

Firefighter Indoor Navigation: Prototype 2

Team: Thomas Anter
Nawar Mikha
Jordan Shimel

GTA: Samira Taghavi
Client: Mostafa Daneshgar Rahbar

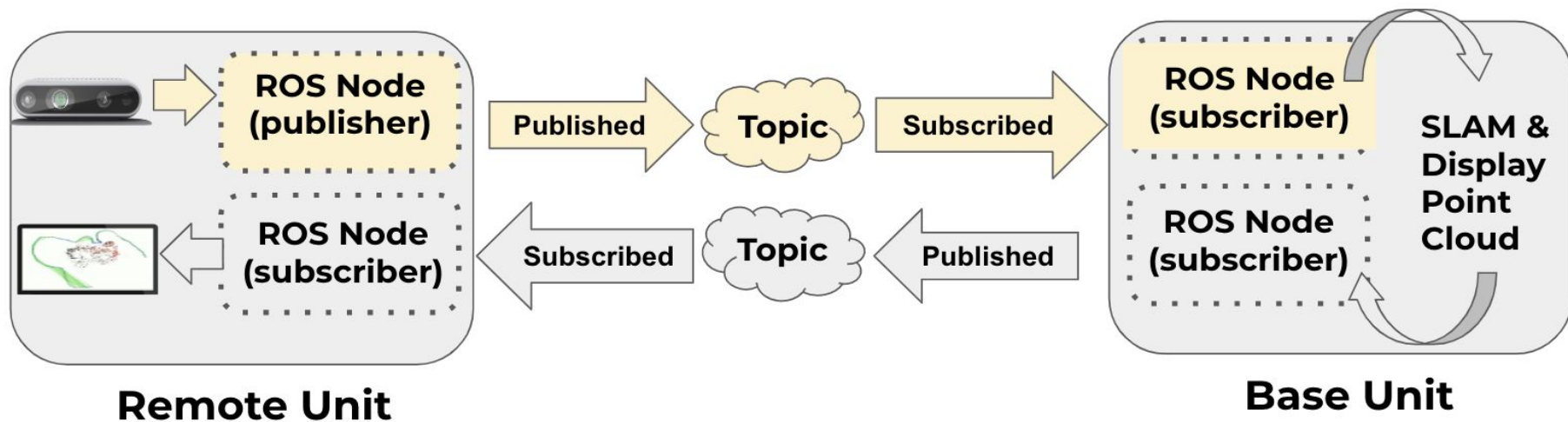
Previously (Prototype 1)

- Standalone program to read video from camera
- Convert video to ROS message
- ORB SLAM-2 examples executed
- Mockup UI

Progress

- GUI on both base and remote units
- ROS nodes executed and communicating on both units using point to point wifi
- Video stream from camera converted to ROS message, sent via a ROS topic to remote unit, and streamed on GUI

Visualized Progress



Next Steps

- Generate and display point cloud on base unit
- Send images of that point cloud to remote unit

Video Stream Demo