

Introduction

Our project was proposed by Vedanth Narayanan, a graduate student in CS at OSU, as a way to generate material for his masters thesis. For his thesis he plans to do something with security in ROS, the Robotics Operating System and henceforth referred to as ROS for the rest of this document, and our work was to discover and document security vulnerabilities for him to use as testing material later, along with identifying what parts of ROS were the most vulnerable overall. Vedanth was also our client for the project, and we, the team, were, in no particular order, Dominic Giacoppe, Emily Longman, and Zachary Rogers. The team had no defined roles at the outset, but over time Emily became the primary research design and compiler, Zach was the hardware specialist before the team decided to drop hardware from consideration from the project, and Dominic was the ROS expert and was the go-between for the team and Vedanth. Vedanth produced a small bit of code for the team, but on the whole took a supervisor position for the duration of the project, mostly providing ideas for what to explore next and detailing what he expected from the team at any given time.