

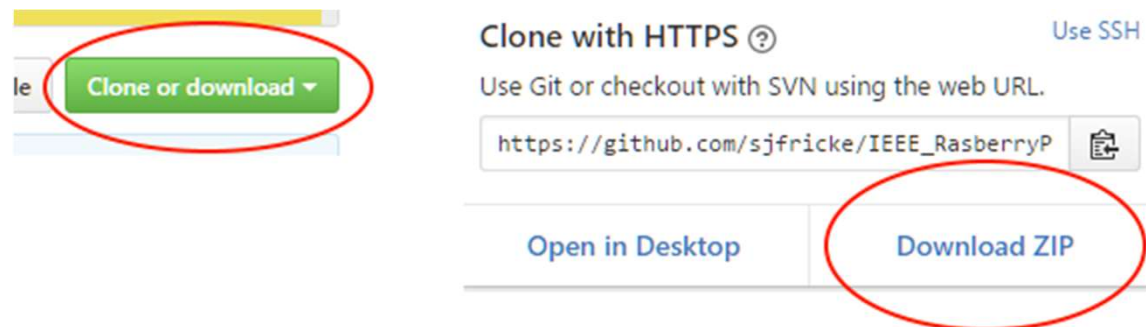
# Setting Up Main Sever

# What you need

- Node.js ([Link](#))
  - Runs the server
- MongoDB ([Link](#))
  - Database
- MongoDBAdmin ([Link](#)) or MongoChef ([Link](#)) **(Optional)**
  - Allows to view Database with a GUI
  - Can do everything via command line

# Get the repository

- Option 1
  - Type in terminal/command prompt
    - `git clone https://github.com/sjfricke/IEEE_RaspberryPi_Socket_Pokemon.git`
- Option 2 (if git is not installed)
  - Go to [https://github.com/sjfricke/IEEE\\_RaspberryPi\\_Socket\\_Pokemon](https://github.com/sjfricke/IEEE_RaspberryPi_Socket_Pokemon)
  - Click “Clone or Download” then “Download Zip”



# Installing Node.js

- Download from site
- Run installation
- Type `node -v` to make sure it installed
- For Windows – Open Node.js Command Prompt if it is not showing the version

# Running MongoDB

- Instructions for [Windows](#), [Mac](#), or [Linux](#)
- Mongod vs Mongo ?
  - **Mongod** is “Running MongoDB”
    - Stands for “Mongo Daemon”
  - **Mongo** is the command line interface which we config with
- Have a shortcut that starts the **mongod** service or **mongod.exe**
  - Have this running before starting the server up
- Read [MainServer\Database Import\README.md](#) for how to import the MongoDB data in that folder

# Running the Server

- Open Terminal/Command Prompt
- Move to “MainServer” folder
- Run `node server.js`
- To test go to <http://localhost:8000/HelloWorld/red>
- To view a device go to `http://localhost:8000/play/<deviceNumber>`