

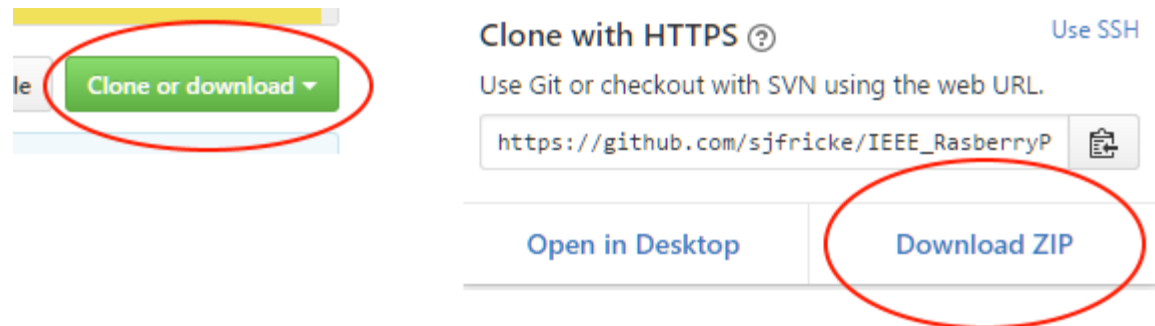
Setting Up Main Server

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
 - 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

Installing Package with Node.js

- Node server uses additional modules to work
- Easy installation with Node's Package Manager
- Move to the "MainServer" folder
- Type `npm install`
- All the modules are now in a "node_module" folder
- Used the "package.json" file to get info

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>`