The Linux GUI

The Linux Graphic User Interface

Tim Wenzig
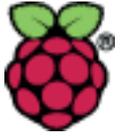
N5TEI

twenzig@gmail.com
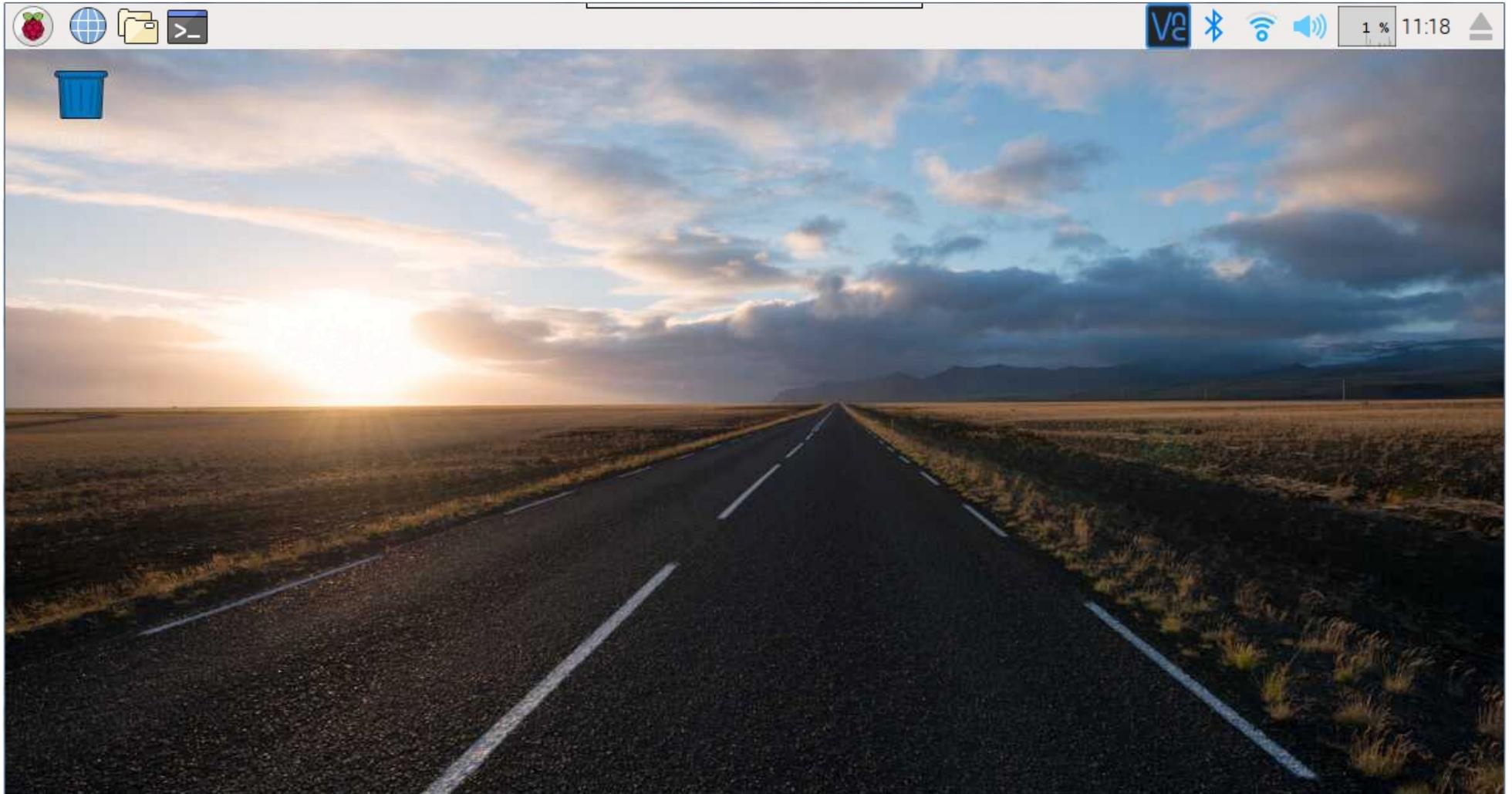

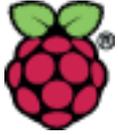John Brown

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SEA PAC

# The Linux **G**raphic **U**ser **I**nterface
(GUI)

- The GUI is the familiar desktop interface or canvas that most of us are familiar with when we interact with a computer or smart phone. Examples are Windows, Android, macOS, iOS, and the various flavors of Linux.

- Almost all of the operating systems used on the **R**aspberry **Pi** (RPi) have a GUI.

- The version we are using is Compass, a type of Raspbian developed for ham radio use.

- The alternative way of interacting with the Compass OS (**O**perating **S**ystem) is through the command line
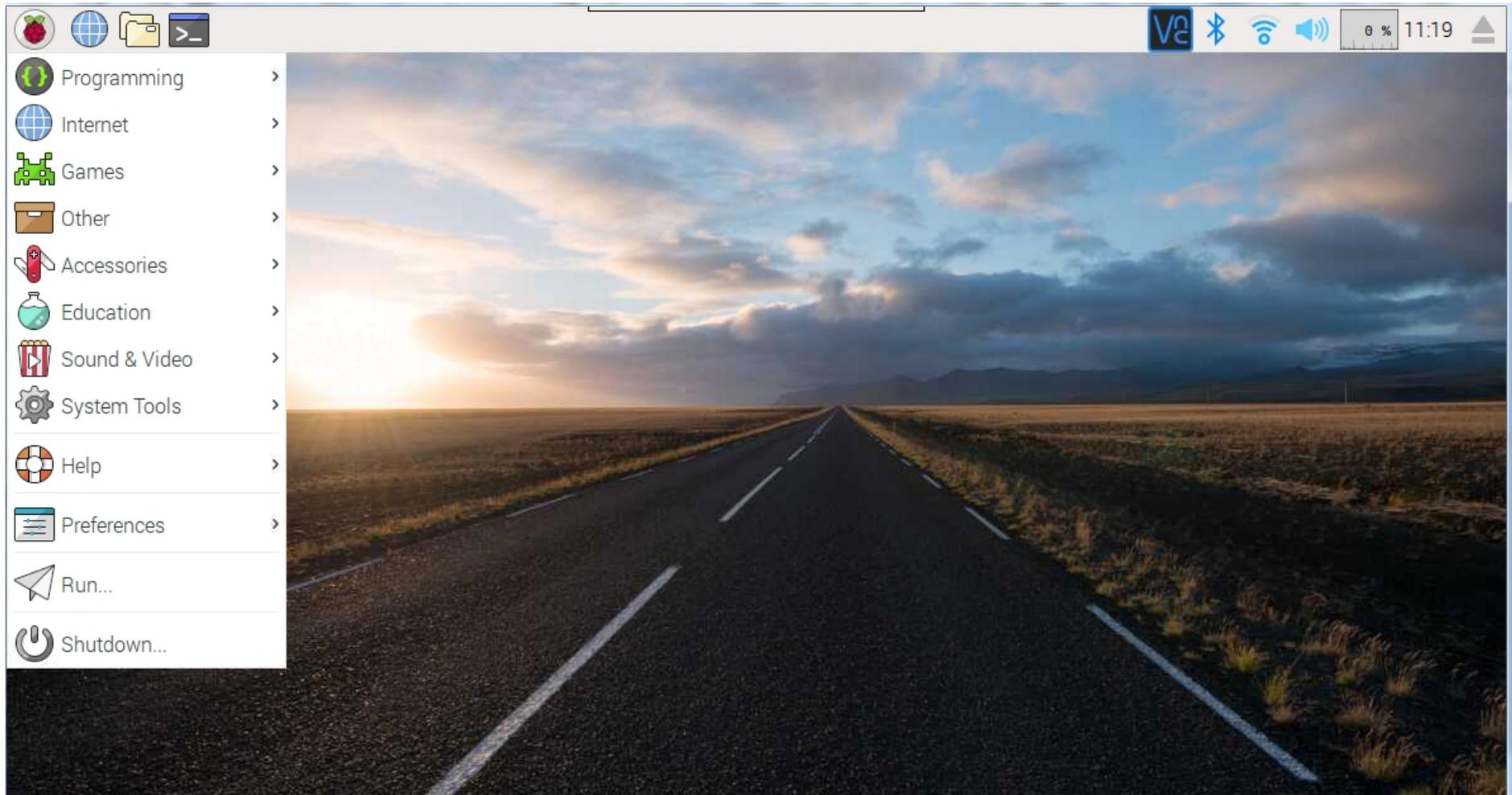
SEA PAC
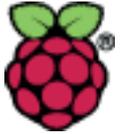
The Linux GUI

- So how do you navigate the Compass GUI?
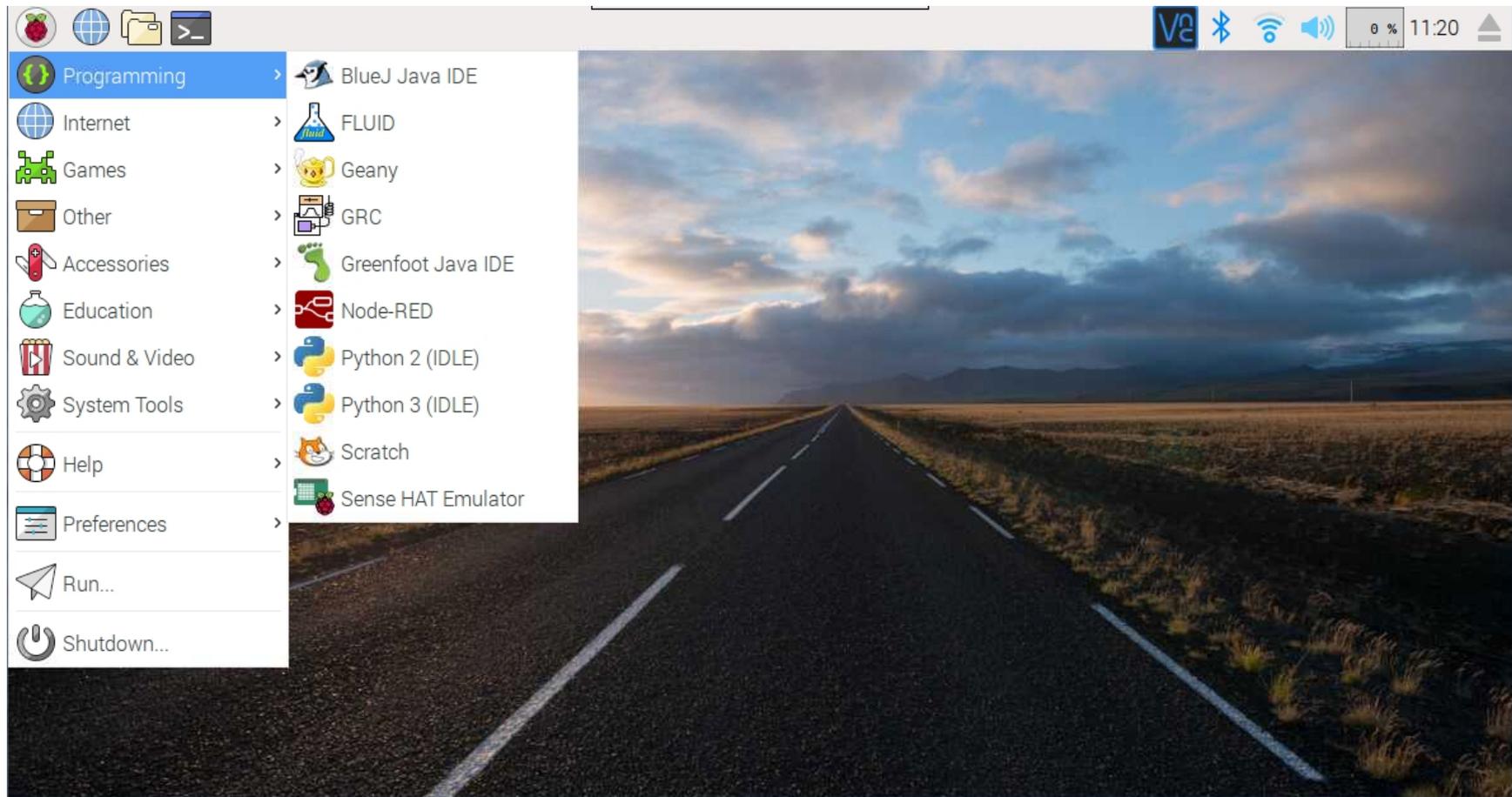- Start with the top line menus and items
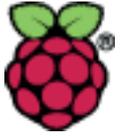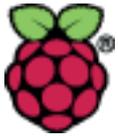
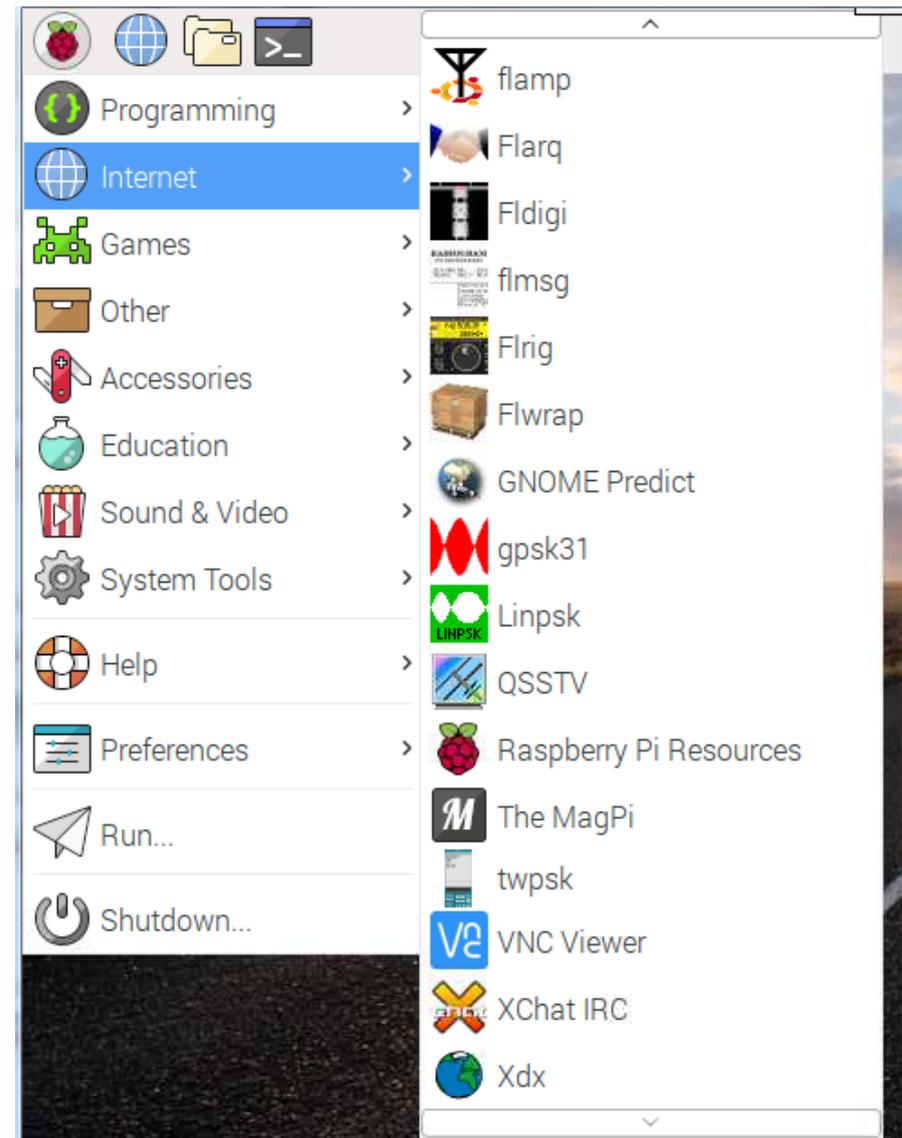# The Linux GUI

- ## The Menu Pulldown
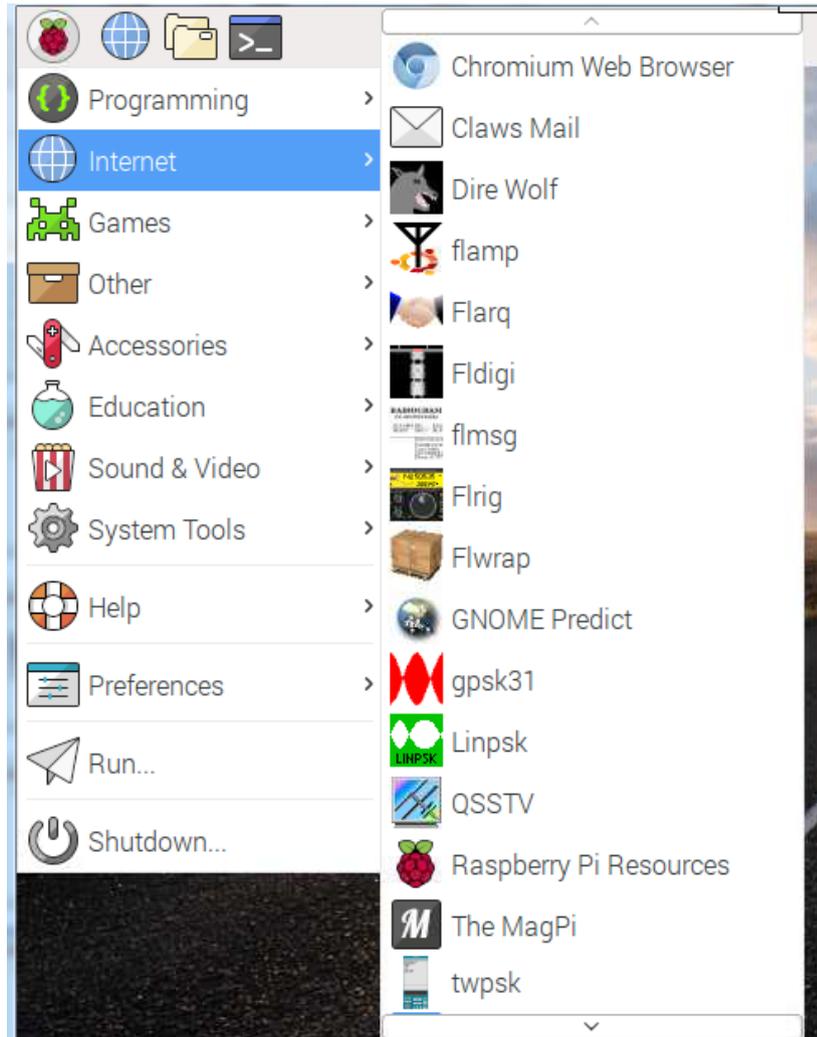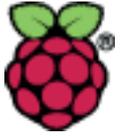
The Linux GUI

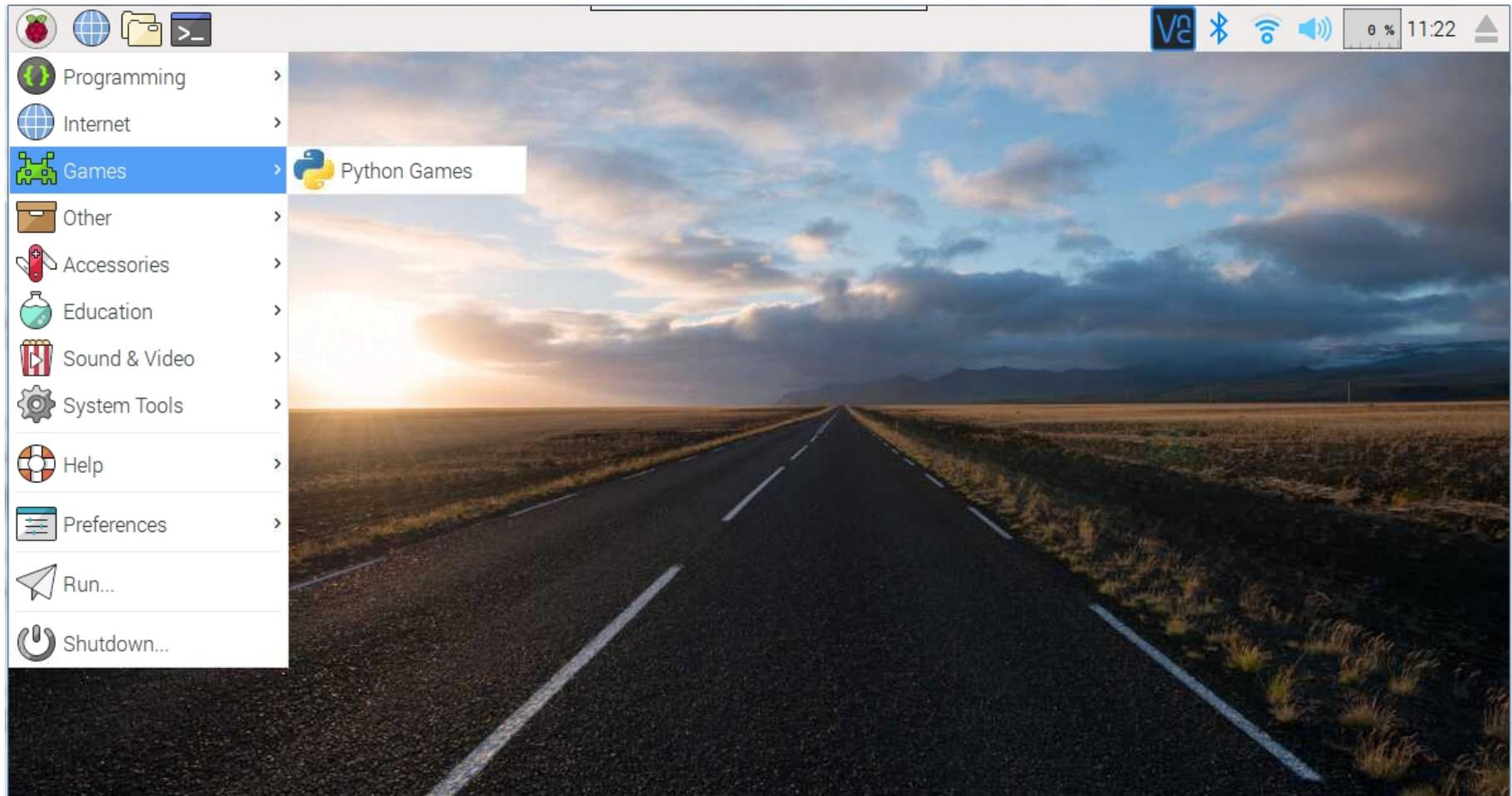- ## The Programming Menu Pulldown

The Linux GUI

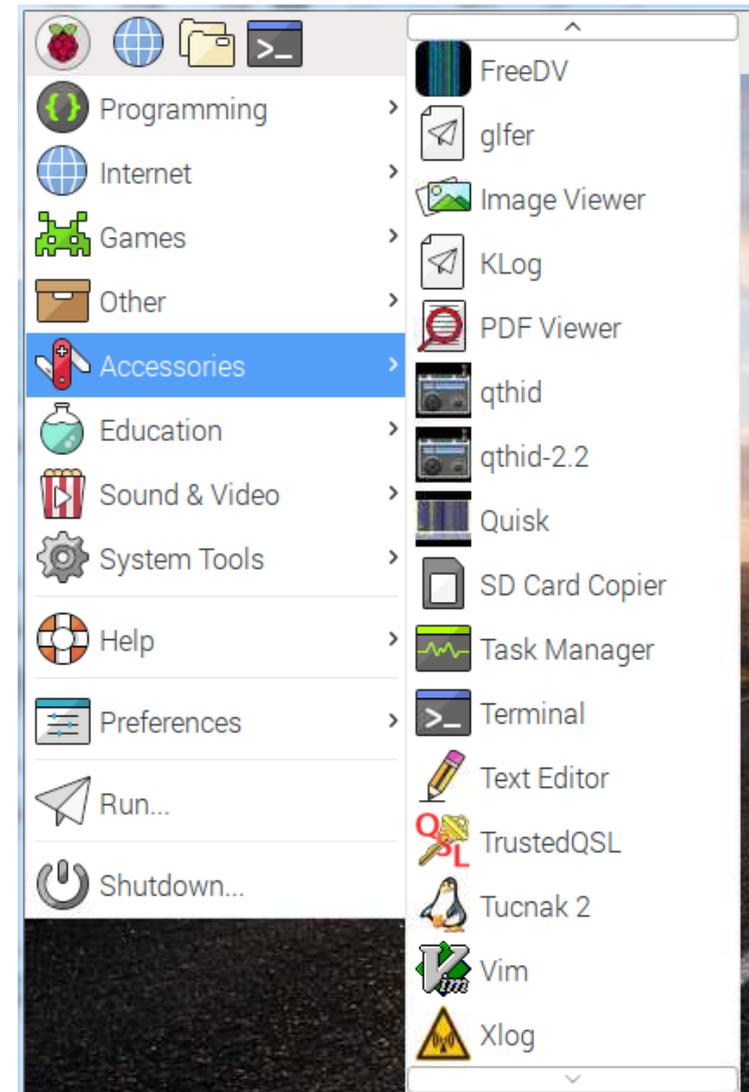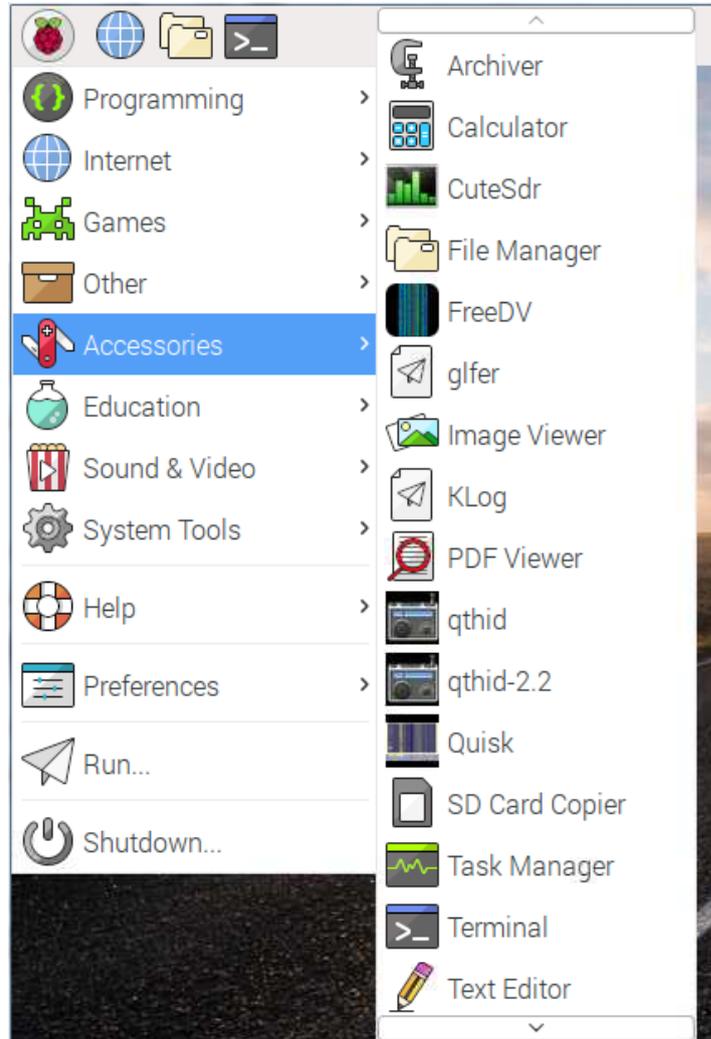- ## The Internet Menu
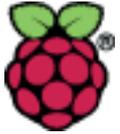
The Linux GUI

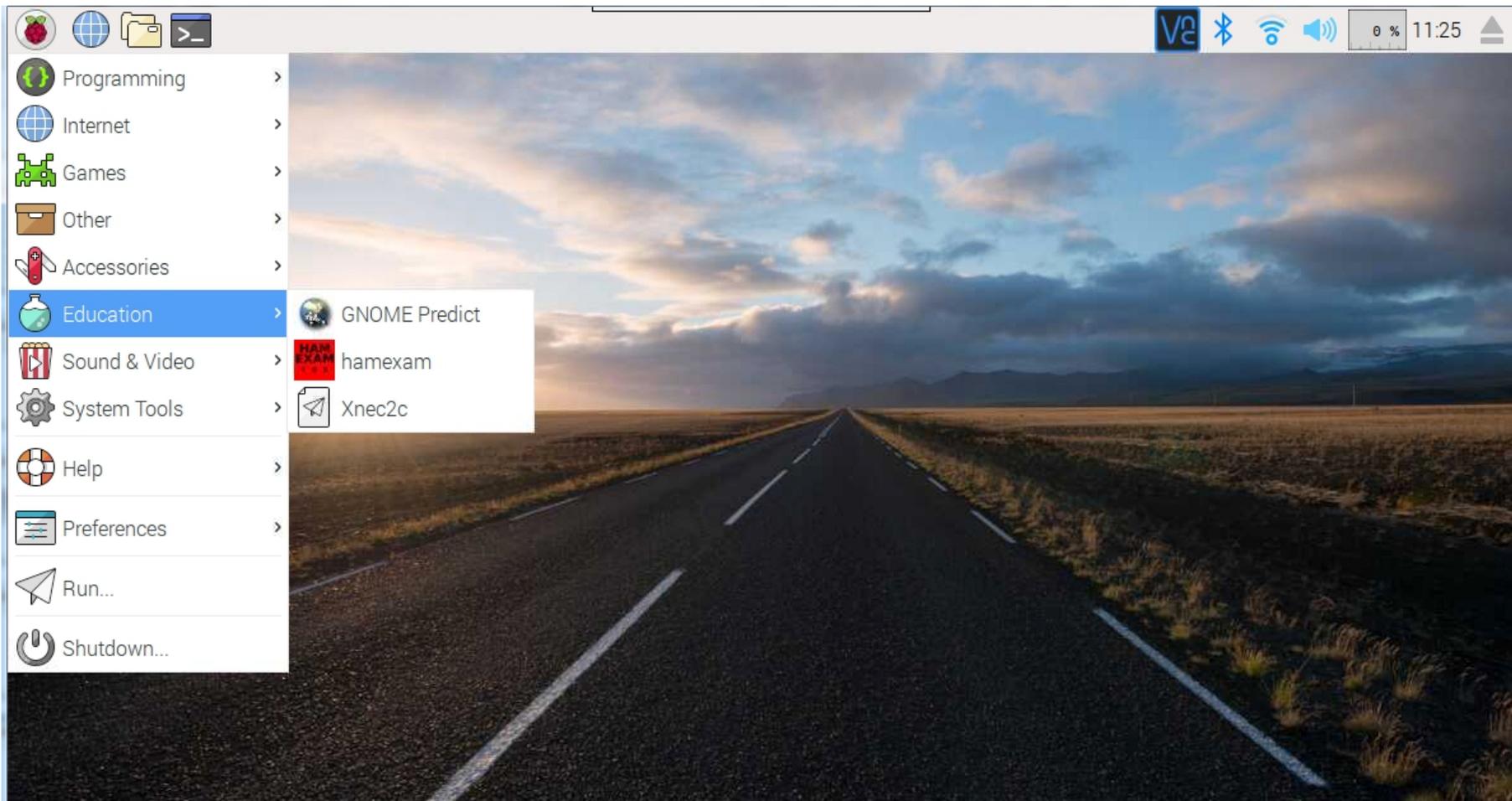- ## The Games Menu

The Linux GUI
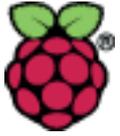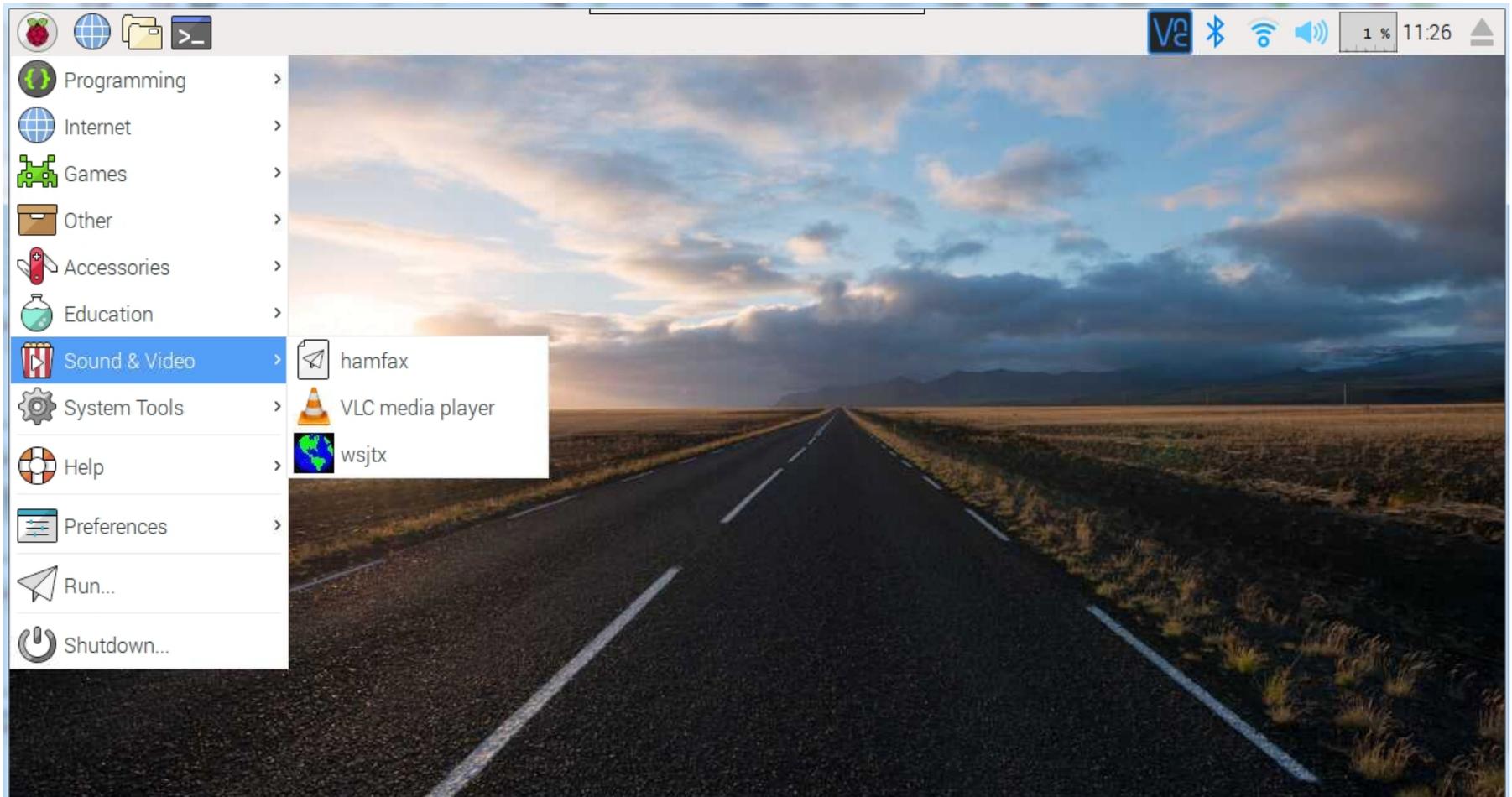
- ## The Accessories Menu

The Linux GUI
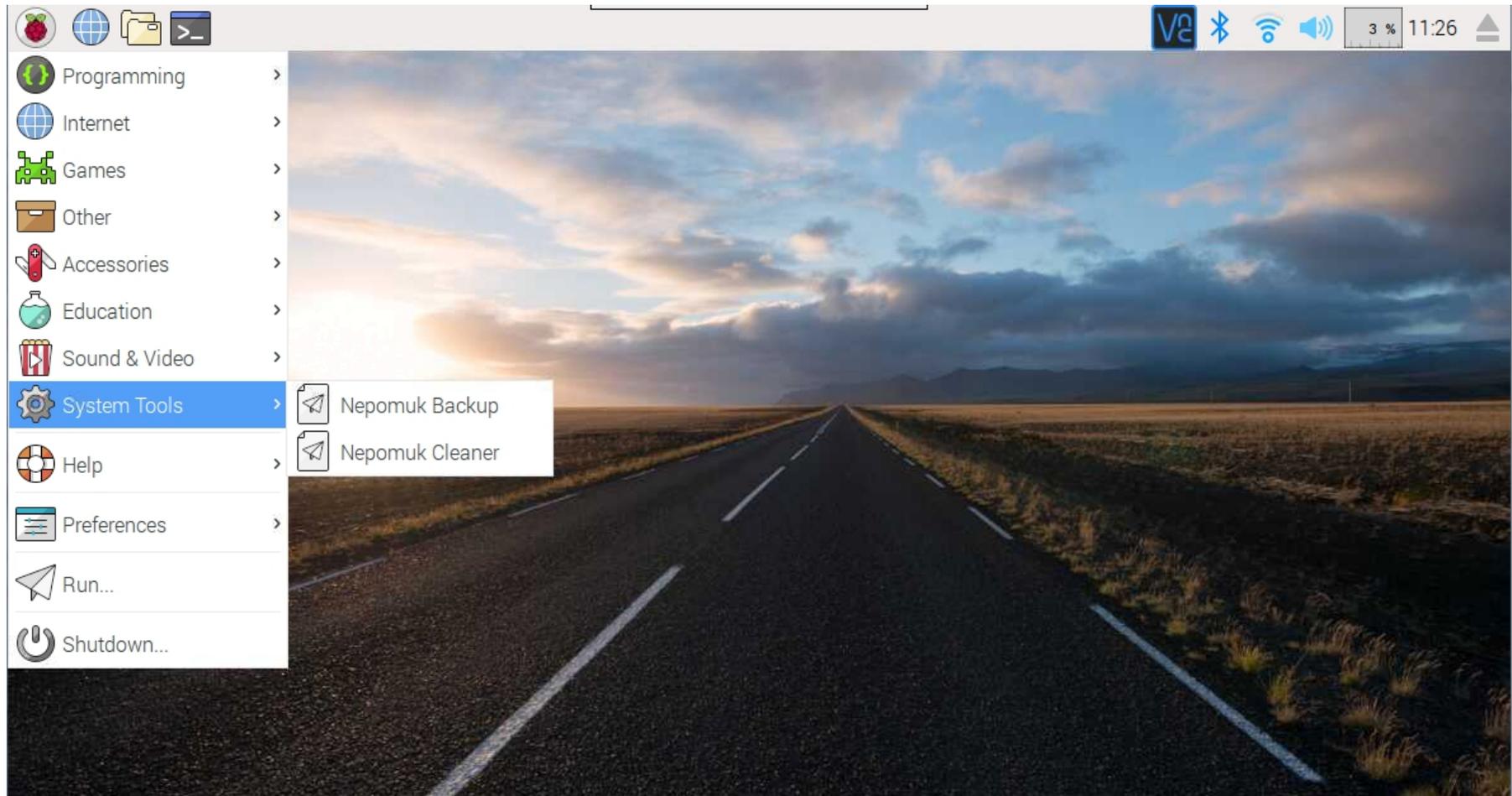
- The Education Menu

The Linux GUI
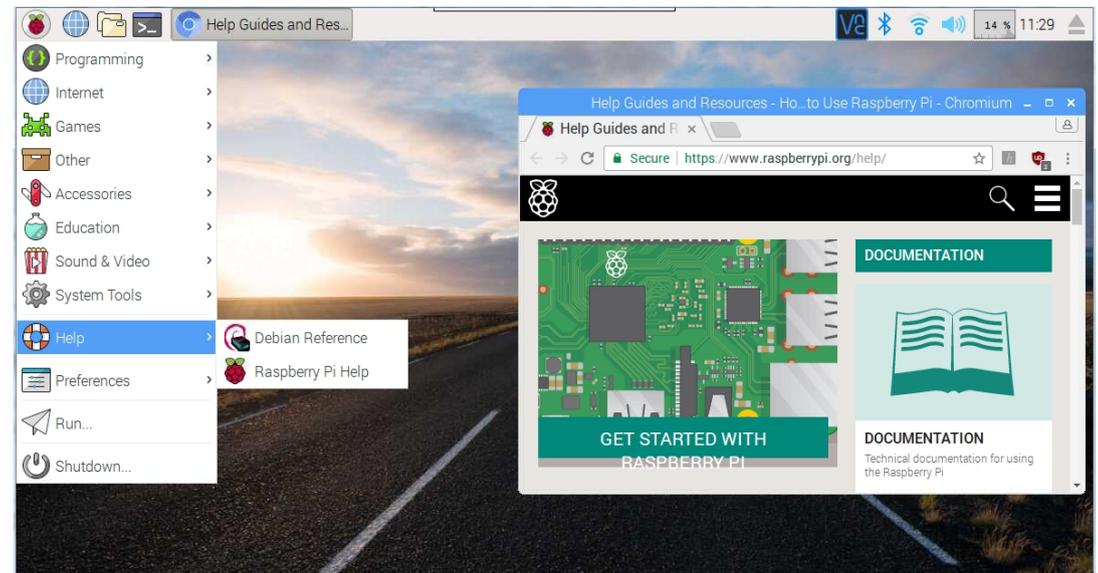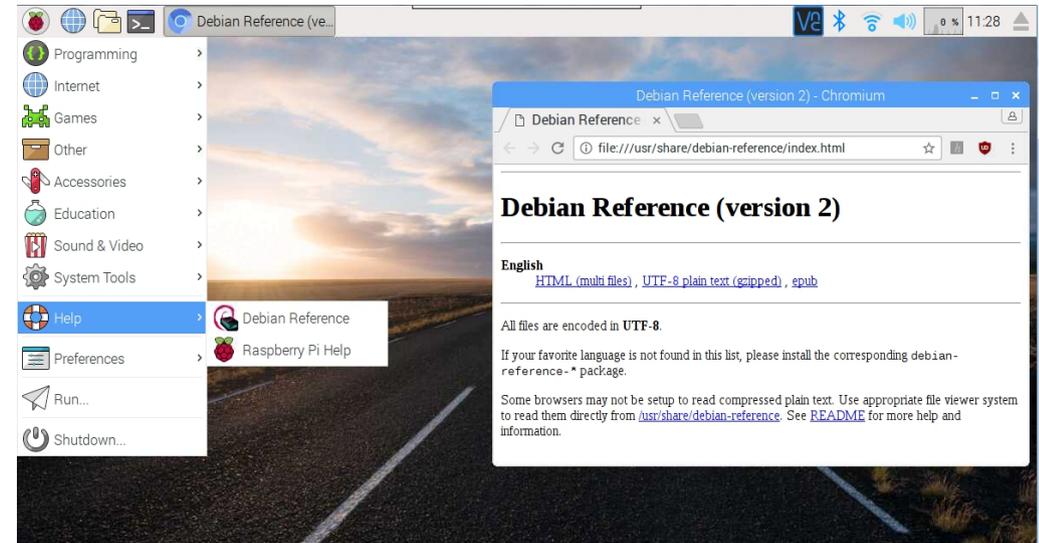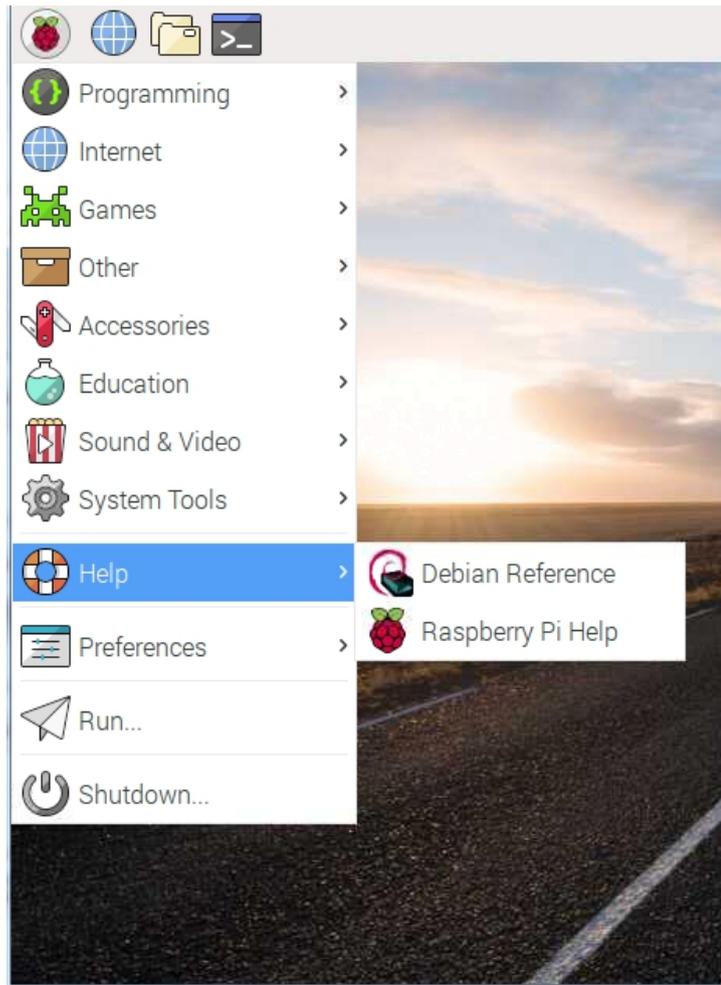
- ## The Sound Menu

The Linux GUI
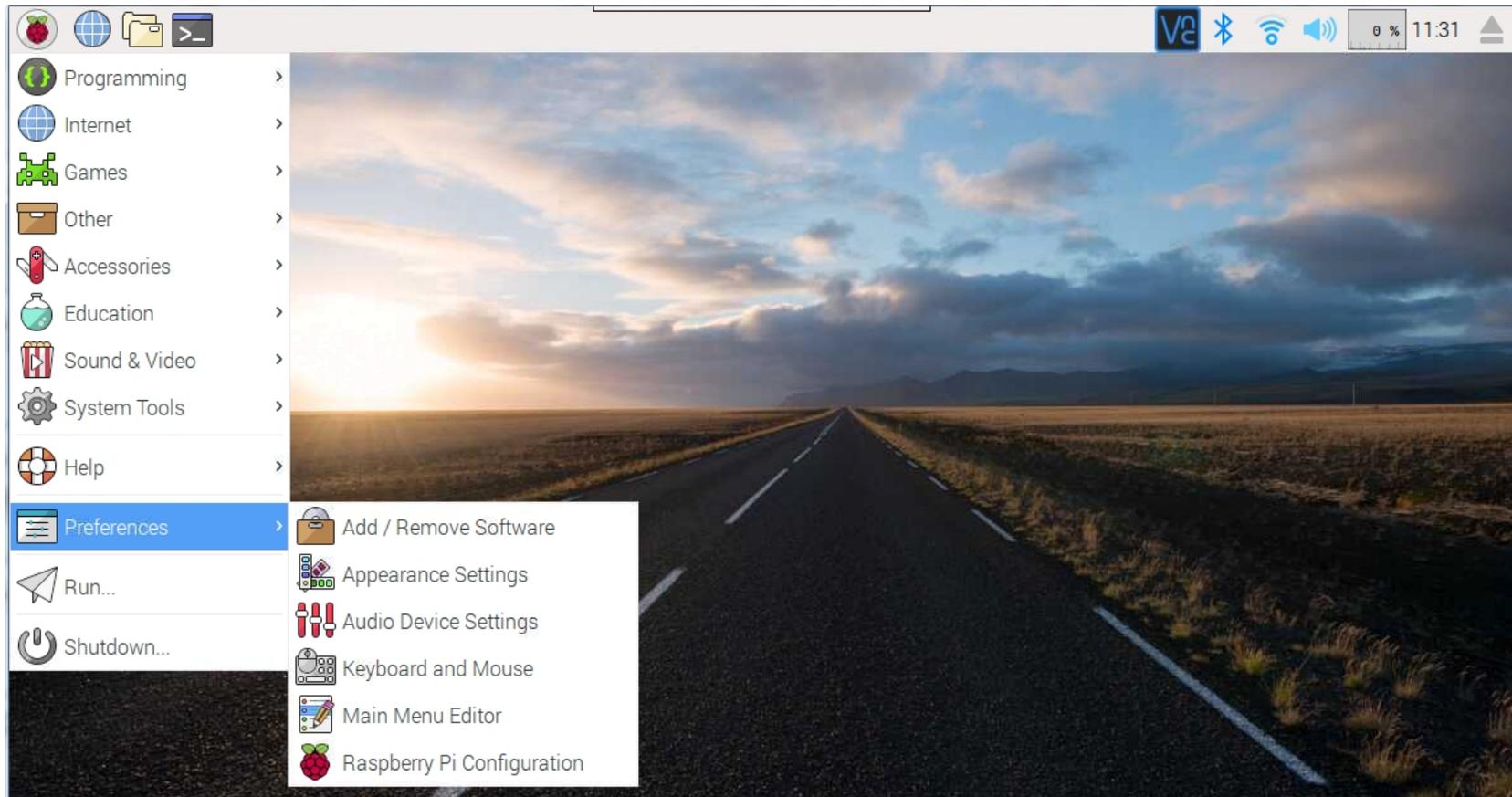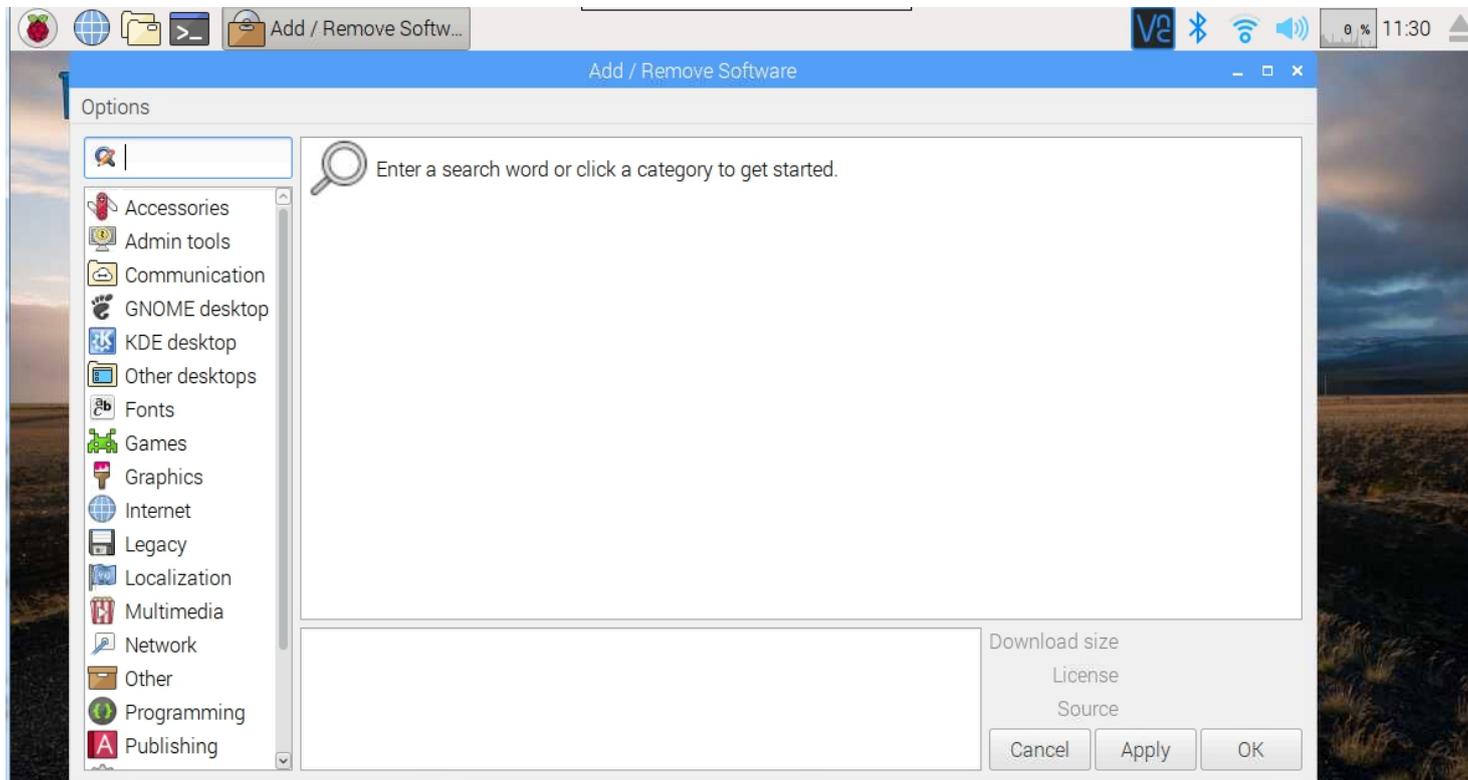
- # The System Tools Menu
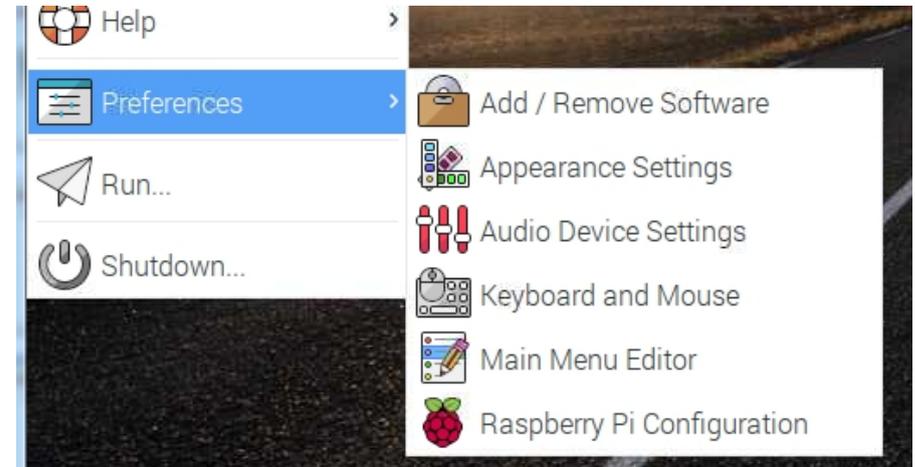
The Linux GUI

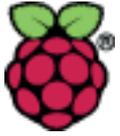- ## The Help Menus

The Linux GUI

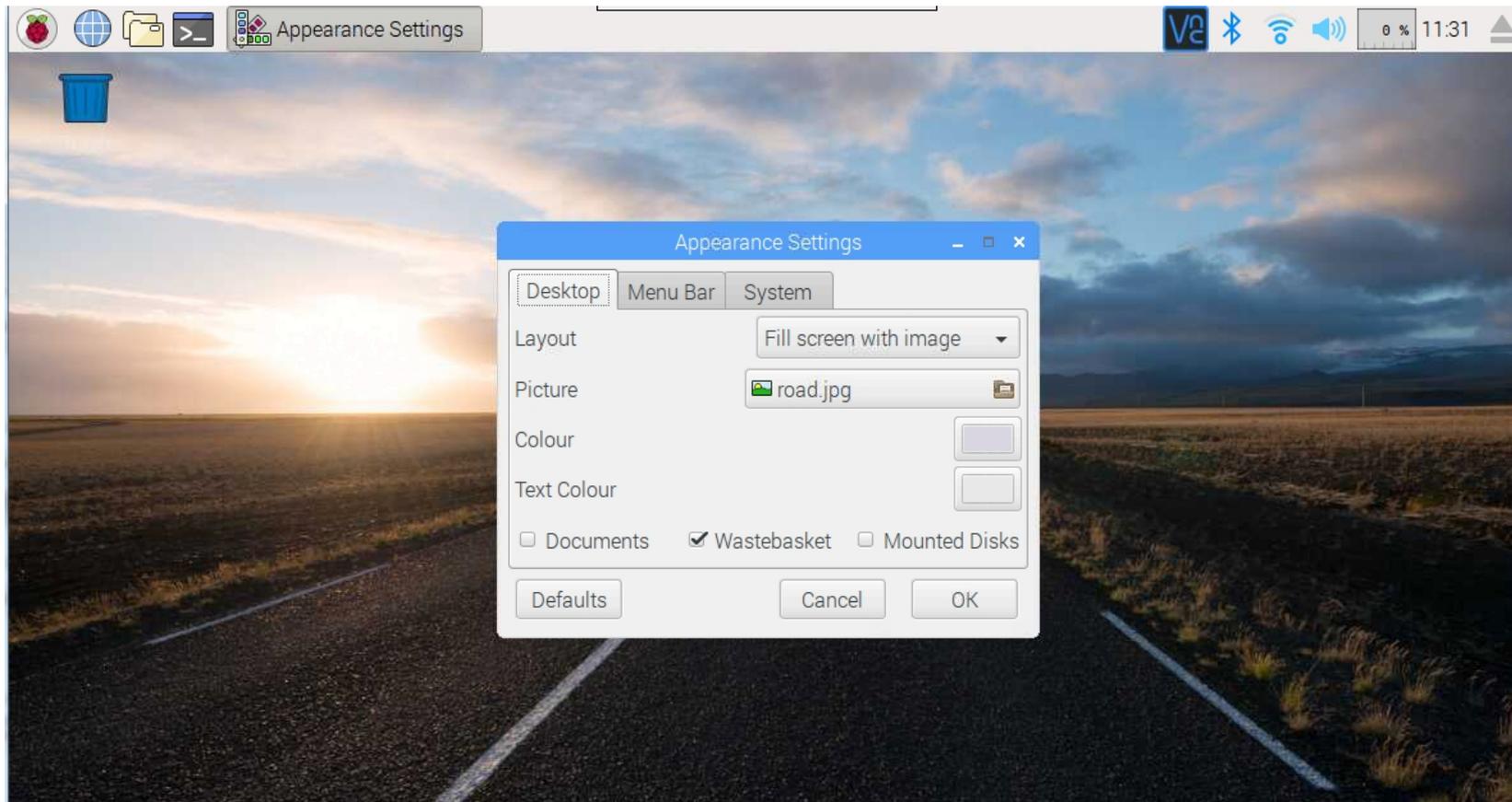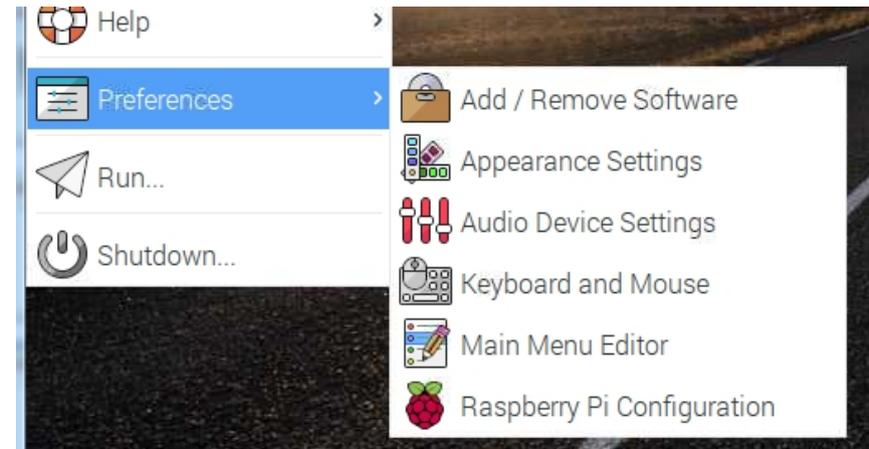- ## The Preferences Menu
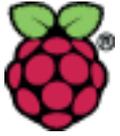
The Linux GUI

- Add Remove Software

The Linux GUI

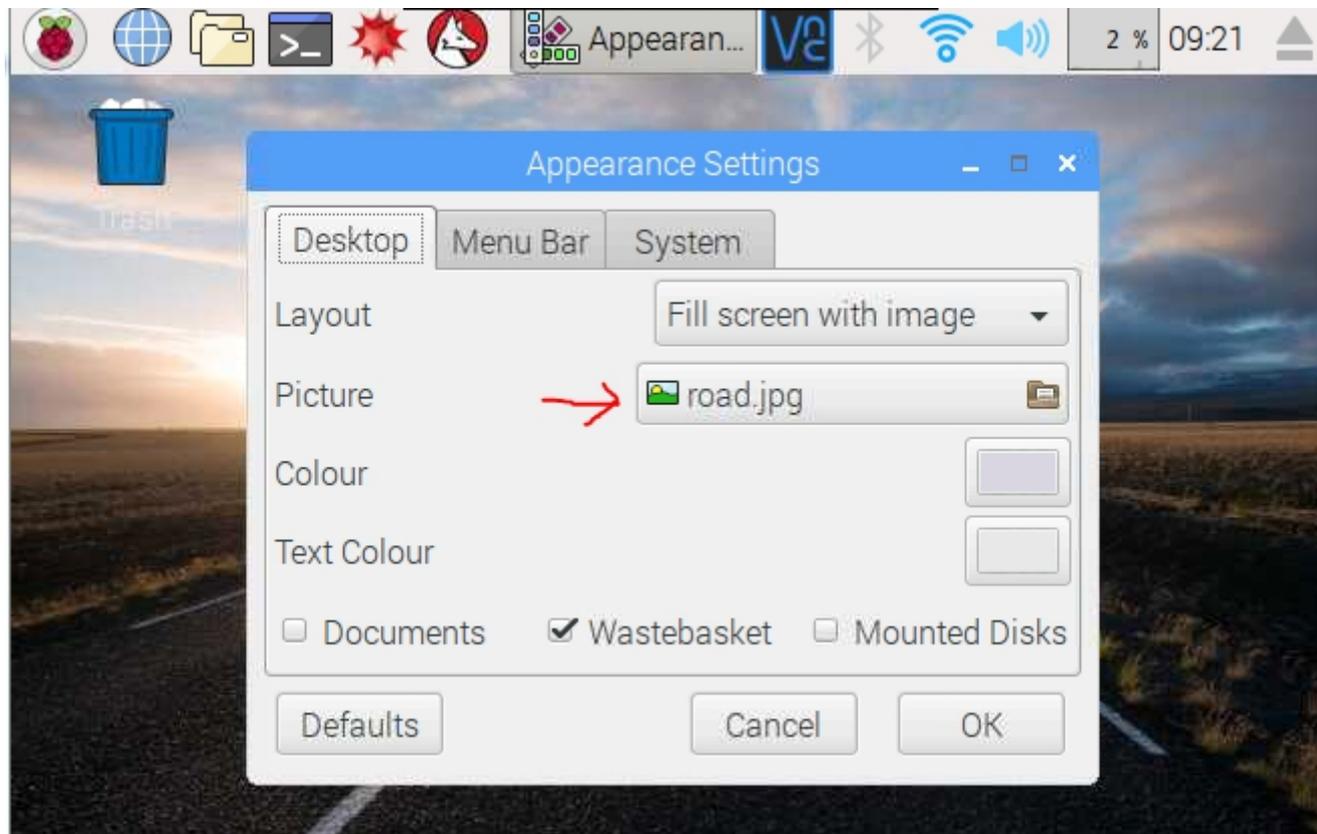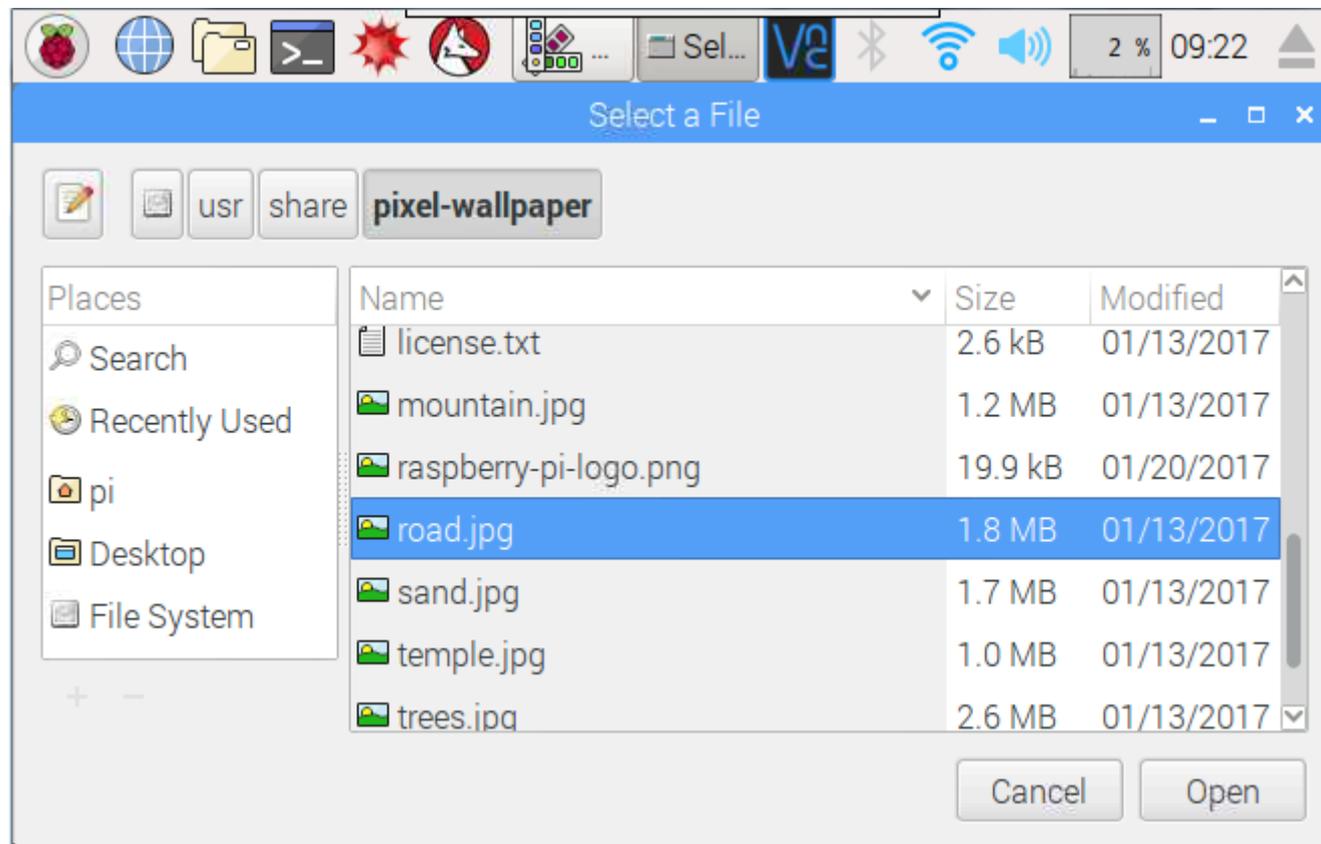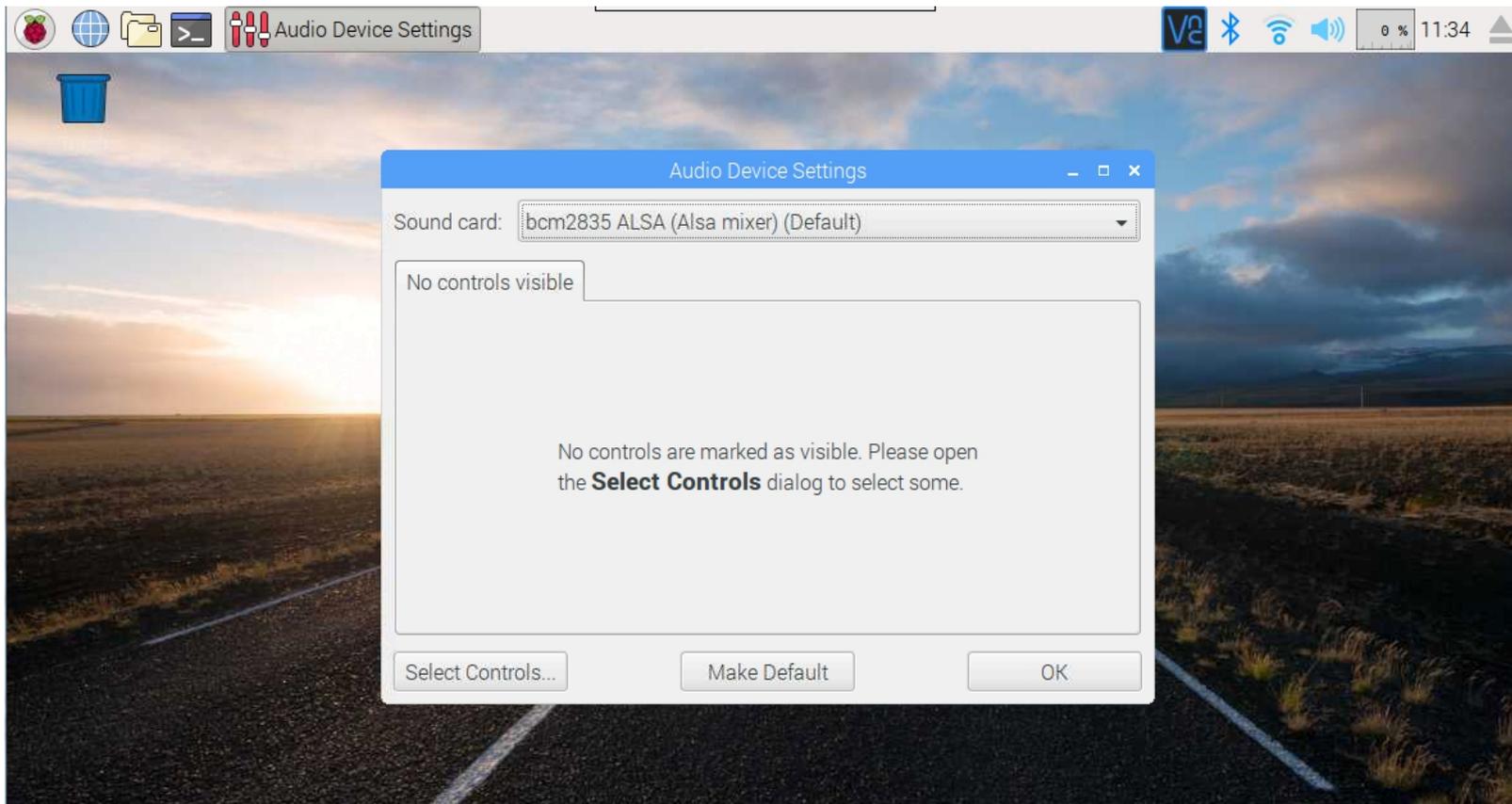- Appearance Settings
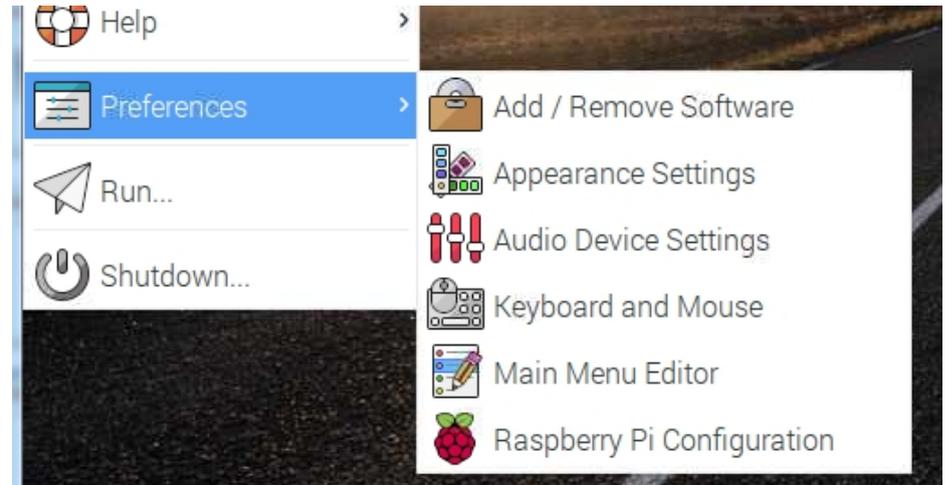
The Linux GUI

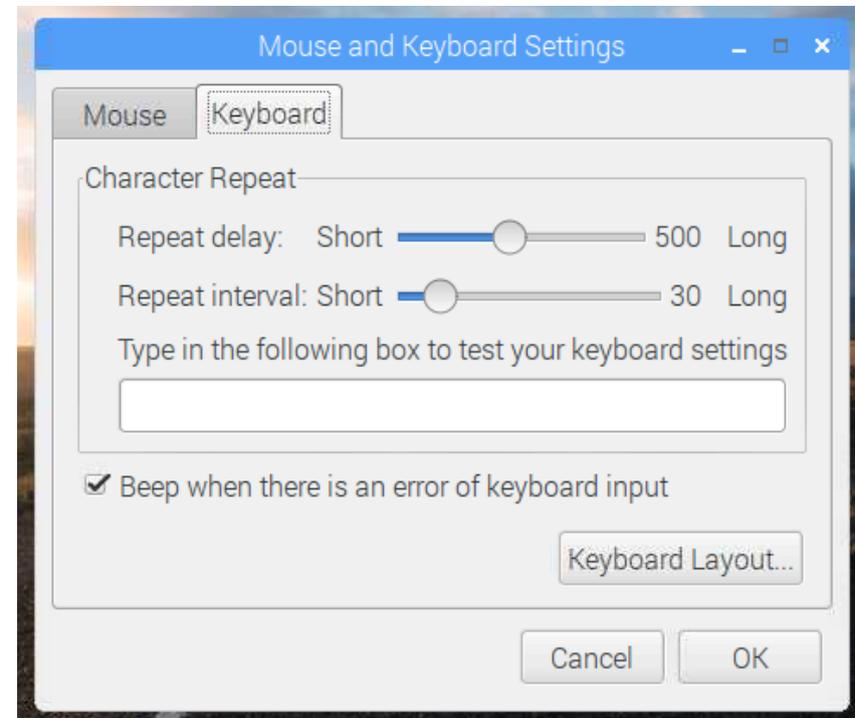- Change the Background

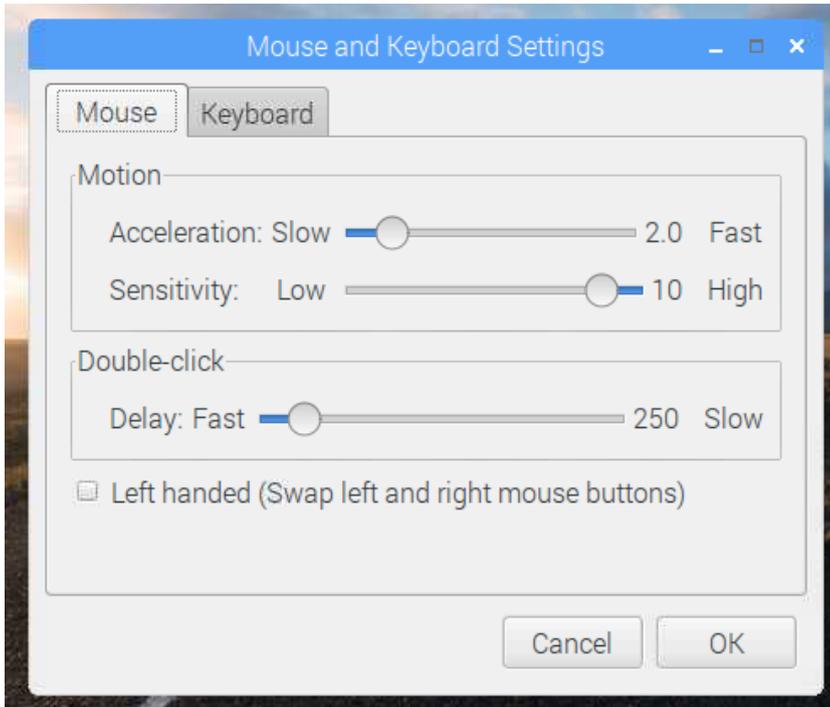# The Linux GUI

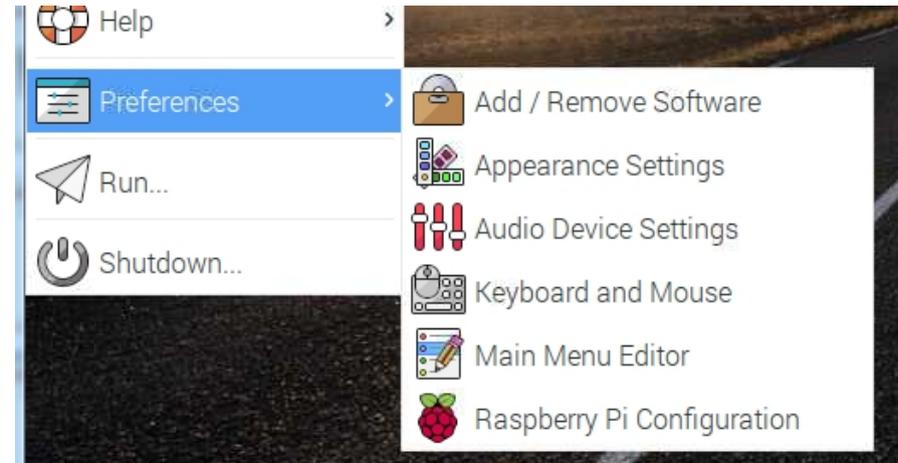- Change the Background
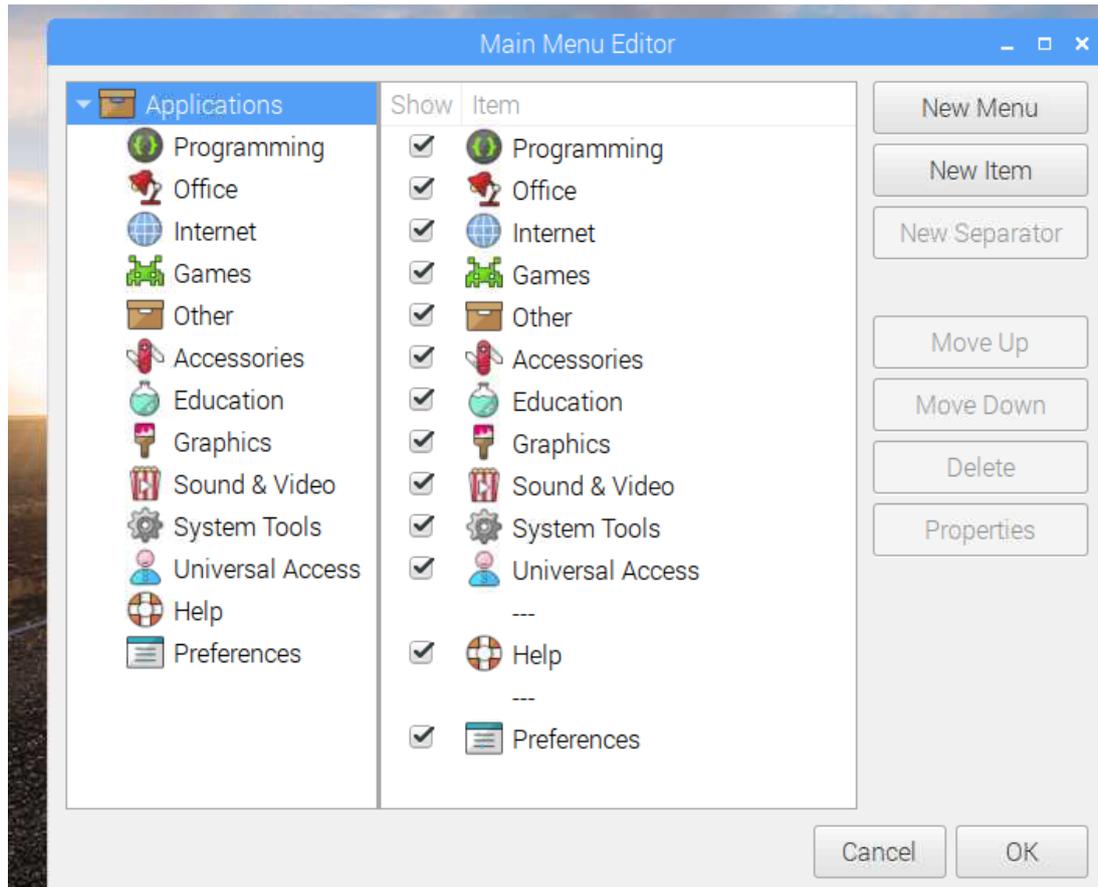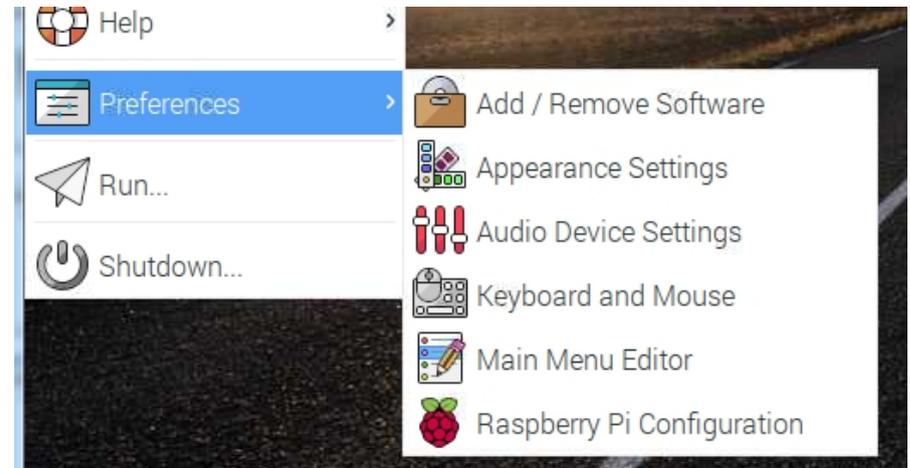
The Linux GUI
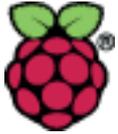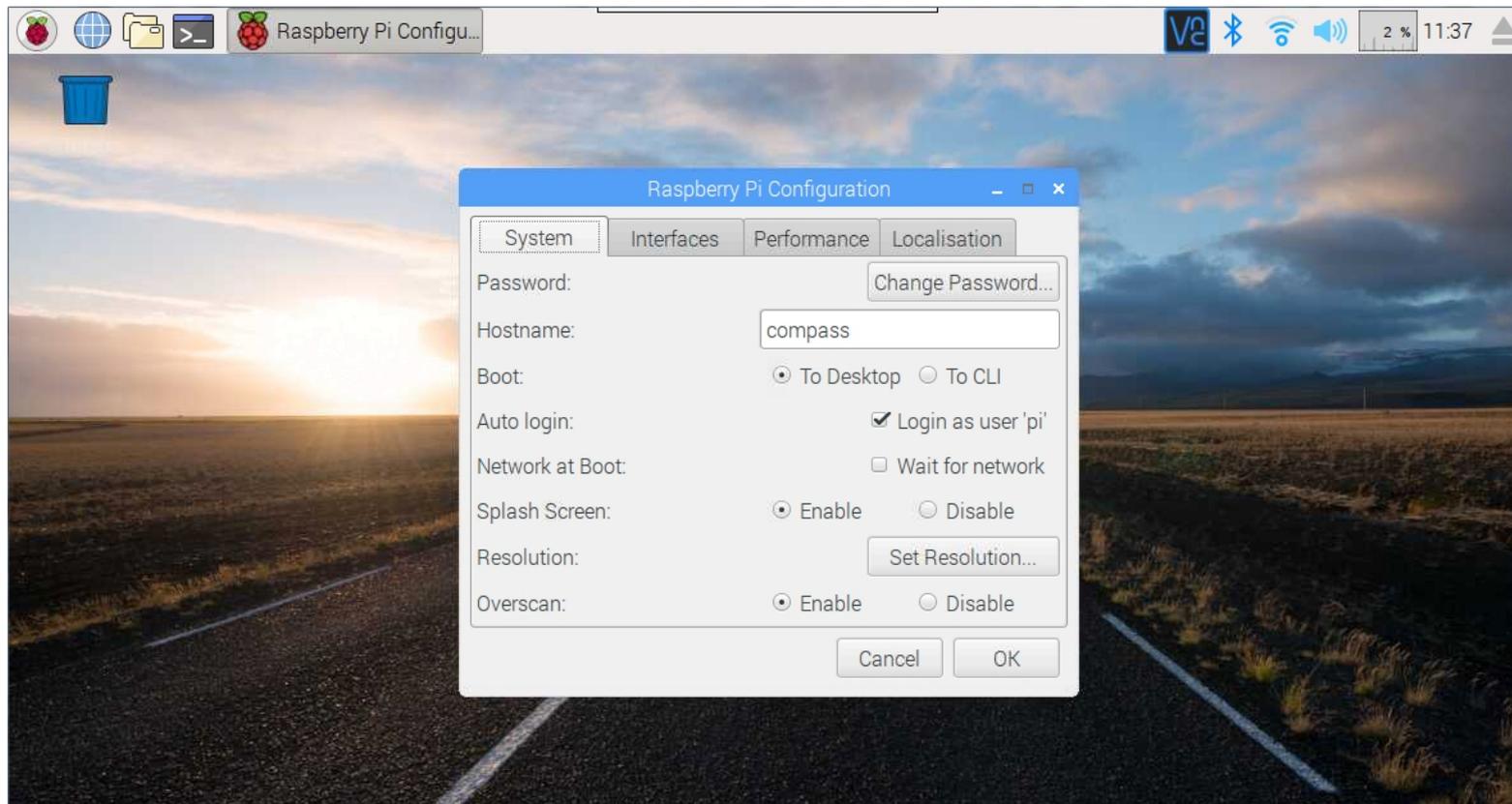
- ## Audio Device Settings

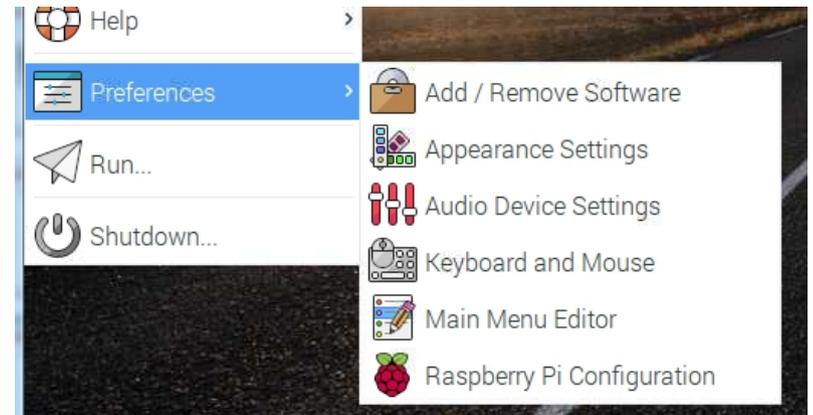# The Linux GUI

- ## Keyboard and Mouse

The Linux GUI

- ## Main User Editor Menu
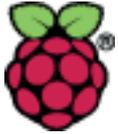
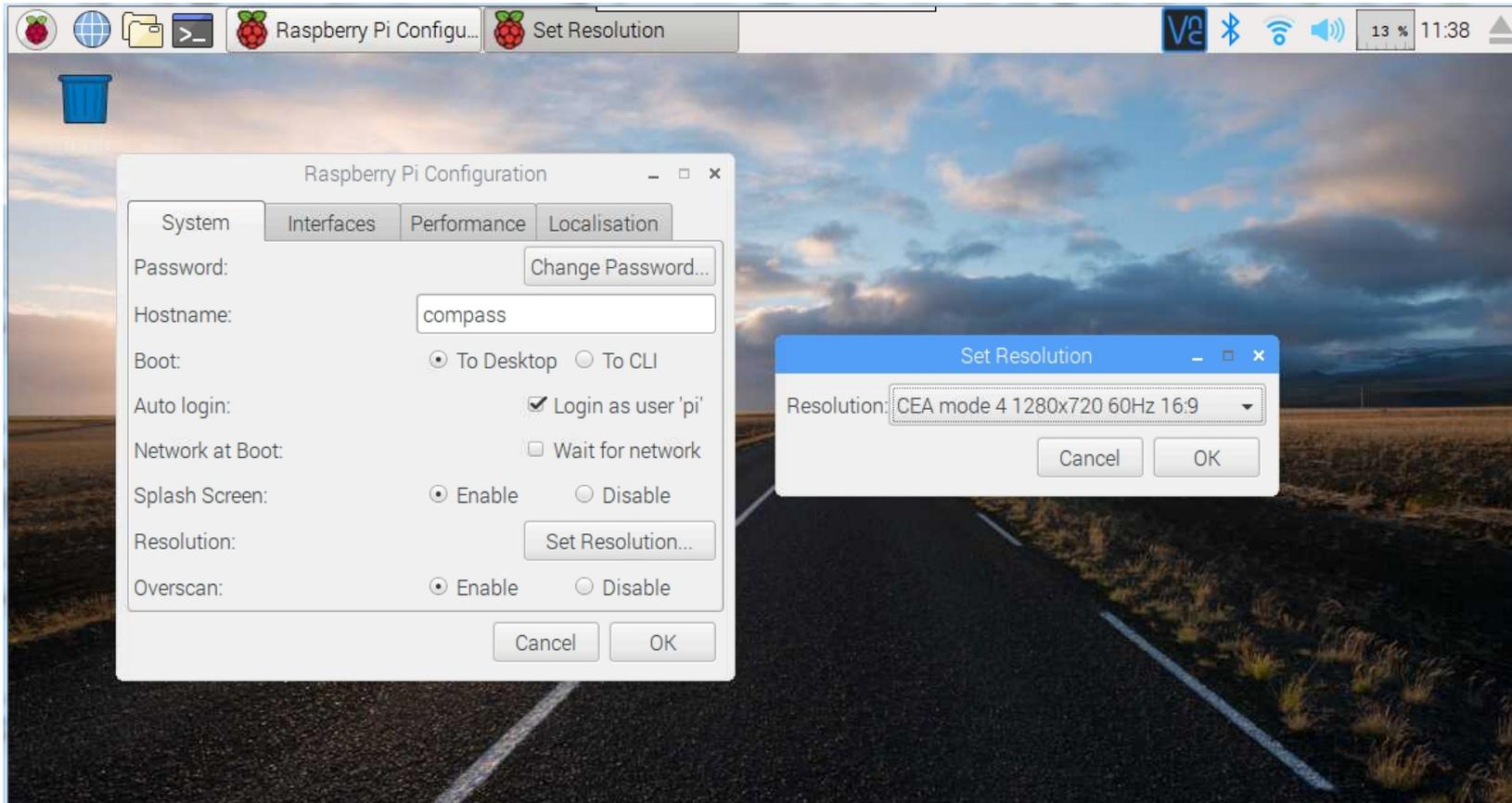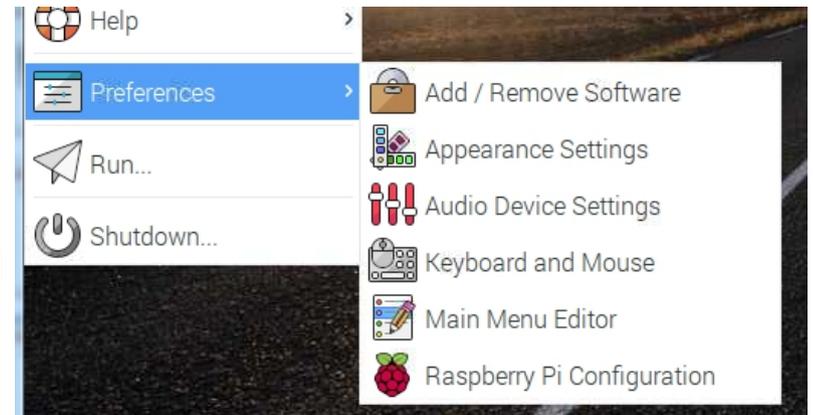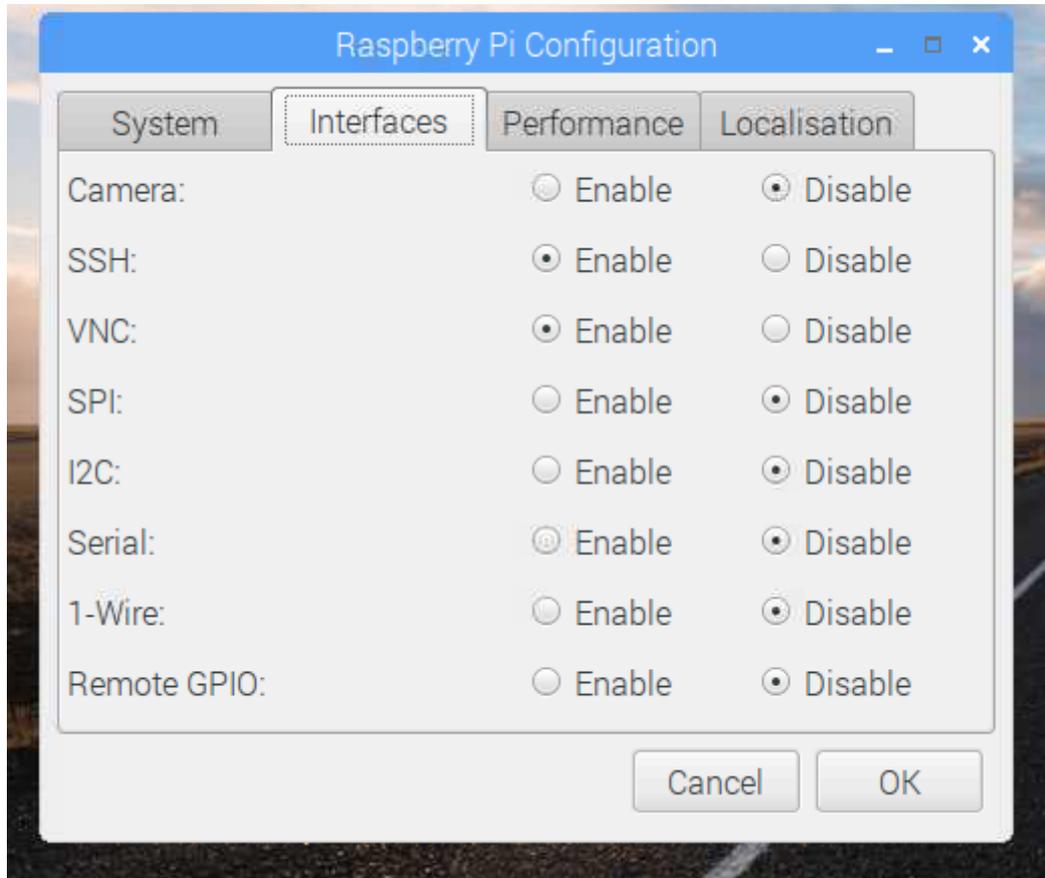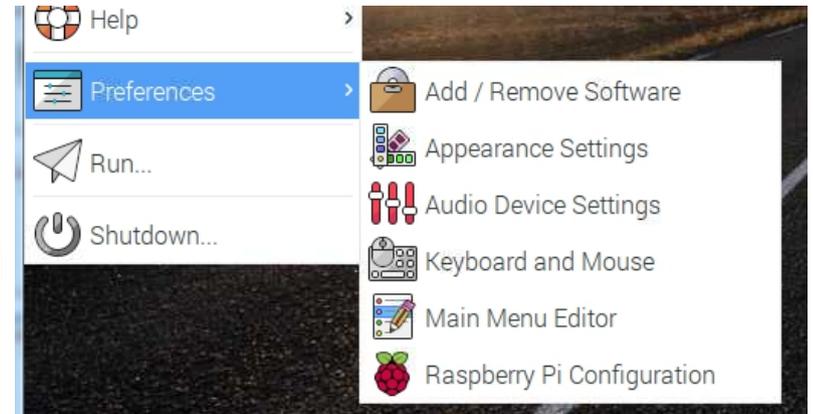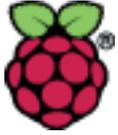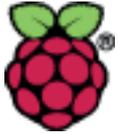# The Linux GUI

• Raspberry Pi Configuration

The Linux GUI

- Raspberry Pi Configuration

The Linux GUI


- Raspberry Pi Configuration

- VERY IMPORTANT
  - CHANGE THE SSH TO "OFF" UNTIL YOU HAVE TIME TO CHANGE THE PASSWORD. FAILURE TO DO THIS MAKES YOUR Pi VULNERABLE TO SOMEONE TAKING REMOTE CONTROL OF THE Pi.
  - Once a Pi is on a wi-fi network, someone can use the ip address and the default user name "pi" and the default password "raspberry" and use an ssh app or Mac command line to take control of your pi. It is relatively easy to search a network for attached devices. There is an iphone app "IP Scanner" which does this nicely, and has tools for interacting with the ips identified. Note: Scanning and hacking someone elses network without permission is illegal.
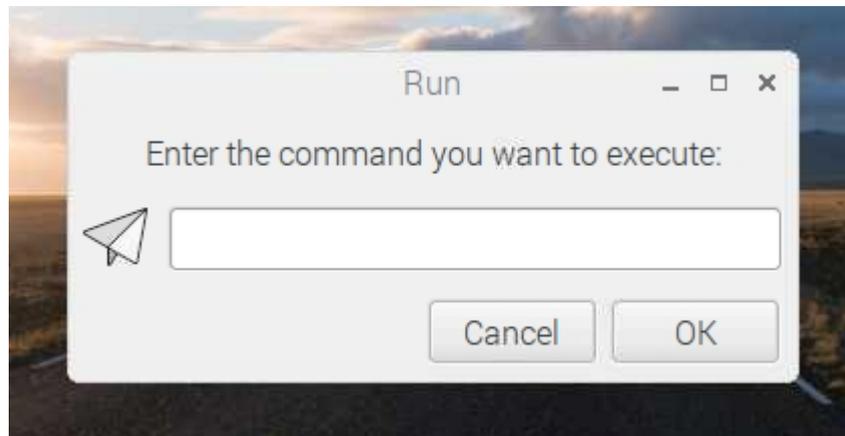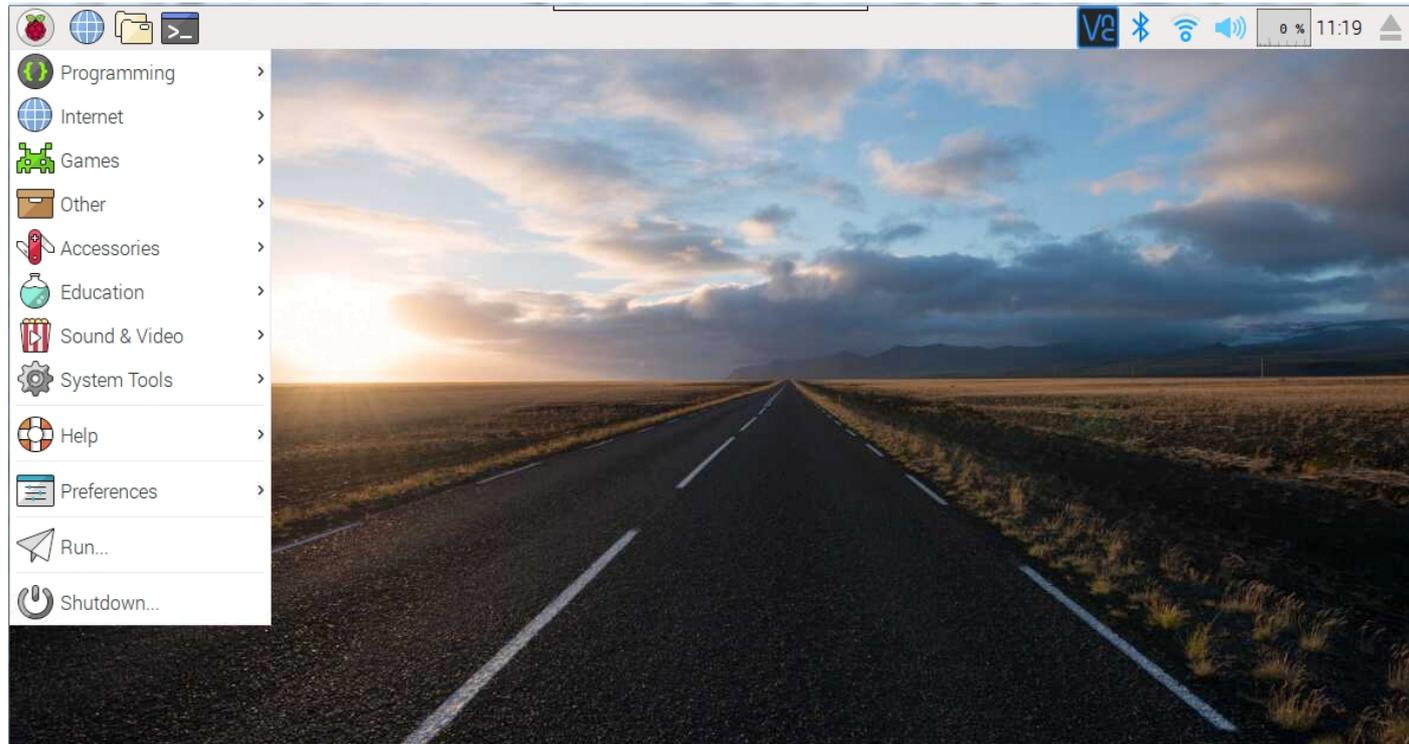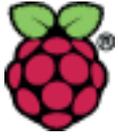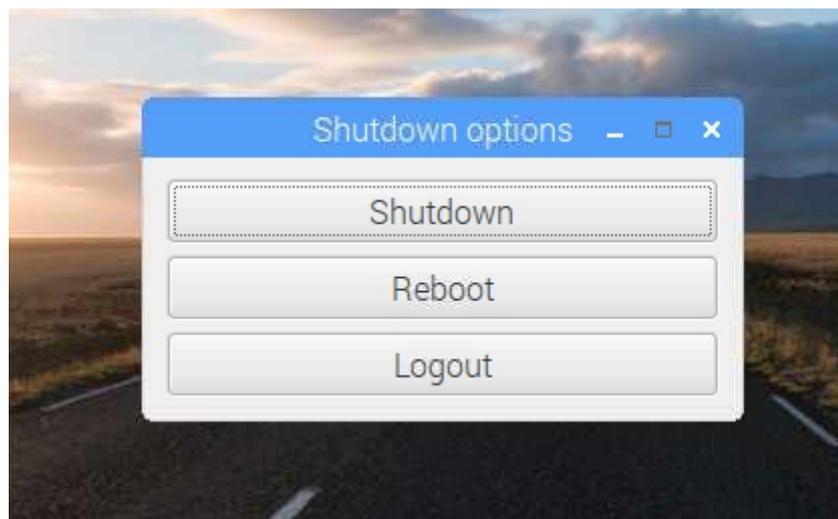
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The Linux GUI

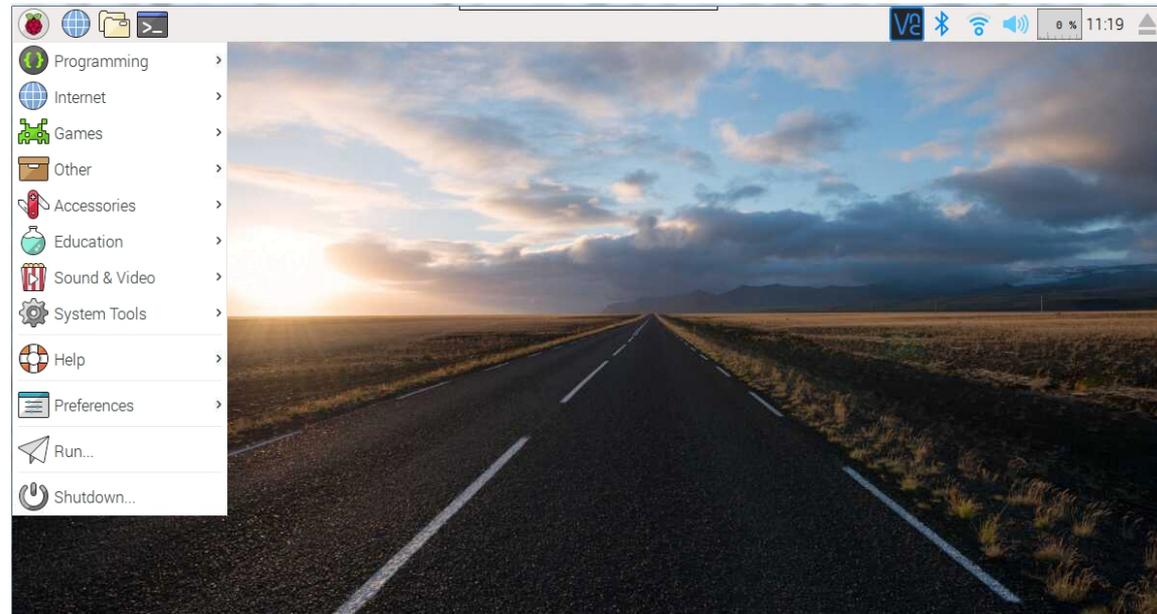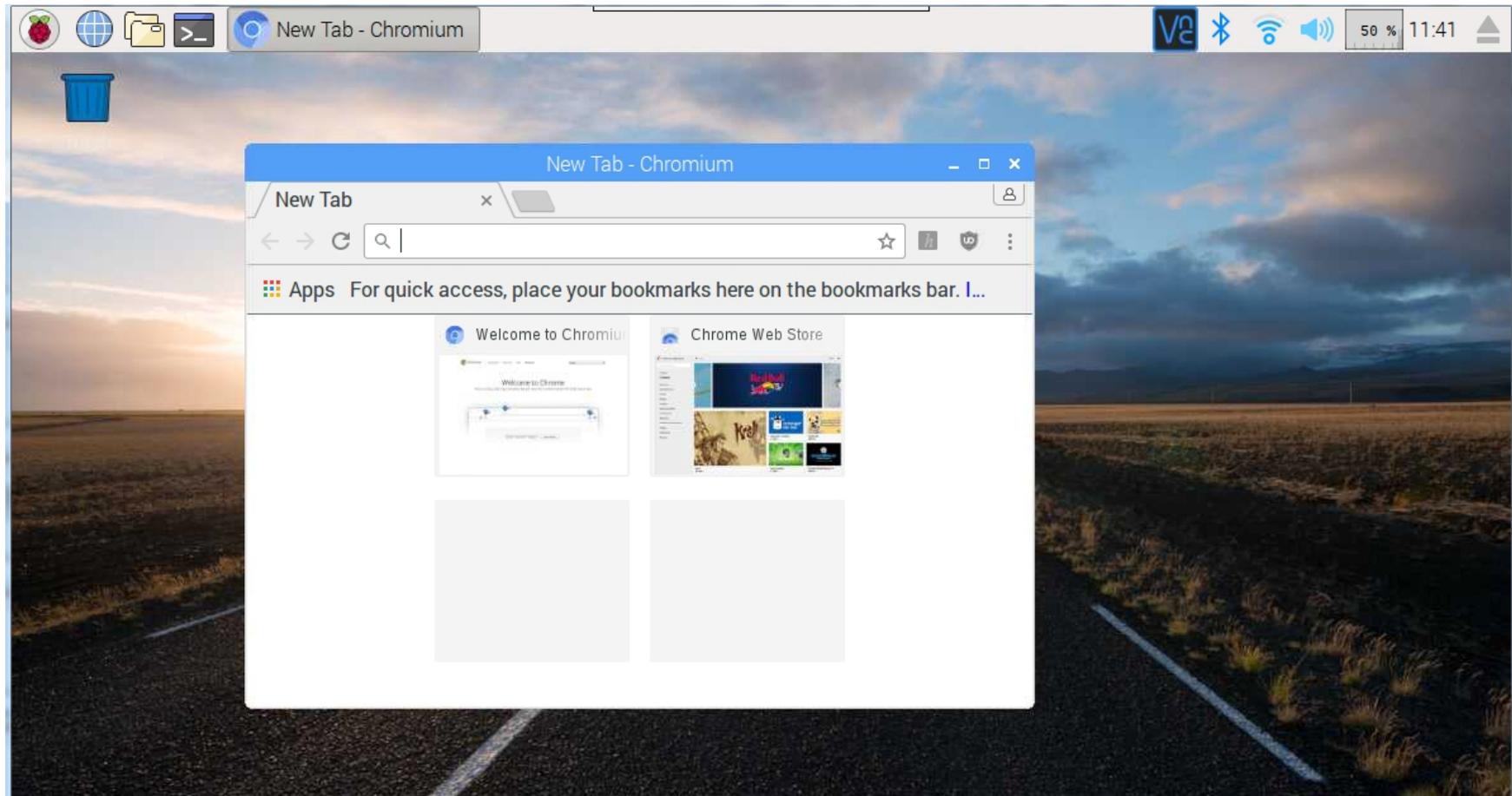- Raspberry Pi Configuration
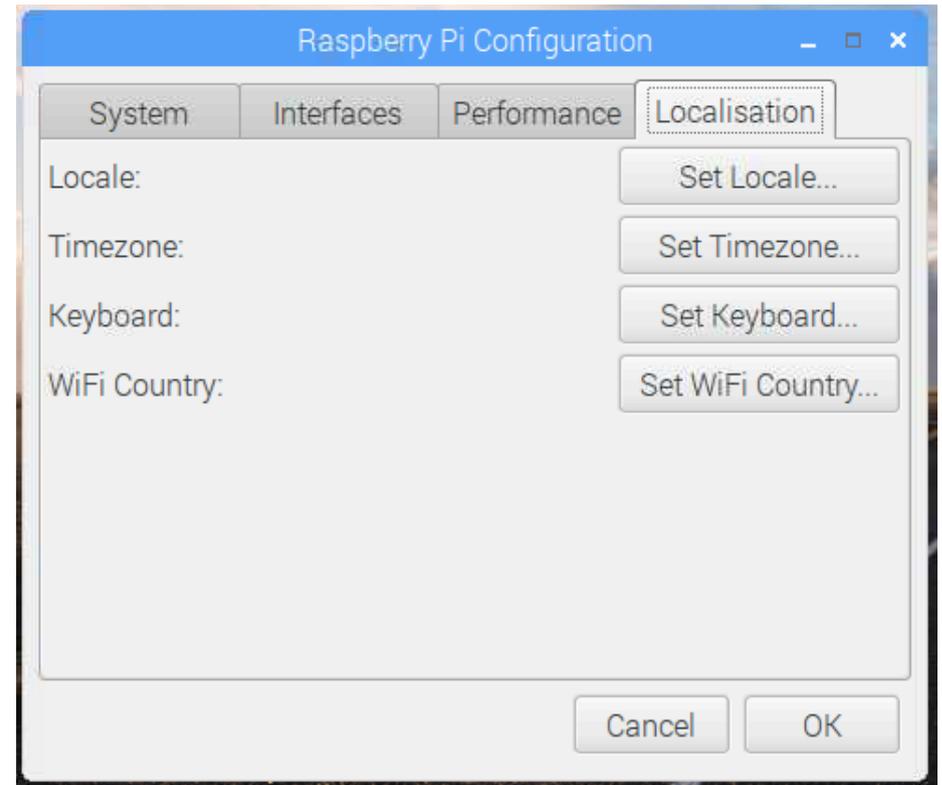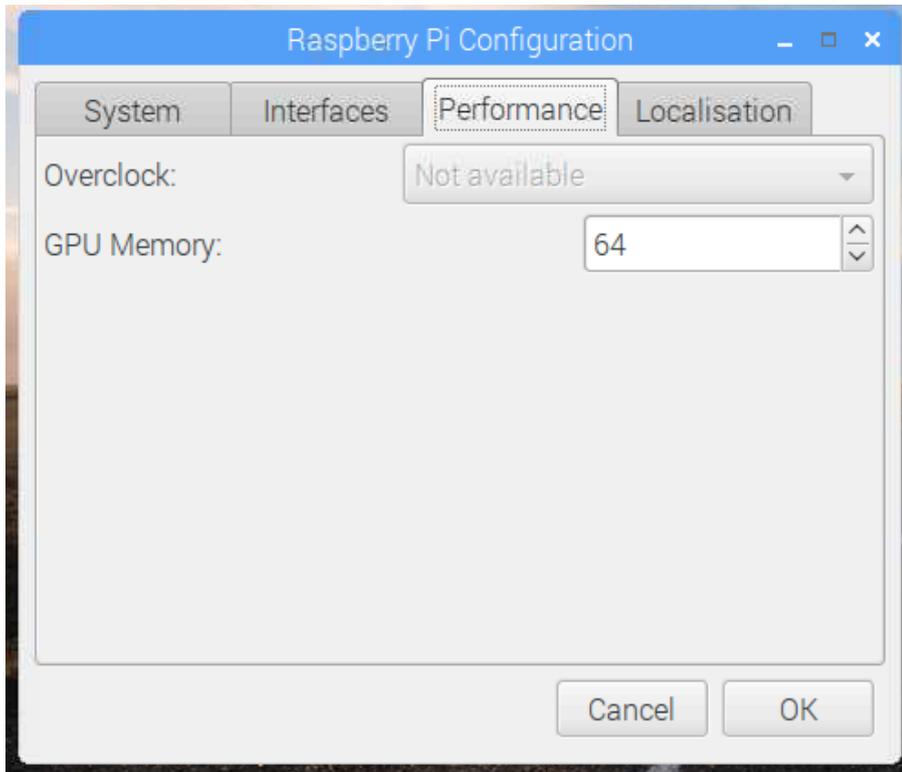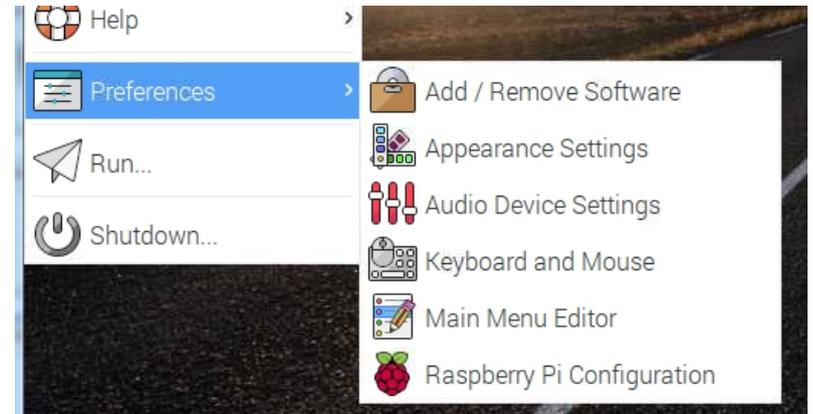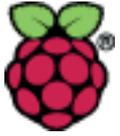
The Linux GUI
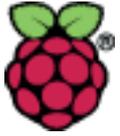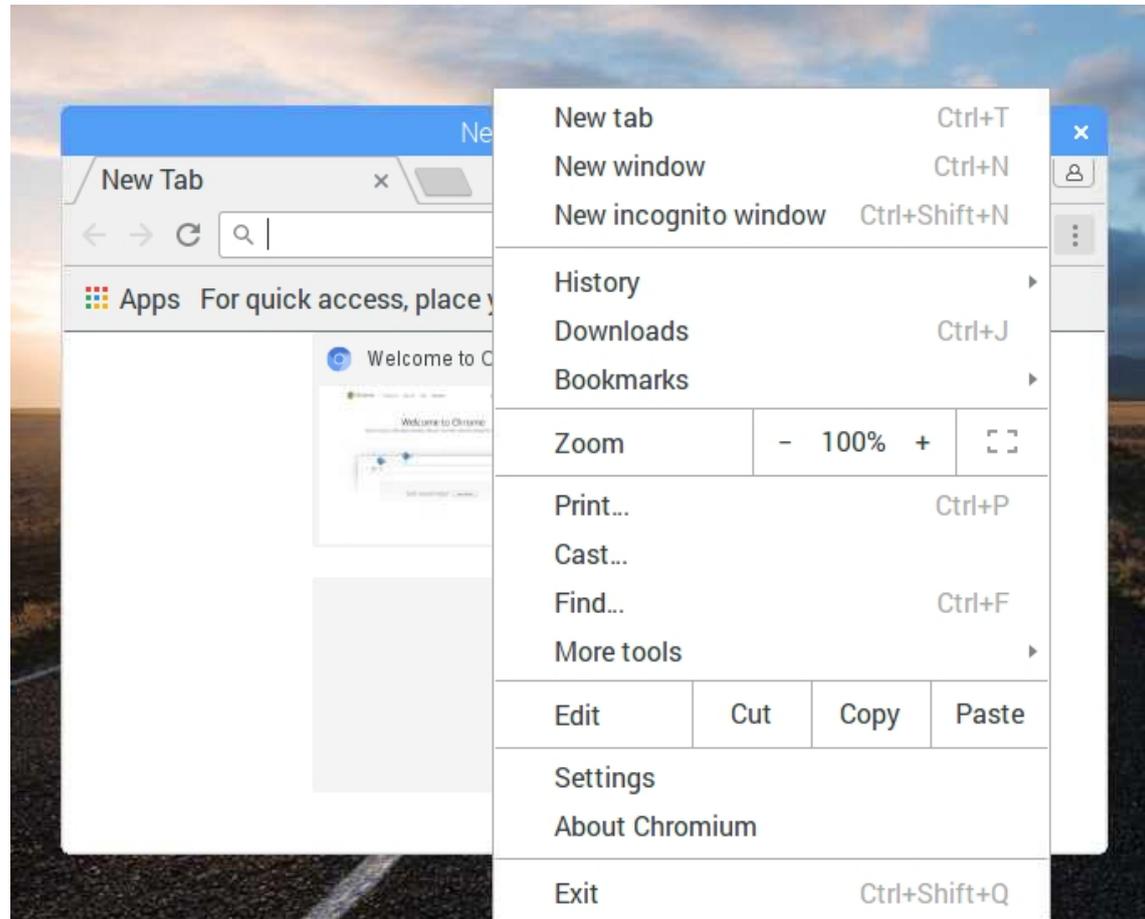
- Run

The Linux GUI

- Shutdown
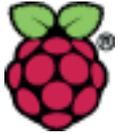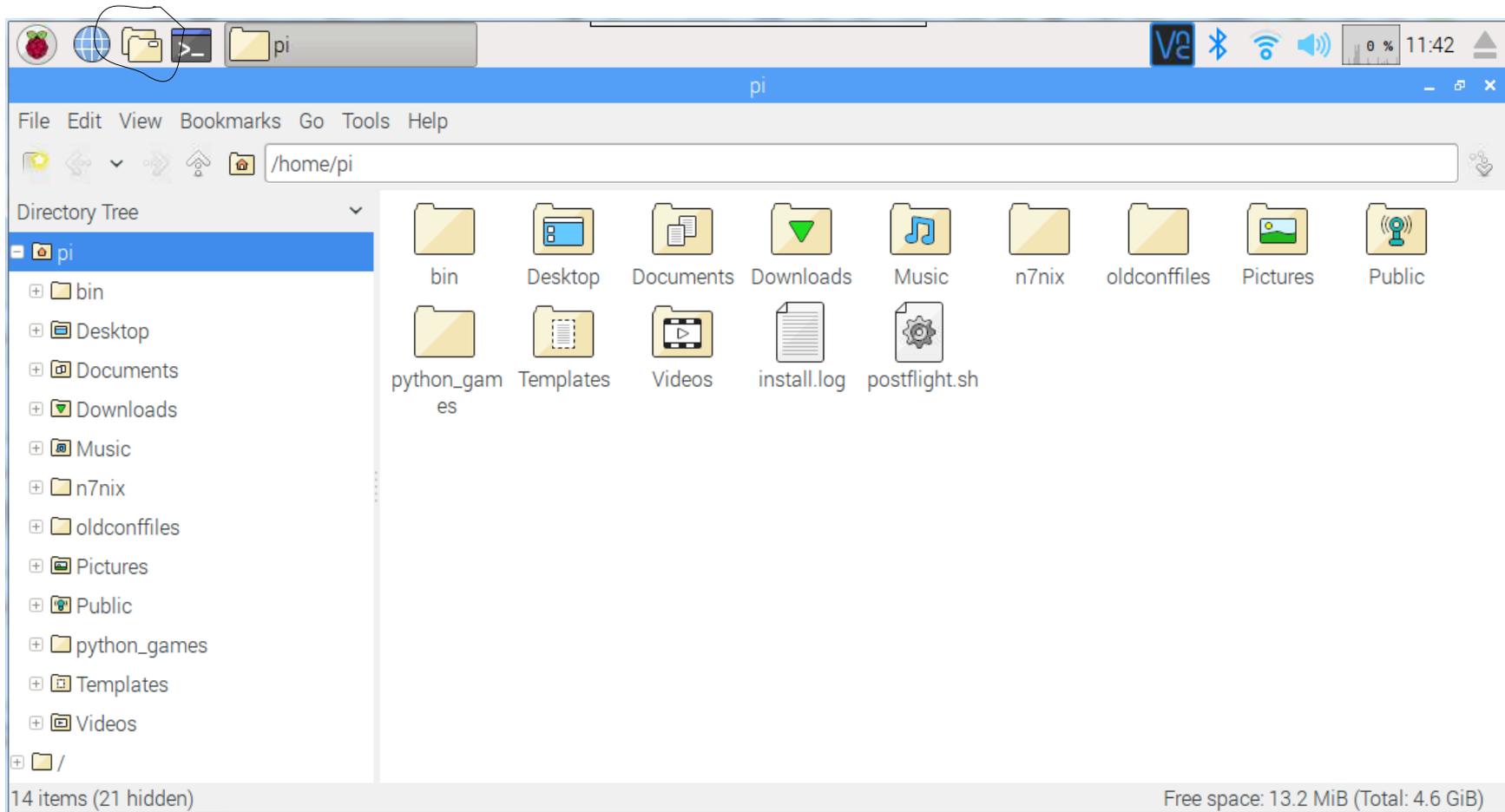
The Linux GUI

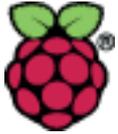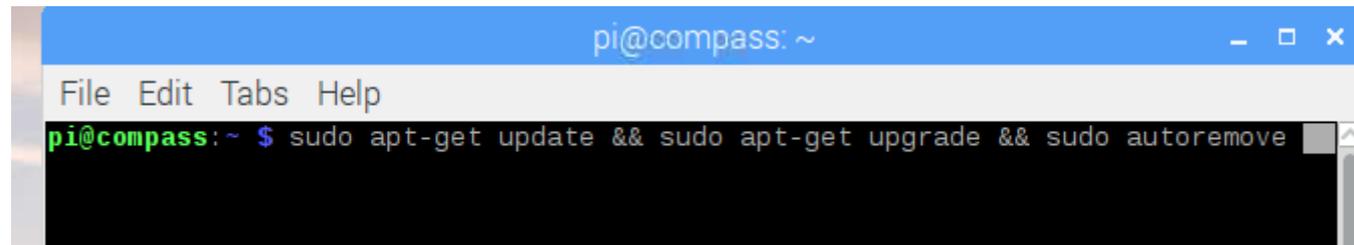- ## The Default Web Browser

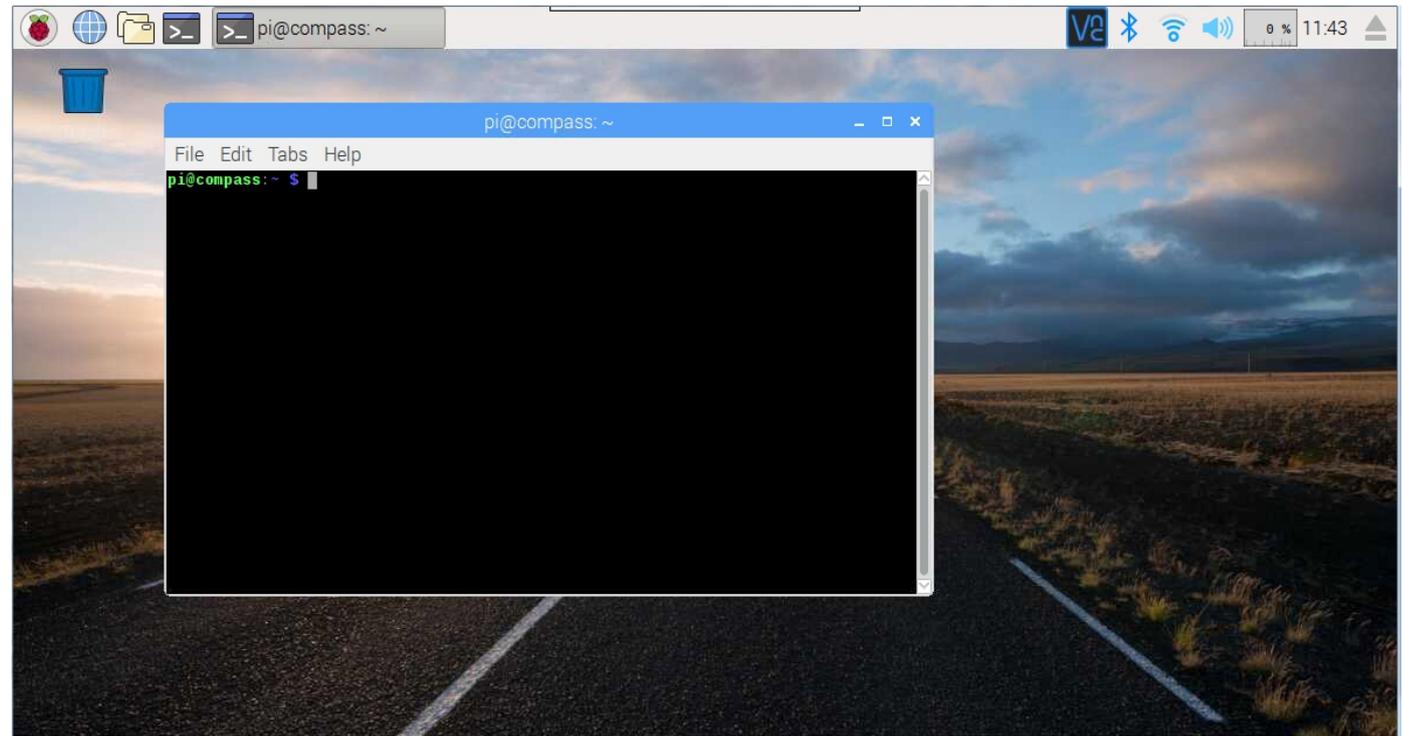# The Linux GUI

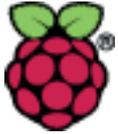- ## Browser Menus

The Linux GUI

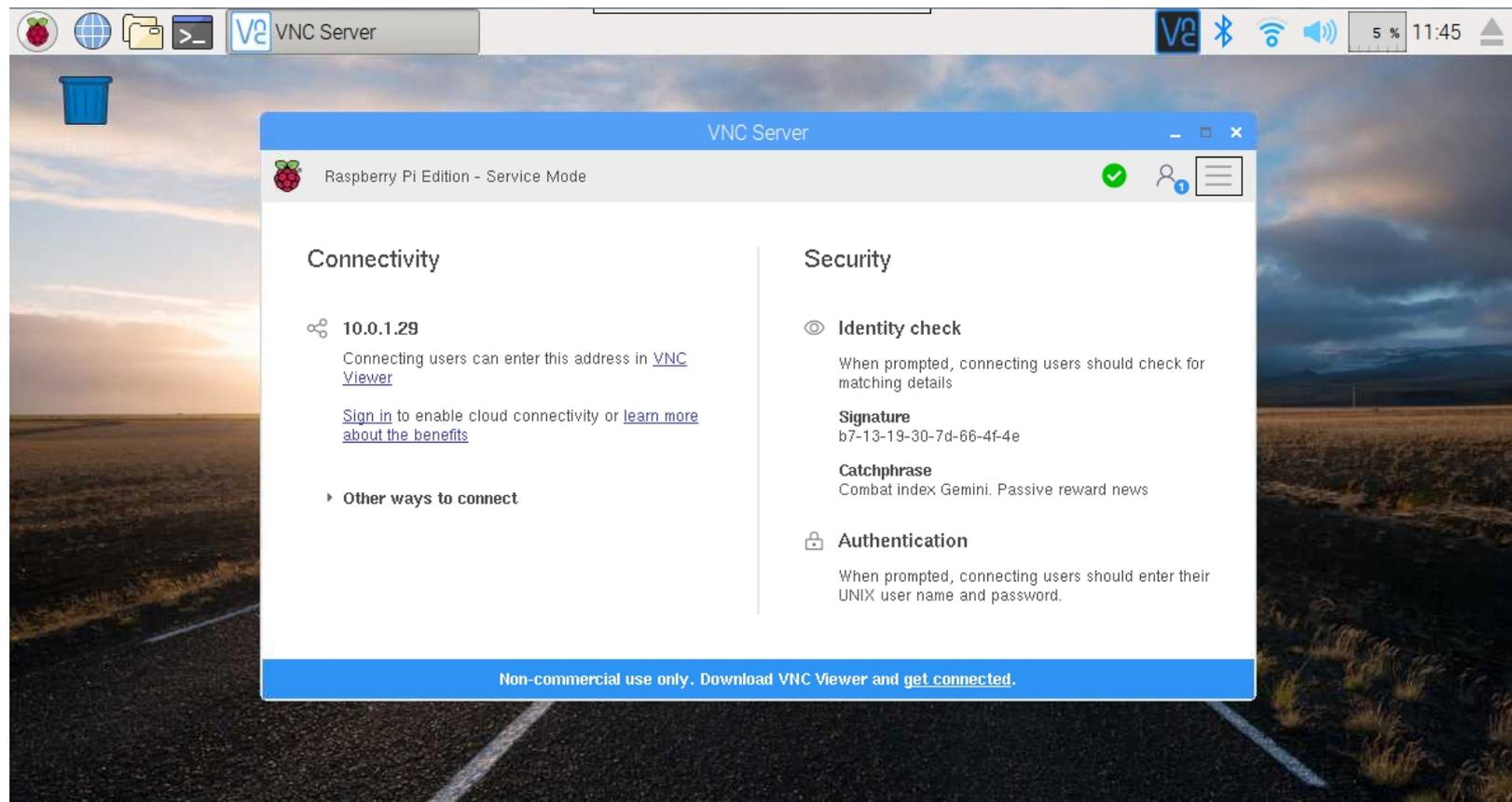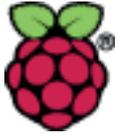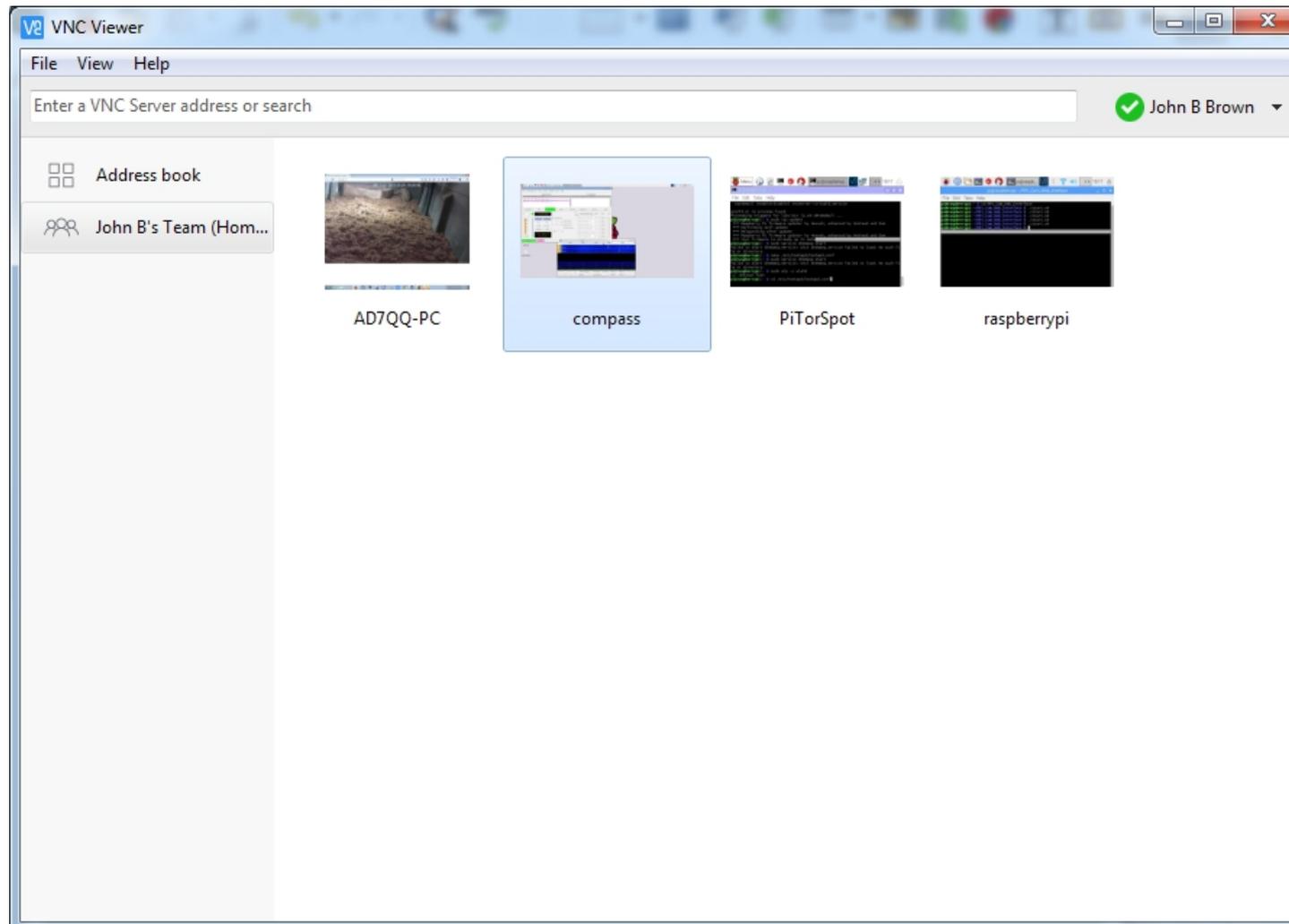- ## File Manager

The Linux GUI

- Terminal

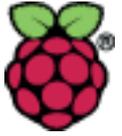# The Linux GUI

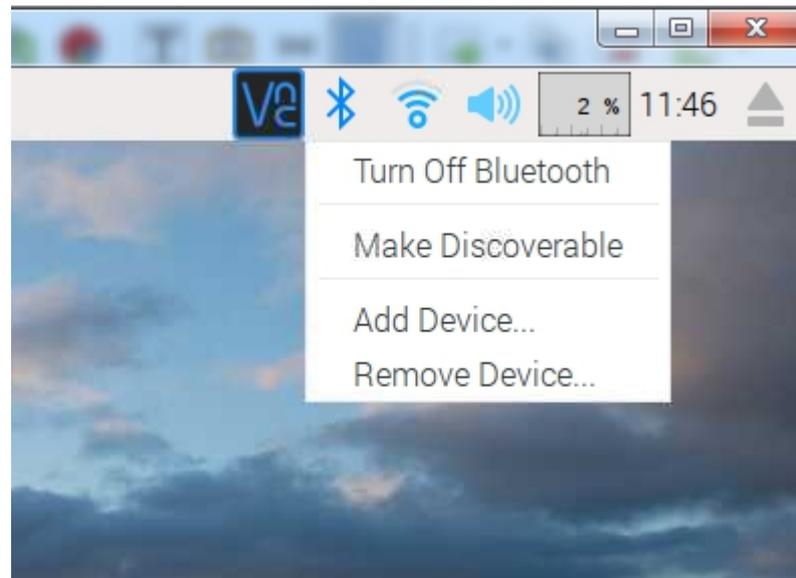- VNC (May have to be added to older RPi versions)

The Linux GUI

- ## VNC Example

- BlueTooth

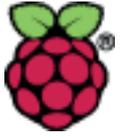# The Linux GUI

- ## Wi-Fi
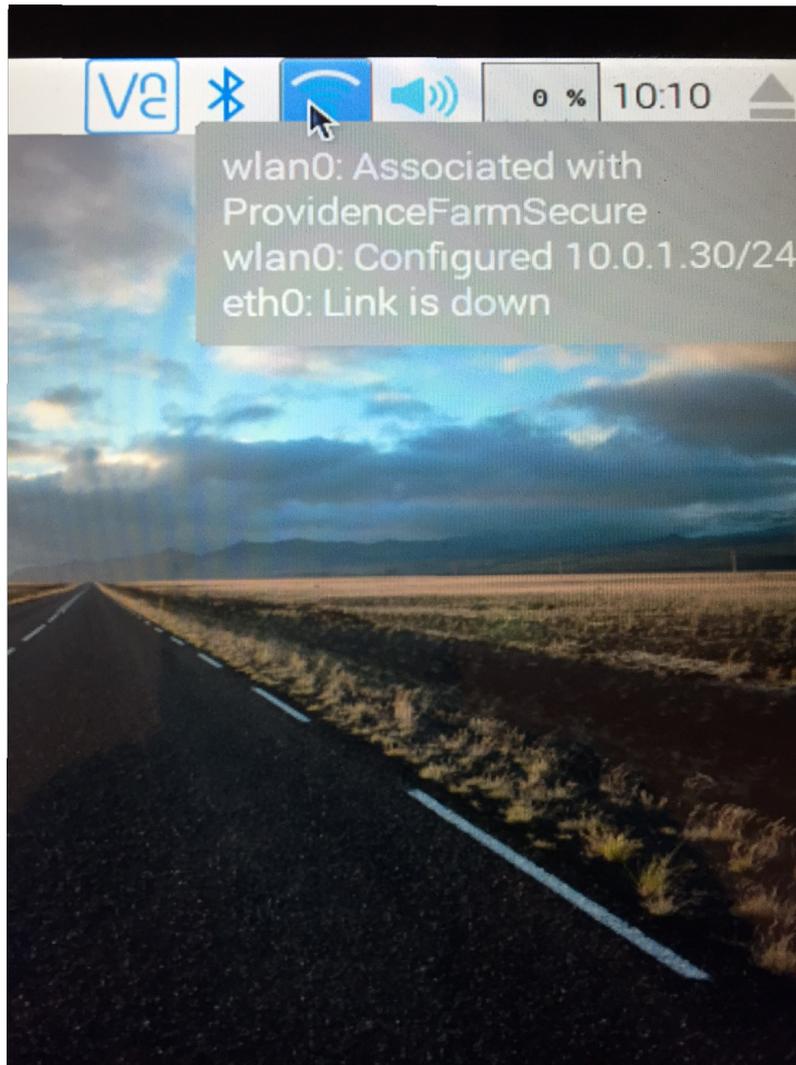
- Volume Control
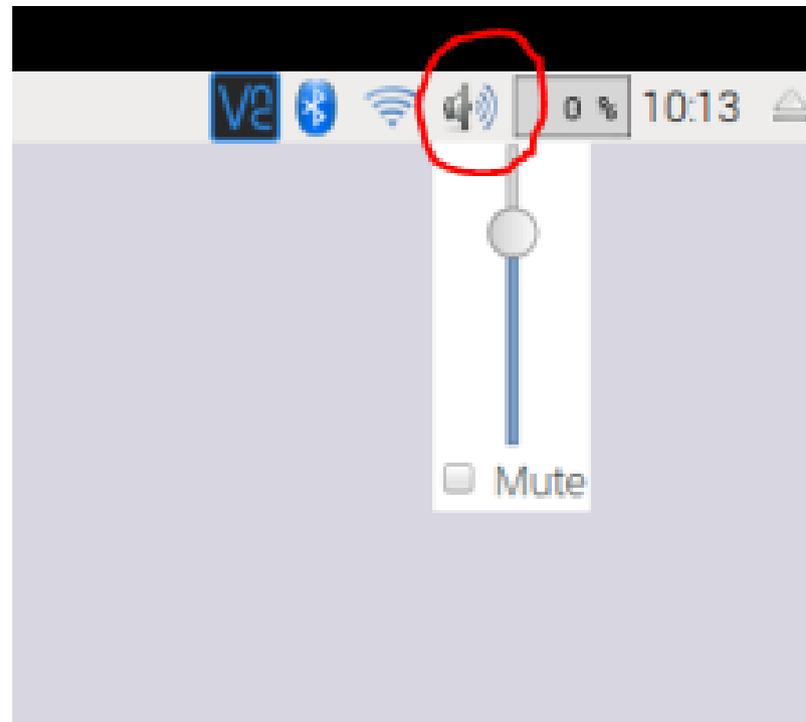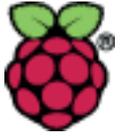
- CPU Usage
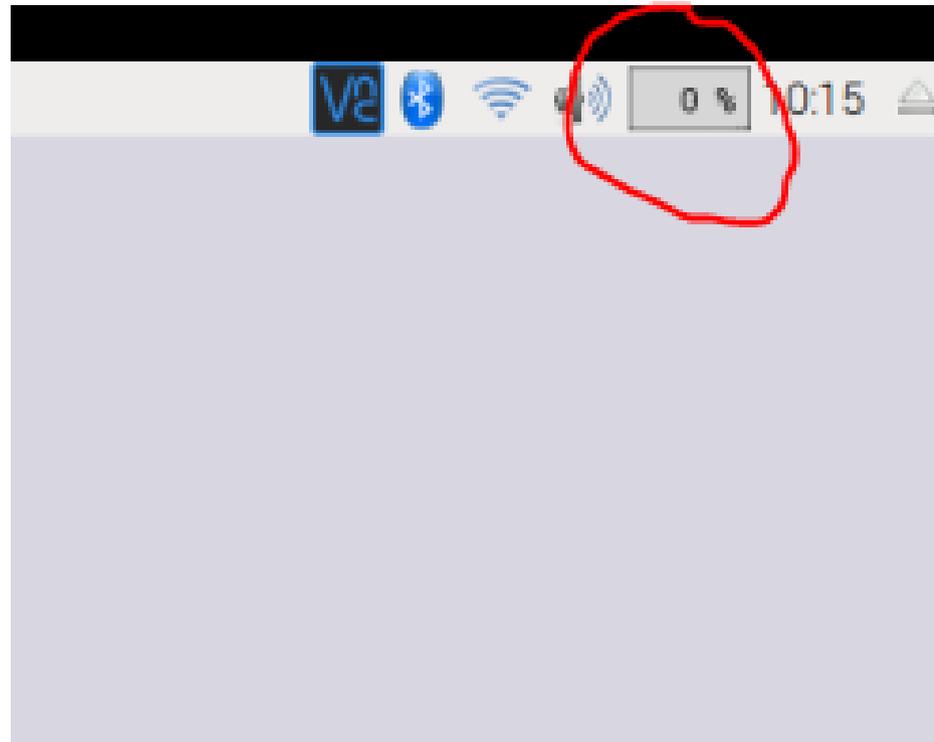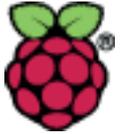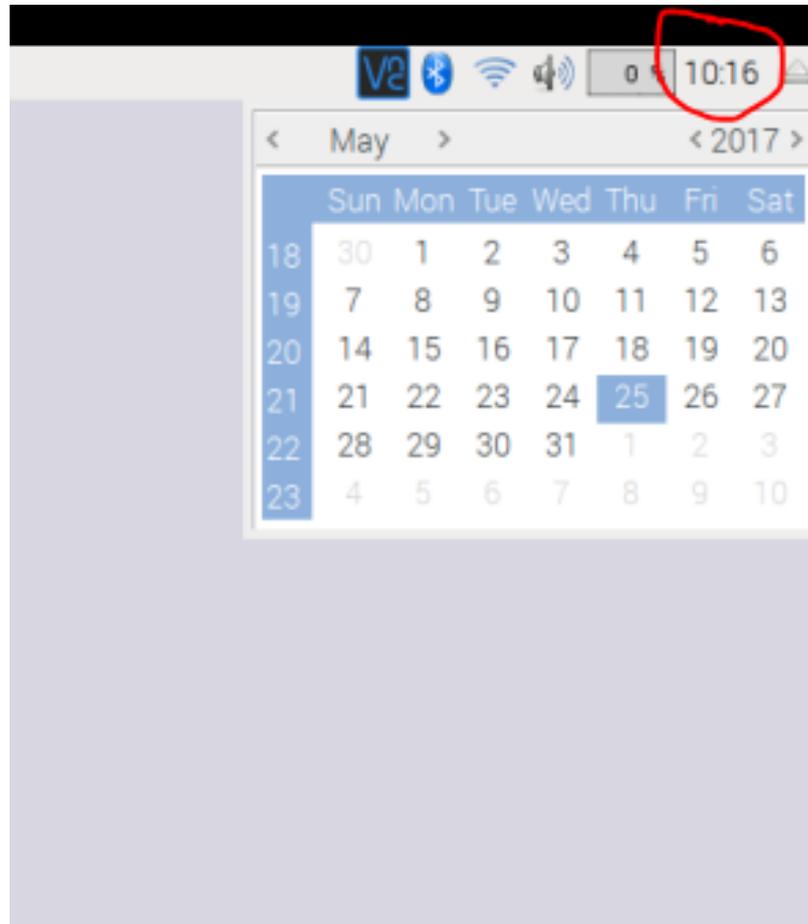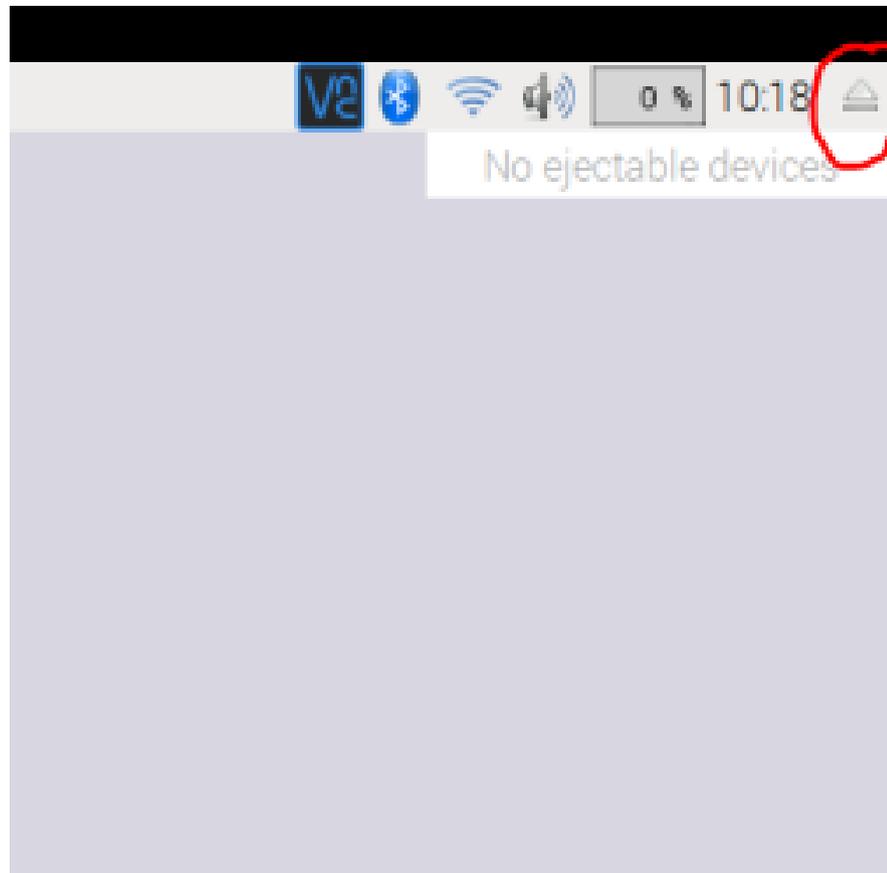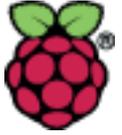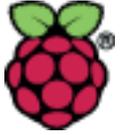
• Time and Date
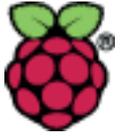
The Linux GUI

- Eject Device

- If you see this icon in the right upper corner, check your power supply!

The Linux GUI

- Questions?