

Localization and Monitoring Using Passive RF on the Internet-of-Things

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Setup



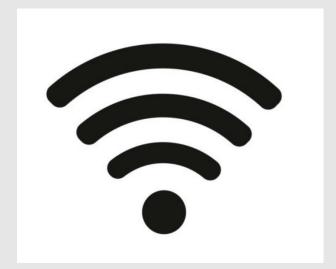
- Installing a Linux virtual machine (Ubuntu)
- Installing OpenWRT
- Connecting to the router
- Running experiments



Demo!



- RSSI (Received Signal Strength Indicator)
 - Imagine the WiFi signal indicator on your phone!



Next Steps!



- Await the next set of routers and install the CSI tool firmware!
- Run experiments with the CSI (Channel State Information)
 - Contains more geometric information about the WiFi signal such as the phase and amplitude the signal was received

