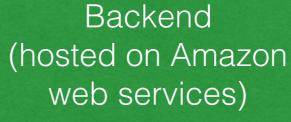
POC 1: Connectivity

Dario A Lencina Talarico

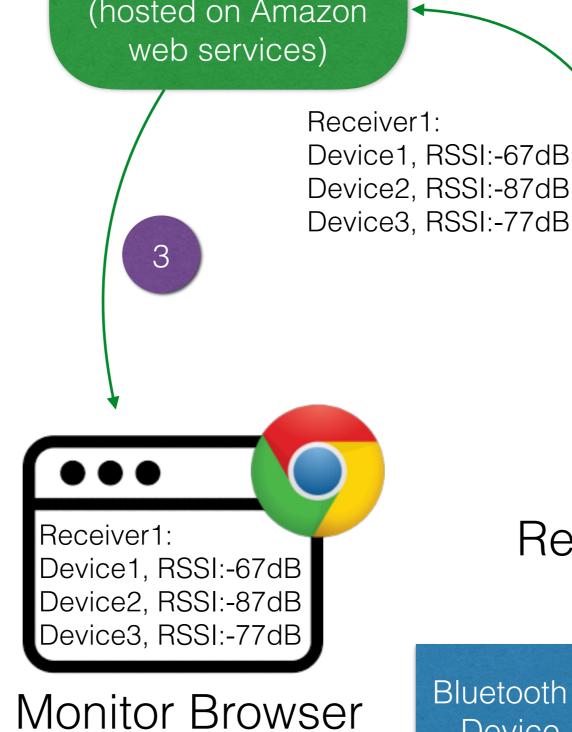
Objectives

- Design and test connectivity between receivers and backend.
- Design receiver Bluetooth scanner logic.
- Design method to distinguish between receivers.



WebSocket live connection

- Receiver App scans for nearby Bluetooth Low Energy Devices.
- Receiver App sends a JSON document with it's identifier and a list of Bluetooth Devices to the backend.
- The backend pushes that list to all the connected monitors.



Receiver App





Device 1 buetooth LE Device 2

Bluetooth LE

ietooth LE Device 3

RSSI: Received signal strength indication

- Is a measurement of the power present in a received radio signal.
- The higher the RSSI number, the stronger the signal.