Course of

Robot Programming
with ROS 2

Day 3

2. Node Programming III
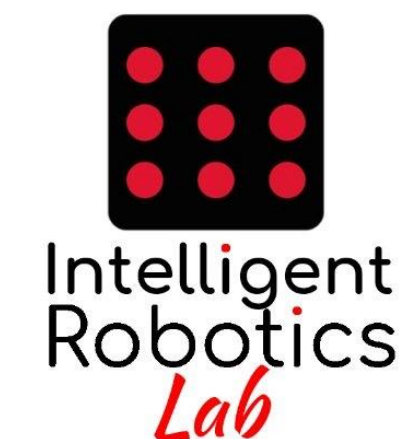
Universidad Rey Juan Carlos

Intelligent Robotics Lab
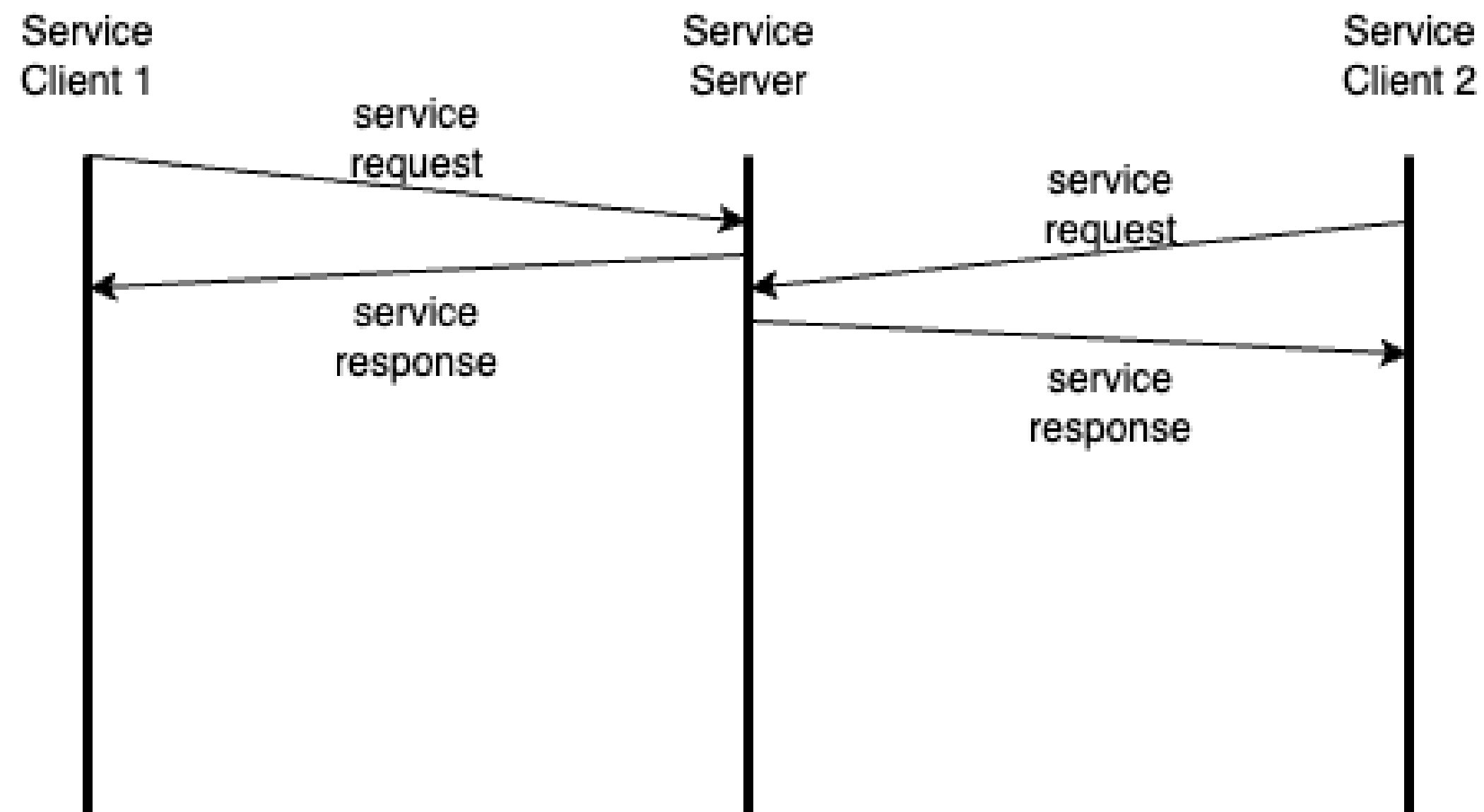
Services and Actions

- So far we have only seen publish/subscribe
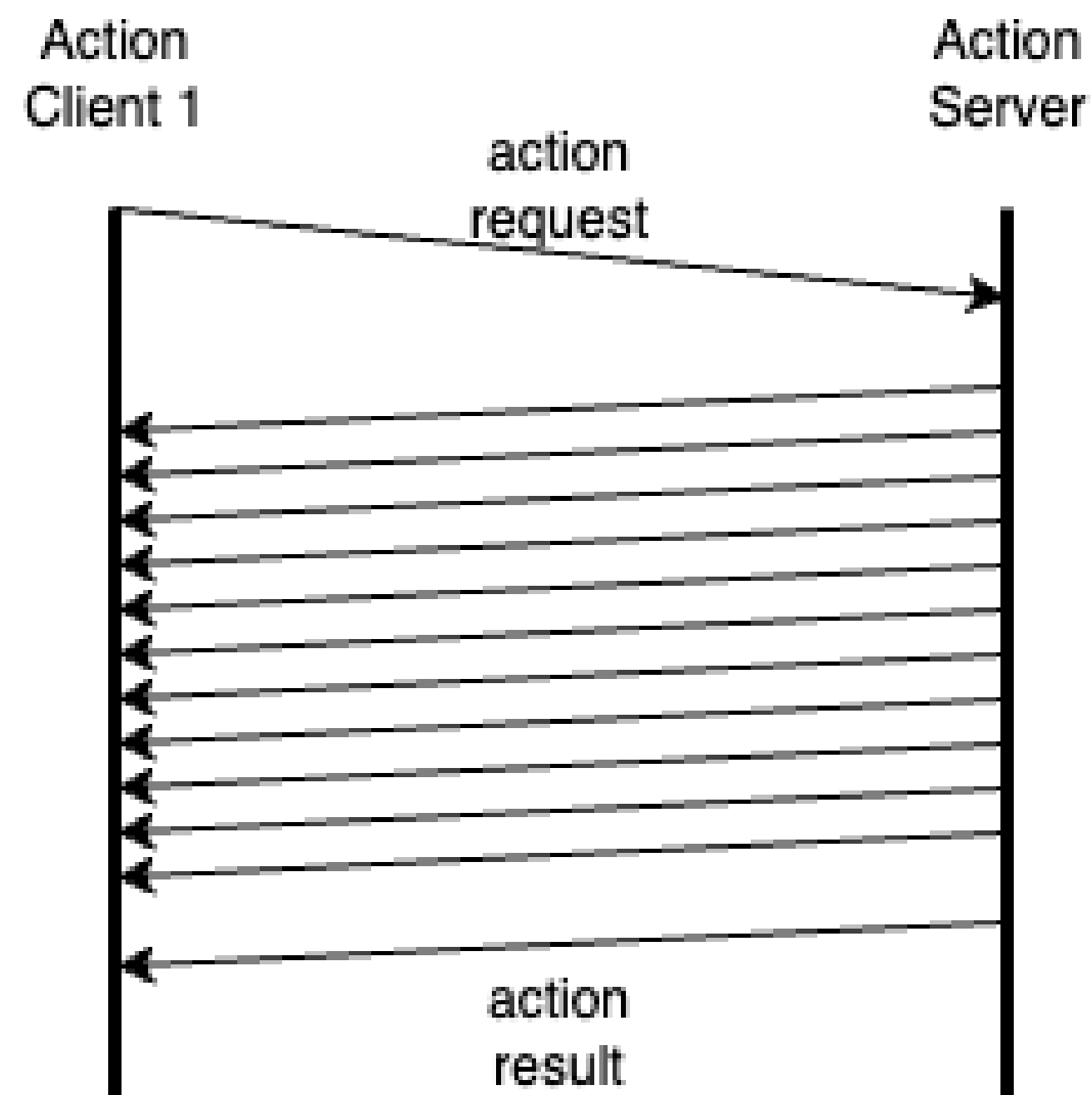- There are also two more communication paradigms: **Services** / Actions


```
GetInformation.srv

    string key
    ---
    string content
```

Services and Actions

- So far we have only seen publish/subscribe
- There are also two more communication paradigms: Services / **Actions**

GenerateInformation.srv

```
string key
---
bool success
string final_content
---
string provisional_content
```

Services and Actions

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- There are also two more communication paradigms: Services / **Actions**
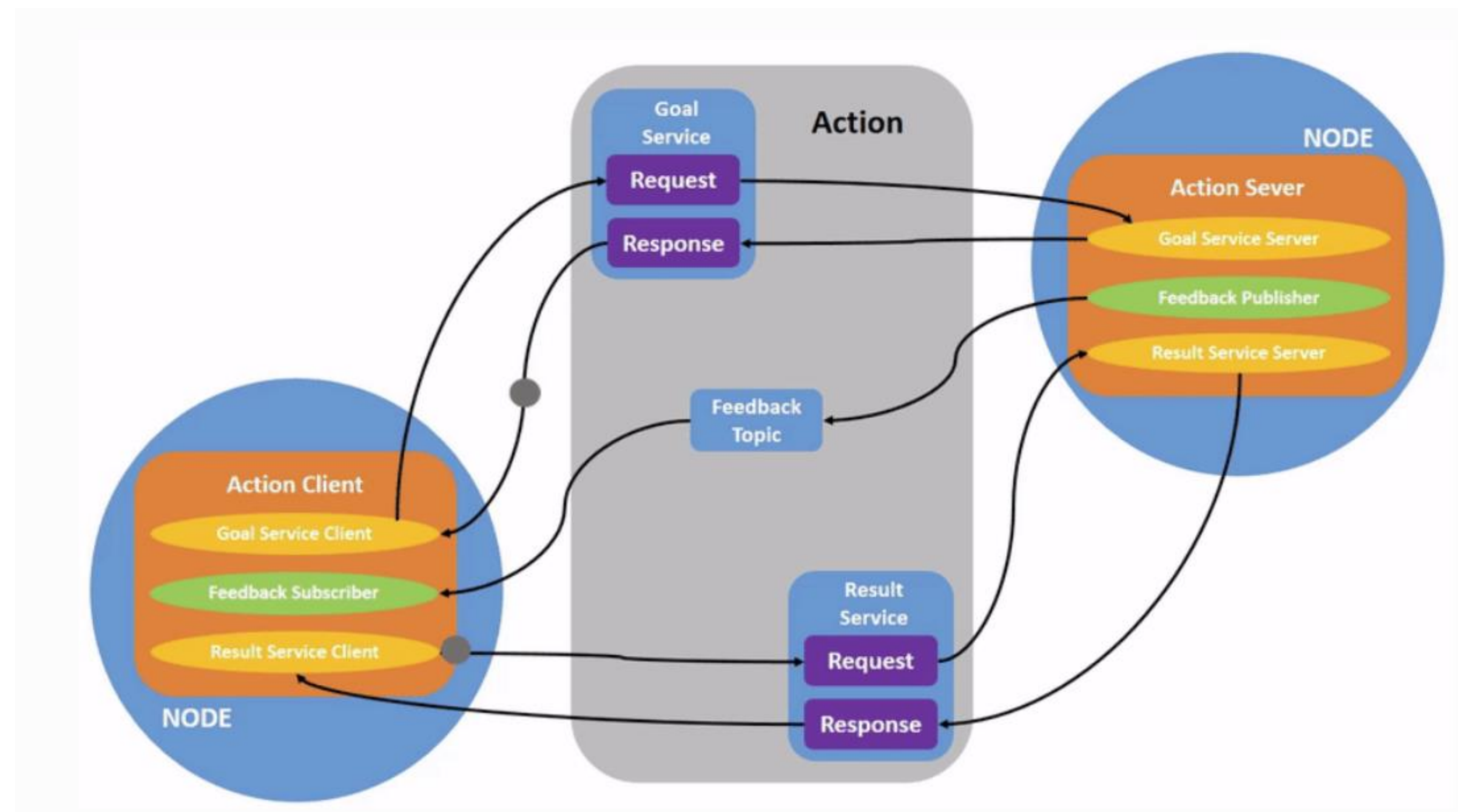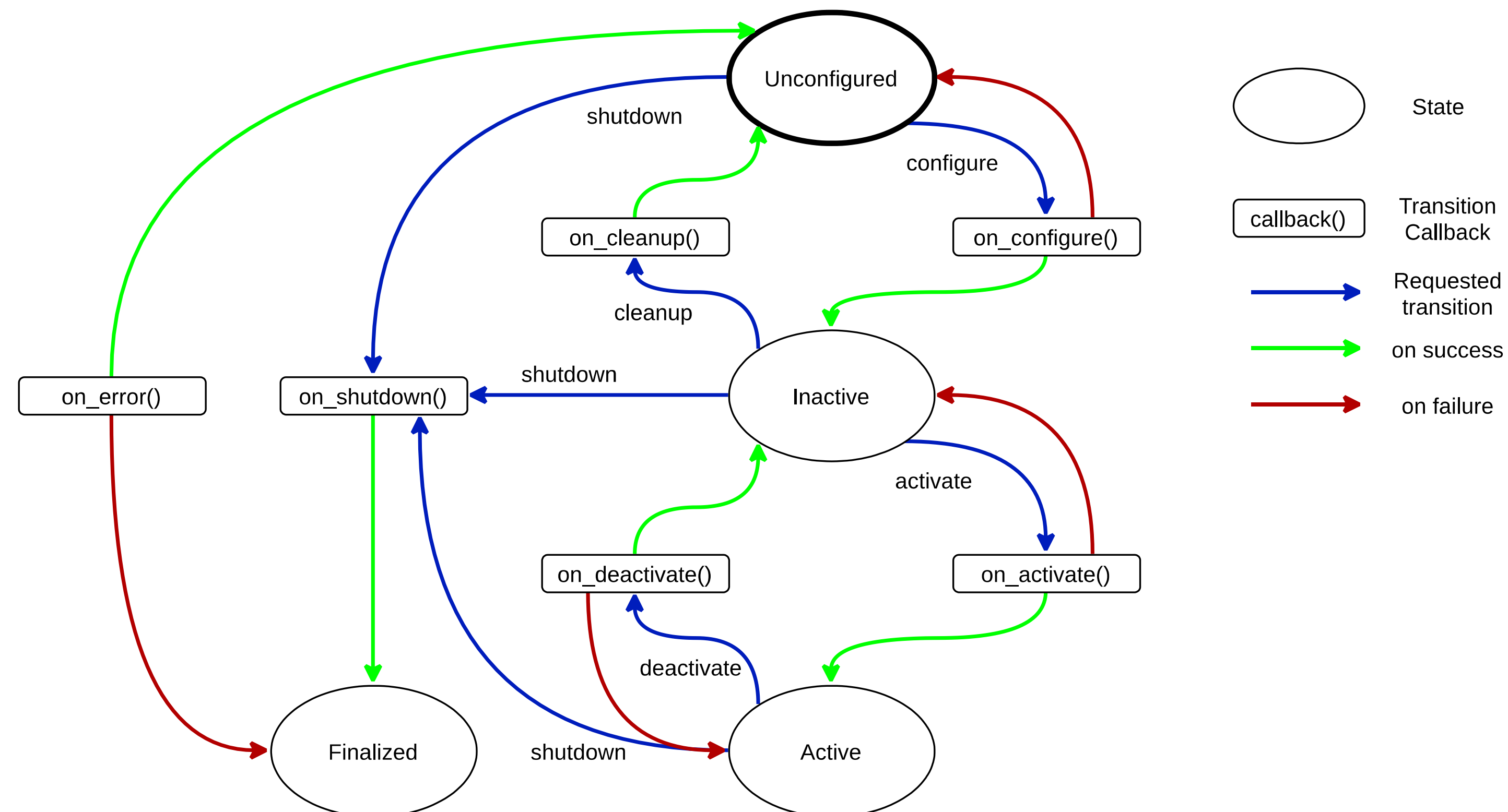
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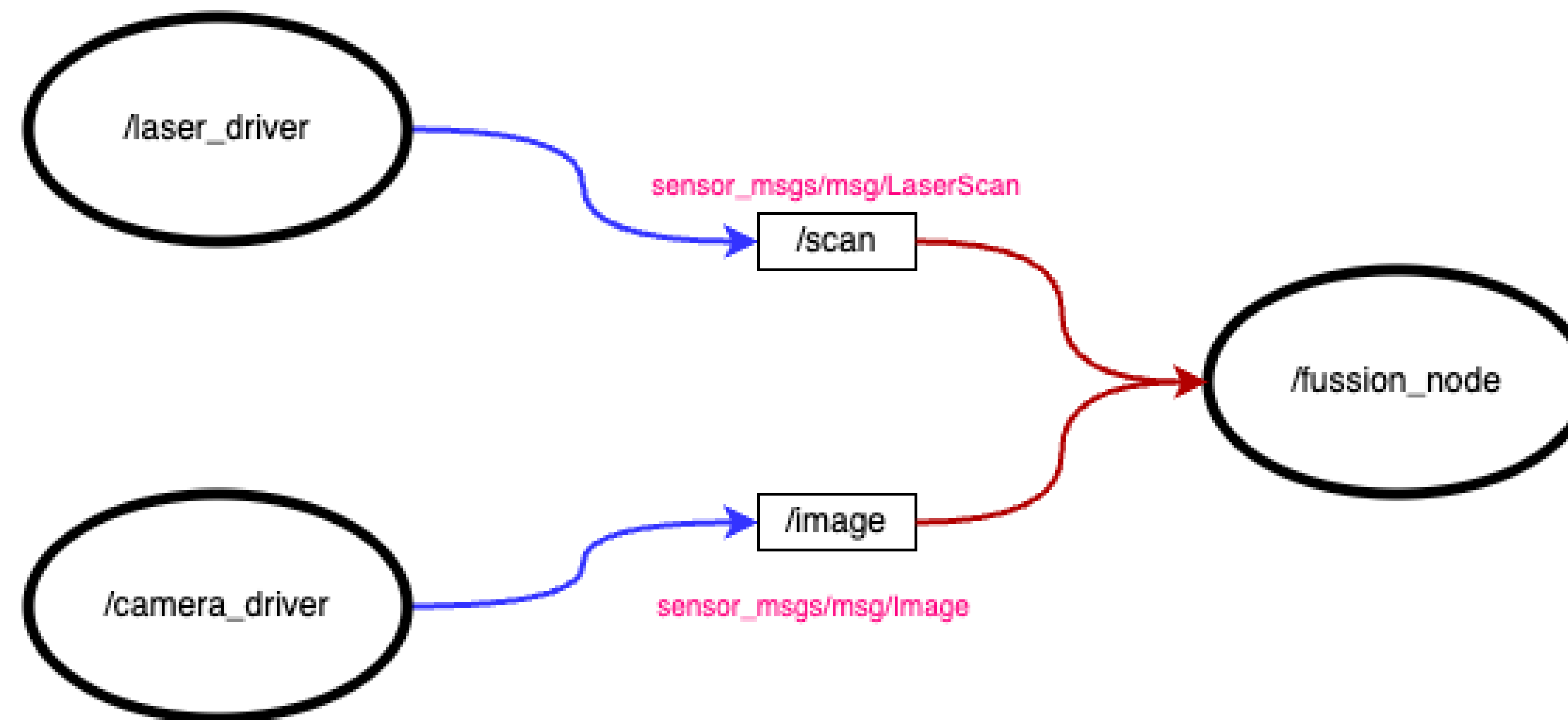
Let's go to code!!!

LifeCycle Nodes

- They lets to fine control the life cycle (startup, configuration, activation, finished, error) of a node
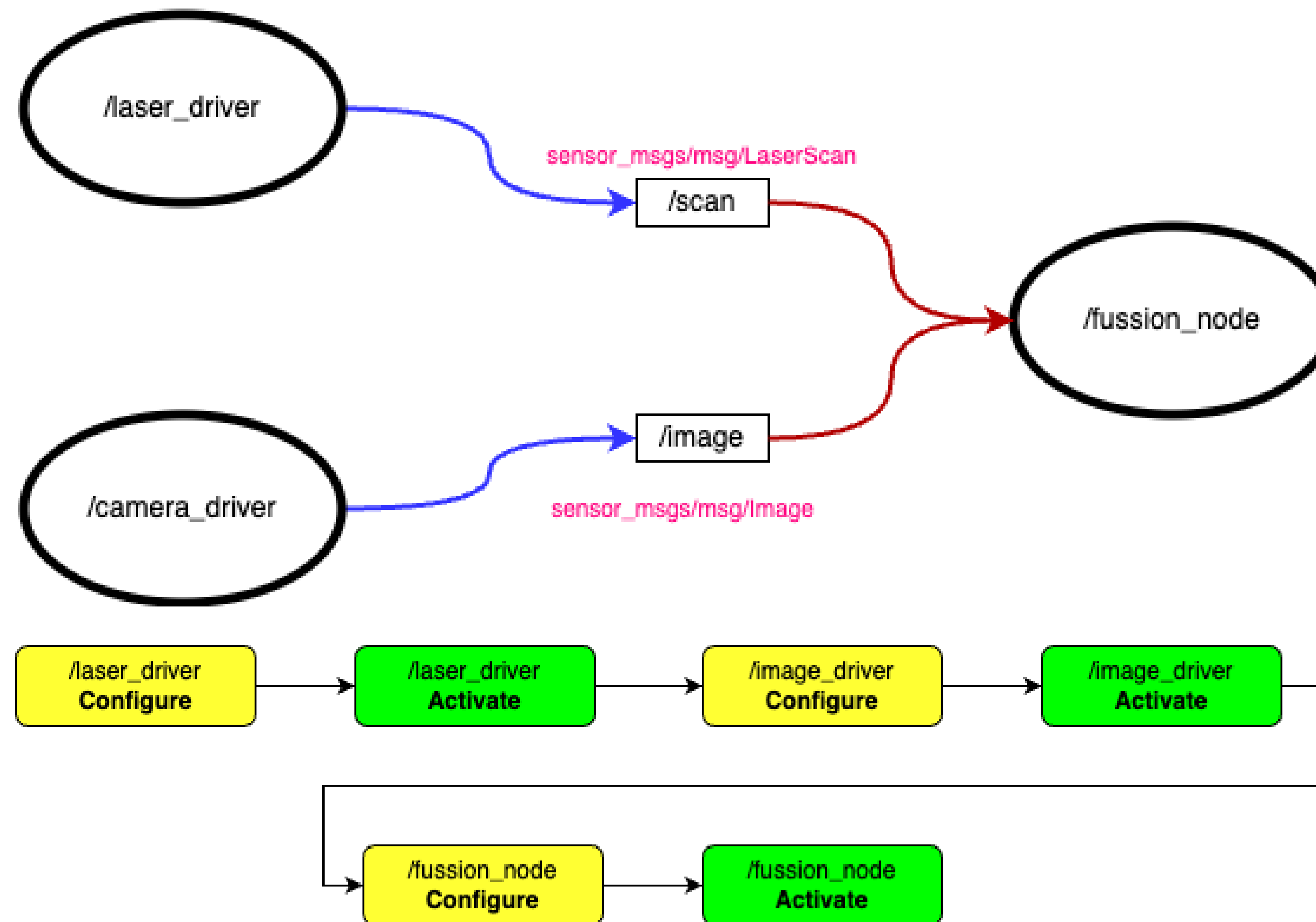- It implements a FSM
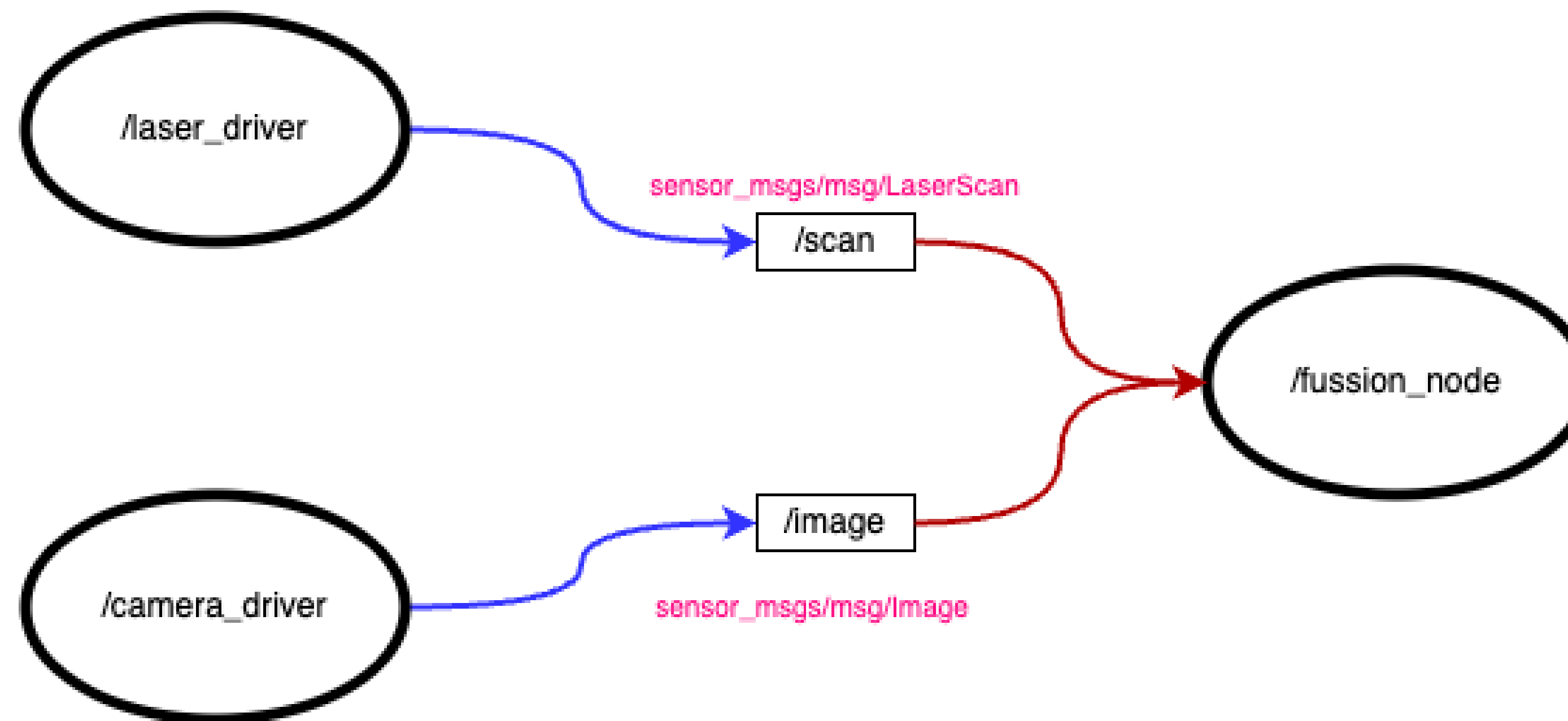
LifeCycle Nodes
Sensor Fussion

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Let's go to code!!!