

Project

Allow people to open a garage door from their iPhone

Approach

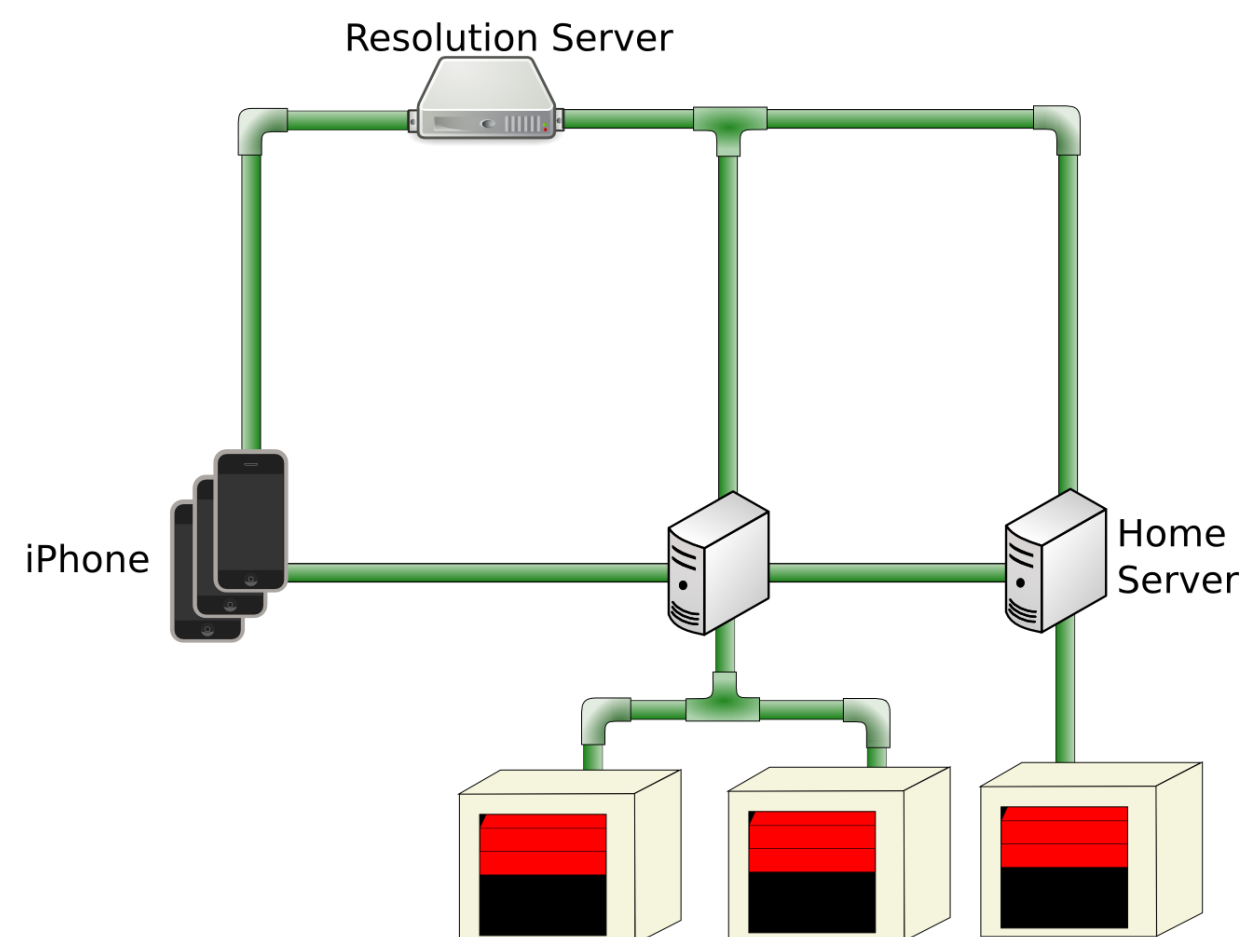
- Garage door is controlled by an Arduino microcontroller
- Home server controls devices
- iPhone app controls home servers
- Resolution server connects iPhones to home servers over the internet

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Network



- Resolution server will allow the iPhone to find a user's home server over the internet
- Once a user's iPhone has found a home server it will communicate directly with that server

Home Server

- A computer that sits in users' houses running the cross platform software
- Passes messages between devices and iPhone
- Extendable to other devices (e.g. sprinklers, home lighting)
- Web front end allows users to easily configure server

Devices

- Communicates to home server via USB
- A variety of devices can communicate with home server

iPhone App

- Users can easily view all of their home servers from a list
- Once a user selects a home server they can view all of the devices connected to that server and the devices' states

