

ROS 2 Persistent Parameter Server

- inspired by ROS 1 parameter server.
- can set/get any parameters in this global server.
- can save/load the parameters in storage.





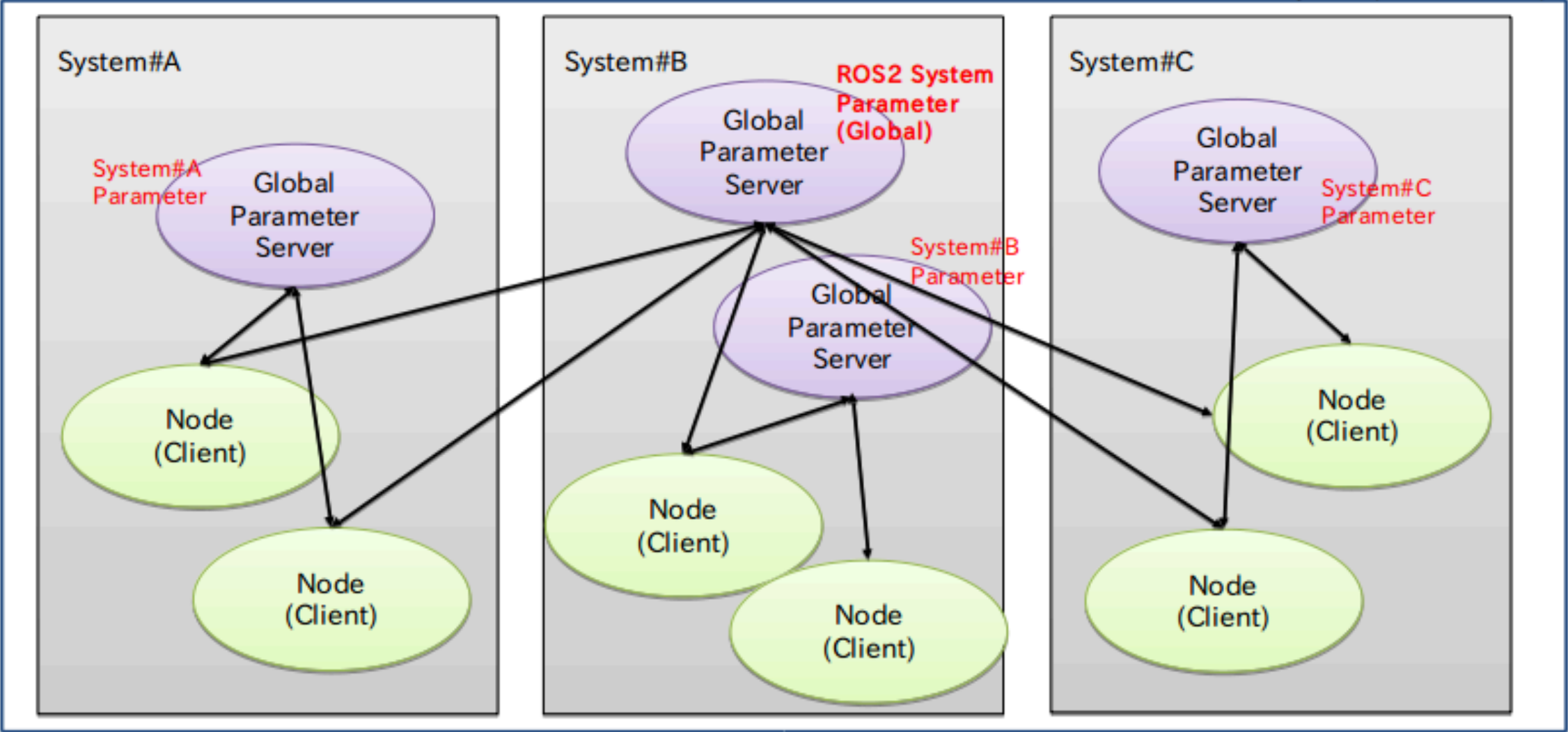
Why we need this?

- Global configuration that many nodes share (e.g. RTOS priorities, vehicle dimensions, ...)
- Generic ROS 2 system or localhost wide parameter server.
- **Persistent storage support to re-initialize the system.**
 - **parameters are modified in runtime and cached into persistent volume as well. and next boot or next re-spawn, modified parameters will be loaded at initialization. (parameter lifetime is dependent on use case, sometimes system lifetime, sometimes node lifetime.)**
- Using ROS 1 based application with Parameter Server.

Architecture

- Global Parameter Server
- Global Parameter Client

ROS2 System(DDS Domain)





Issues and PRs are always welcome



https://github.com/fujitatomoya/ros2_persist_parameter_server