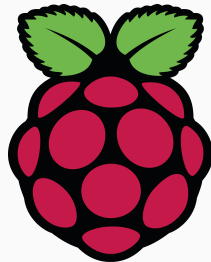


Prezentację przygotowali:

- Patryk Polczyk
- Weronika Smagór
- Aleksandra Motor



Plan prezentacji:

- Dystrybucja Linuxa oparta na Debianie
- Historia
- Raspberry Pie
- Cechy dystrybucji
- Podsumowanie

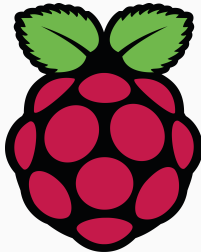
Dystrybucja Linuksa oparta na Debianie



- stabilny system o wysokiej jakości i łatwy do aktualizacji
- Licencja: Wolne i otwarte oprogramowanie
- przystosowany do pracy z minikomputerami Raspberry Pi
- zawiera oprogramowanie do nauki programowania (Python, Scratch, Sonic Pi, Java itp.)

Historia

- 2012/13 - stworzony przez Mike'a Thompsona i Petera Greena
- 2015 - promowany przez Raspberry Pi Foundation w celach edukacyjnych





Products

Blog

Downloads

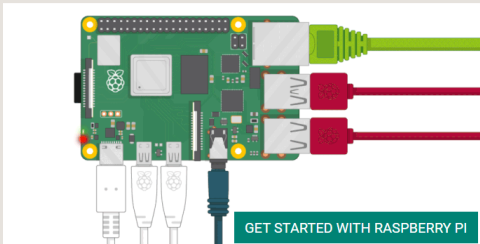
Community

Help

Forums

Education

Projects



Documentation



Documentation

Technical documentation for using the Raspberry Pi

Help guides...



Setting up your Pi



Using your Pi

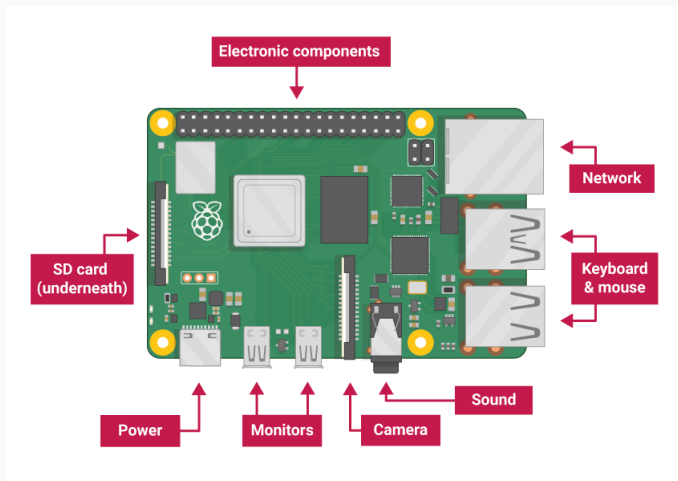


Add-ons Guide



Troubleshooting Guide

Raspberry Pi



GUI - Graphical User Interface

Menadżerem okien w starszych wersjach jest LXDE.
(Lightweight X11 Desktop Environment)

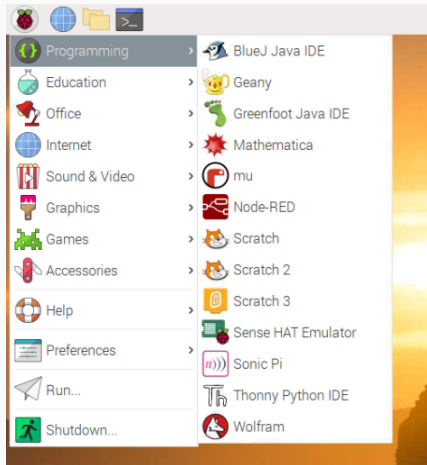
W nowych wersjach środowiskiem graficznym jest PIXEL.
(Pi Improved Xwindows Environment, Lightweight)



Raspbian - LXDE

The image displays the Raspbian LXDE desktop environment. A large Raspberry Pi logo is centered on the desktop. On the left side, there is a dock containing various application icons: Shutdown, Debian Reference, IDLE, WiFi Config, OCR Resources, IDLE 3, Scratch, Pi Store, Minecraft Pi, Wolfram, Sonic Pi, and LXTerminal. Below the dock is a menu with categories like Accessories, Education, Games, Graphics, Internet, Other, Programming, Sound & Video, System Tools, and Preferences. A file manager window titled 'pi' is open, showing a directory tree with folders like Desktop, python_games, and files like Desktop, python_games, ocr_pi.png. A terminal window titled 'pi@raspberrypi' is open in the top right, displaying a shell prompt and the command 'echo -e 0 0'. The bottom panel shows the taskbar with the 'pi' application icon and system status indicators for 09:17 and battery level.

Programowanie



Find a Project:

Any topic

Raspberry Pi

Any software

Any level



A Raspberry Pi laser tripwire

Build a laser tripwire with Python and a Raspberry Pi

Raspberry Pi, Electronic components, Python



Build a LAMP Web Server with WordPress

Set up a local server for a website on your Raspberry Pi

Raspberry Pi, HTML / CSS



Build a line-following robot

Make your robot buggy follow a track by itself

Raspberry Pi, Electronic components, Python



Build an OctaPi

Make a distributed computer system

Raspberry Pi, Python



Build a robot buggy

Build and control a robot buggy

Raspberry Pi, Electronic components, Python

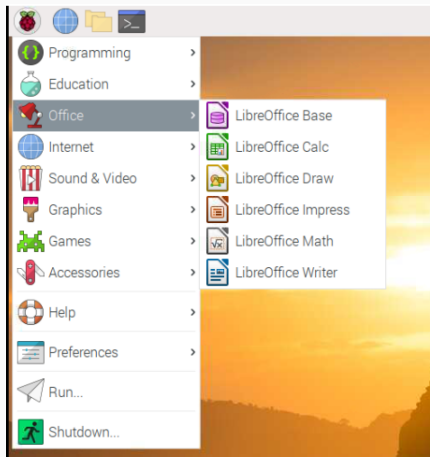


Build your own weather station

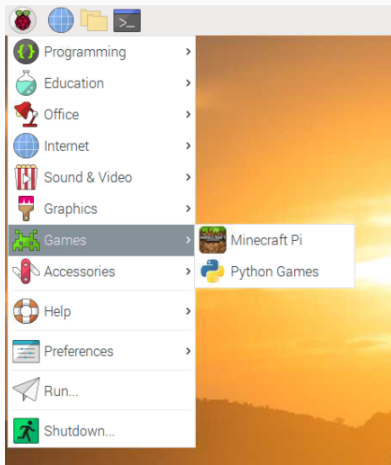
Create a weather station to collect meteorological data

Raspberry Pi, Electronic components, Python

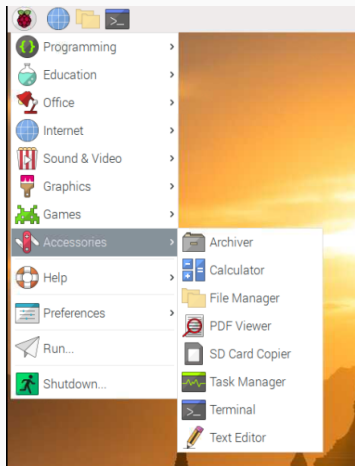
Pakiet LibreOffice



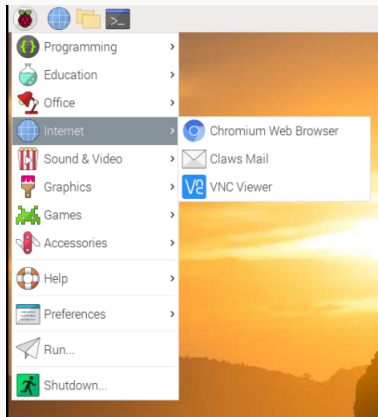
Gry



Akcesoria systemu

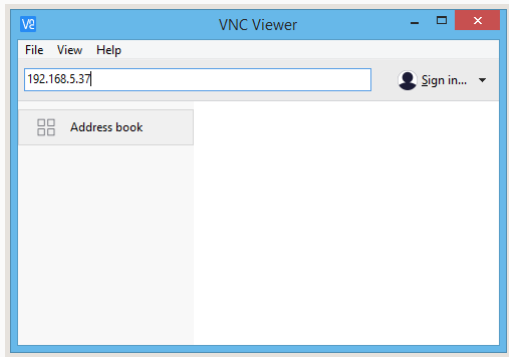


RealVNC



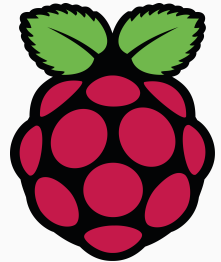
RealVNC

Zdalny dostęp do pulpitu innego komputera, oparty na licencji Open Source (GPL).



Raspbian - cechy dystrybucji

- Bardzo intuicyjna obsługa
- Bogata biblioteka wbudowanych programów
- Manager pakietów APT
- Energooszczędne środowisko graficzne (PIXEL)
- Jest objęty otwartym licencjonowaniem GNU
- Bazuje na systemie operacyjnym Debian



Dziękujemy za uwagę!

Źródła:

- <https://pl.wikipedia.org/wiki/Raspbian>
- <https://www.raspbian.org/RaspbianTeam>
- https://pl.wikipedia.org/wiki/Raspberry_Pi
- <https://projects.raspberrypi.org/en/projects>
- <https://www.raspberrypi.org/documentation/raspbian/>
- <https://learn.adafruit.com/>
- <https://magpi.raspberrypi.org/articles/introducing-pixel>
- <https://www.realvnc.com/en/>