LoRa Sensor Pipeline

# Introduction

The following document explains the layout for the whole system

# Known Issues

* Requires access to Cisco’s virtual private network
* Large learning curve to

# Setup

## Required Software

1. Arduino IDE
   1. Sensors libraries; LoRa ICP Library
   2. adafruit M0 board packages
2. Cisco Anyconnect
3. MySQL Workbench

## Required files

1. Arduino.ino & config.h

# Recording Data

## Upload sketch to Sensor

via Arduino IDE, change config.h to suit project

## Database Architecture

The database is stored on a Cisco server, so you need to connect to the cisco VPN to successfully connect to the database

## Alternative solution

1. adafruit.io
2. Kibana and Elastic Search

# Interrogating data

csv -> Excel

csv -> Spyder