

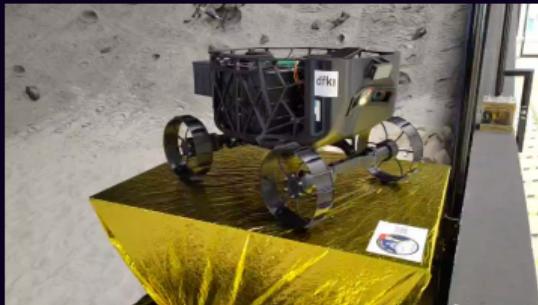


Unhandled Eggception

Easterhegg 2025

Andreas Bresser

Why am I giving this talk?



I work with robots!
(and I like to see more robots at Chaos ☢ events)

Robotics for AI enthusiasts



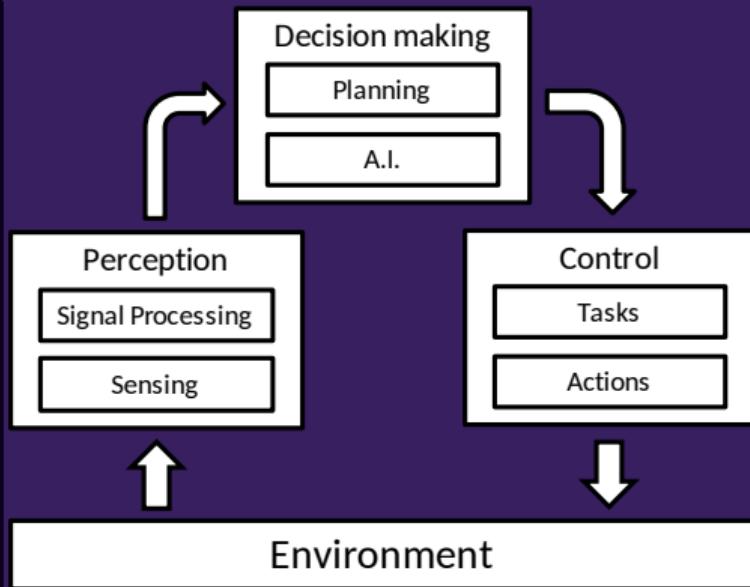
Warning!

vibe-coding machines that manipulate things in
the real world is a very bad idea!

Topology

Topology of a Robot

The Robotics problem...



Distributed processes:

- ↳ Sensor data sampling
- ↳ Data/signal processing
- ↳ Decision making
- ↳ Control signals → actuators

What is ROS

Not an Operating System but a **Middleware**



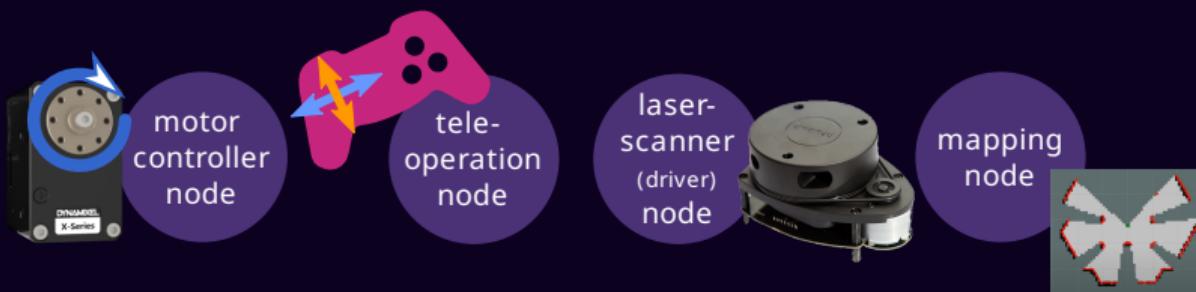
Image source: <https://www.ros.org/blog/ecosystem/>

Nodes

What is a ROS Node?

Nodes are processes.

A **node** is a small program that should be responsible for a single, module purpose. Examples of nodes:

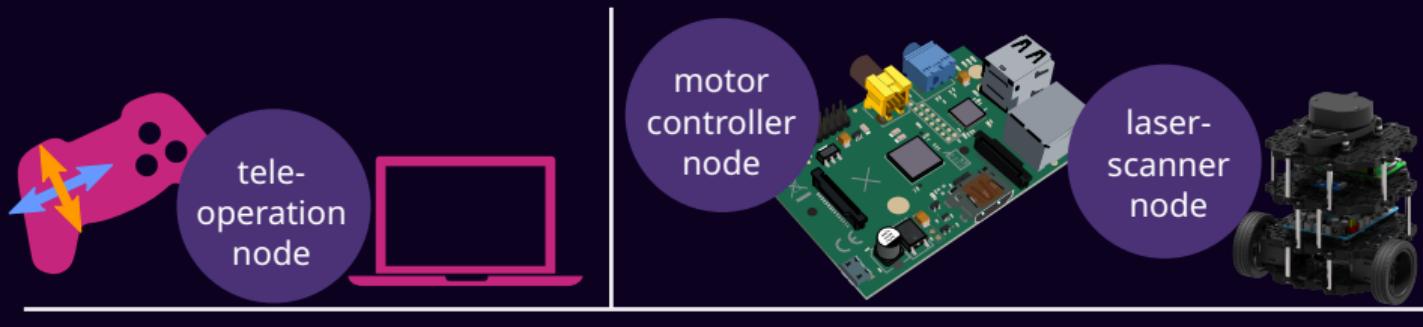


Nodes are normally written in Python or C++.

Nodes

What is a ROS Node?

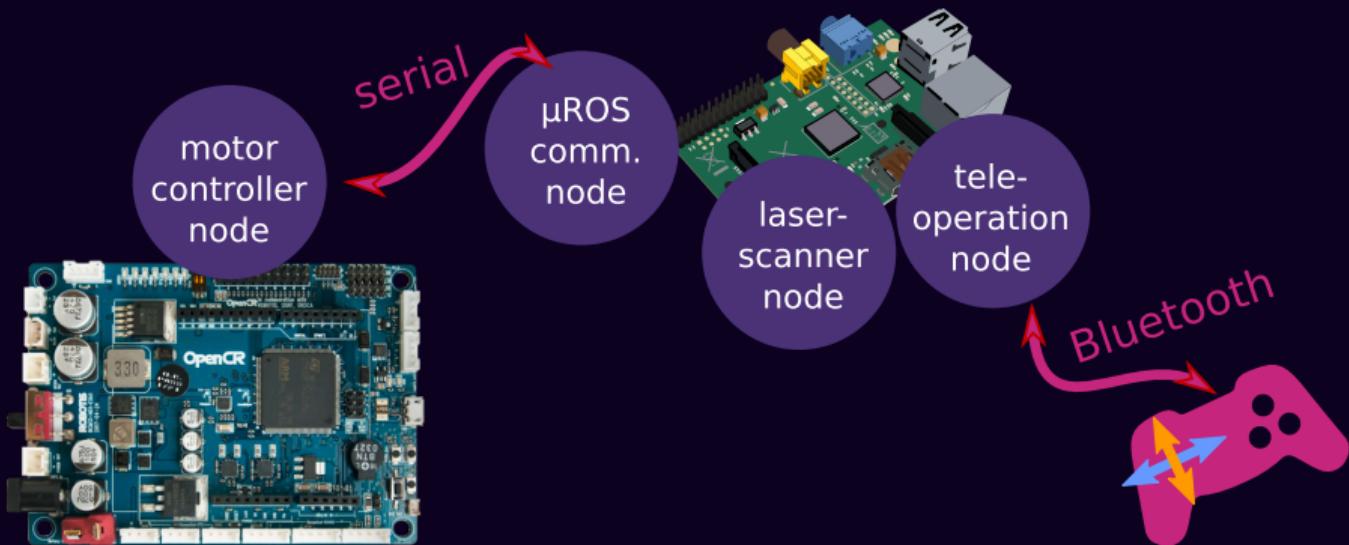
Where are the nodes running?



Nodes

Where should a node run?

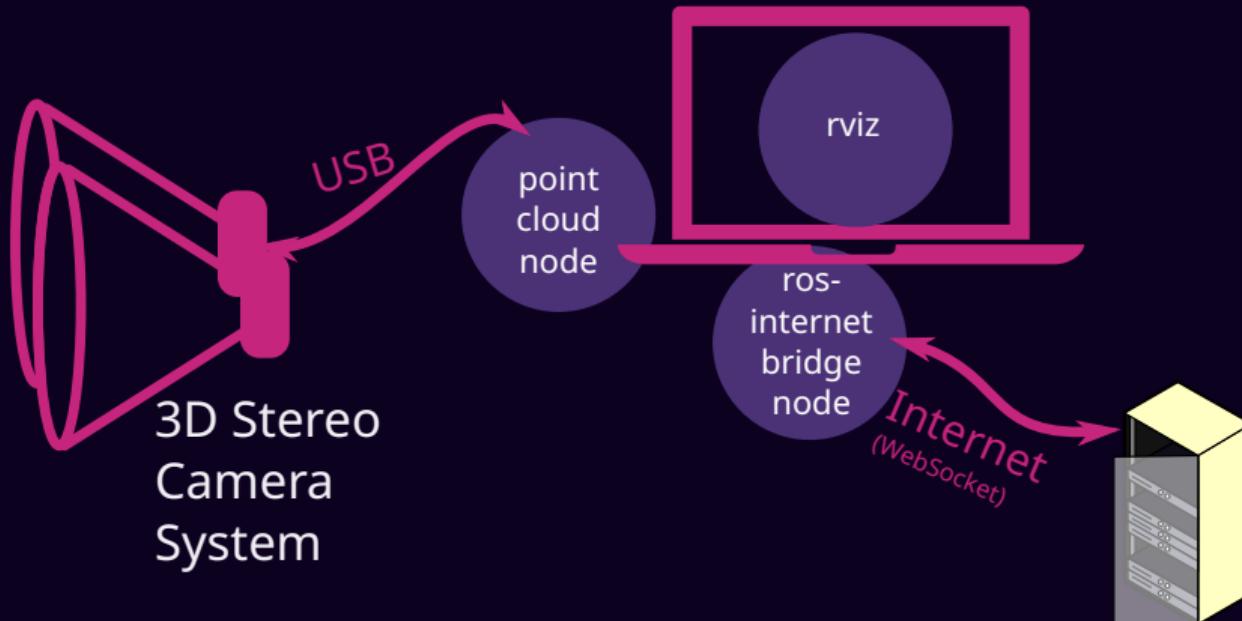
ROS only on the robot (without Notebook)



Nodes

Where should a node run?

ROS without a robot!



Open Door Day 2025

Visit me at work!

5. September 2025 - <https://robotik.dfki-bremen.de>
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