (hrwros_week1/template_subscriber_script.py)
auto-starting new master
process[master]: started with pid [2437]
ROS_MASTER_URI=http://localhost:11311
setting /run_id to d864ccbe-24e8-11ec-b804-c0b883383f8d
process[rosout-1]: started with pid [2447]
started core service [/rosout]
process[node_1-2]: started with pid [2450]
process[node_2-3]: started with pid [2451]
[/node_2] [INFO] [1633334304.174443]: Welcome to Hello (Real) World with ROS!!!
[/node_2] [INFO] [1633334305.173925]: Welcome to Hello (Real) World with ROS!!!
```



- See Week 0 of this course.

What we expect from you

- Helpful additional knowledge
 - basic linear algebra
 - Basic programming in Python
- Active participation on the course forum
 - Check the behavior guidelines



End result



Work with a simulated factory environment.

Create an integrated intelligent robot system.

You are supposed to contribute back:

- Develop capabilities
- Maintain repositories
- Help others through ROS Answers

Course structure

Week 1: ROS essentials

Week 2: Build your own robot environment

Week 3: Autonomous navigation

Week 4: Manipulation

Week 5: Robot Vision

Week 6: Final project with intelligent behaviors