WD PiDrive Foundation Edition
Project Examples for Project Spaces

Project Examples (compiled from various online posts; will change over time)

The information below provides examples of command-line programming projects that can be created using Project Spaces. The information is provided as is with no expressed or implied guarantees or warranties, including any warranties of merchantability, fitness for a particular purpose, or non-infringement of third-party intellectual property, by us or by any of the parties referenced or contributing. It is intended solely to provide examples of the concept of using command-line programming to create useful and sophisticated solutions. Although the example projects appear to generally work, they have not been tested, and the entire risk is on you. There may also be typos and incorrect or old information. These are intended as examples for learning only.

The Project Spaces document can be found at the following location if you have not created any Project Spaces yet: wdlabs.wd.com/downloads/

> Note: An Internet connection is required for all of the projects in this document. If you followed the Project Spaces document listed above it should walk you through how to setup a network connection.

Install a Desktop Environment (GUI)

Project Spaces install a minimal version of Raspbian and only has a command line. A graphical user interface will present a desktop environment that is easier to you and doesn't require a lot of command typing.

On the raspberrypi.org website a nice tutorial has been written on how to install different types of GUIs such as LXDE, XFCE, and Mate. Please see the link below and start from "Part 2 – Bring in the Furniture".

www.raspberrypi.org/forums/viewtopic.php?f=66&t=133691

Install a web browser

To install a graphical web browser you will need to install a graphical user interface. Make sure to install one of the desktop environments in the section above before followings these steps.

1. Open a terminal/command line from within the GUI.
2. Choose one of the web browsers below to install it
    a. *Chromium* – To install Chromium type the commands below
    $ sudo apt-get install chromium-browser
    A list of packages will be installed and it will prompt you to continue. Press **<y>** and **<Enter>** key to cofirm.

b. *IceWeasel* – To install IceWeasel type the commands below. IceWeasel is similar to, and built off, FireFox.
$ sudo apt-get install iceweasel
A list of packages will be installed and it will prompt you to continue. Press **<y>** and **<Enter>** key to confirm.

3. The browser should now be installed and accessible from the GUI.

Create a Personal Network Storage Location

This project will turn your Raspberry Pi device into a NAS (Network Attached Storage) that uses the SMB/CIFS protocol, also called Samba, so that files can be stored on the WD PiDrive device through the network. This also includes your cell phone if you have a file management app that supports SMB.

Please see the link below to try this project:
Projpi.com/diy-home-projects-with-a-raspberry-pi/raspberry-pi-samba-share-in-5-minutes/