Smart-Building Report

Simon Remington

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1 Introduction

This is the report to my project. It covers the procedures I have taken so far

2 Setting-up Raspberry Pi

2.1 Obtaining the Raspberry Pi Operating System

The RPI image can be obtained from:
https://www.raspberrypi.org/downloads/raspbian/
The image is: Raspbian Stretch Lite, a minimal image based on Debian Stretch. The lite image is for a headless install. All communication to the RPI is made via ssh.
Version: November 2018
Release date: 2018-11-13
Kernel version: 4.14
Download and unpack the image.
I have used both Windows and Linux Debian to create the bootable operating system so that I get a greater knowledge and understanding of completing the flash process.

2.2 Windows flashing

Check the hash, SHA-256 of the image.
Use Windows built-in certUtil -hashfile Path/To/File/file.img SHA256 to compute hash Insert SD card into Windows machine. Use Etcher to flash image obtained from: https://www.balena.io/etcher/ Download Etcher and install.
from Etcher, select source (Stretch-lite img), Destination (SD card) Flash the card

2.3 Linux flashing

now go to debian machine

3 New Paragraph

well hello there

4 this is section

4.1 this is sub