

ARM yourself with an ecosystem of Linux apps

LAS 2021

CANONICAL + ubuntu 

Rhys Davies

- Developer Advocate
- Product Manager
- Open Source
- Books



Once upon a time ...

Stonker





how to develop an app



<https://www.entrepreneur.com> > article

A Step-by-Step Guide to Building Your First Mobile App

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<https://codewithchris> > [how-to-make-phone-apps-...](#)

How To Make An App - (2021) Create An App in 10 Steps

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<https://someothermobileappthing>



how to develop a desktop application



<https://docs.microsoft.com > Windows > Apps>

Build desktop apps for Windows PCs - Windows applications ...

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<https://docs.microsoft.com > ... > Windows>

Walkthrough: Create a traditional Windows Desktop ...

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<https://makealinux.app>



Apple made a BIG mistake - M1 MacBooks Review

2.2M views • 4 months ago



Linus Tech Tips ✓

Apple's new M1-equipped MacBooks have been out for a while now, but there are still many lingering questions.. First among ...

4K CC



Apple M1 Mac Review: Time to Recalibrate!

7M views • 5 months ago



Marques Brownlee ✓

The Macbook with M1 chip is... different. Time to think a little different about laptops. That shirt: <http://shop.MKBHD.com> Tech I'm ...

4K



what's up with arm?



<https://www.nhs.uk > conditions > elbow-and-arm-pain>

Elbow and arm pain - NHS

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<https://www.nhs.uk ...>

Arm diagnosis things you don't want to know about ...

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apps on arm silicon



<https://www.theverge.com> > 2020/11/10 > apple-arm-m...

All the apps and games Apple promises for Arm-based Macs

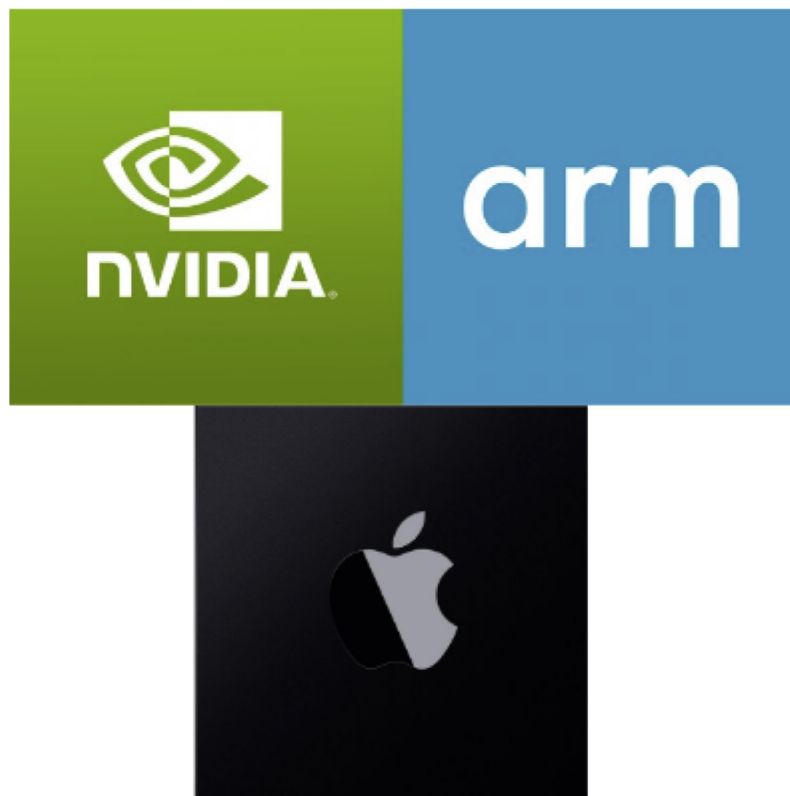
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<https://developer.apple.com> > documentation > porting-...

Porting Your macOS Apps to Apple Silicon | Apple Developer ...

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<https://www.macword.co.uk> > Features > Mac Features



arm Developer

[Home](#) | Develop Software

Develop Software

Develop on [Linux](#): Basics

Getting started with Docker

Learn how you can use Docker to simplify multi-architecture application deployment on both embedded devices and servers.

[View the guide](#)

Debugging your Software

Learn how to troubleshoot your code.

[Learn more](#)

Develop on Linux: Optimization

arm Community

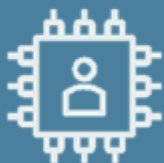
Groups

Blog

Forums

Support

Community Help



Developer Community



Jump...



linux on arm



<https://www.reddit.com> > linux > comments > is_runnin...

Is running Linux on ARM processor any different? : Linux

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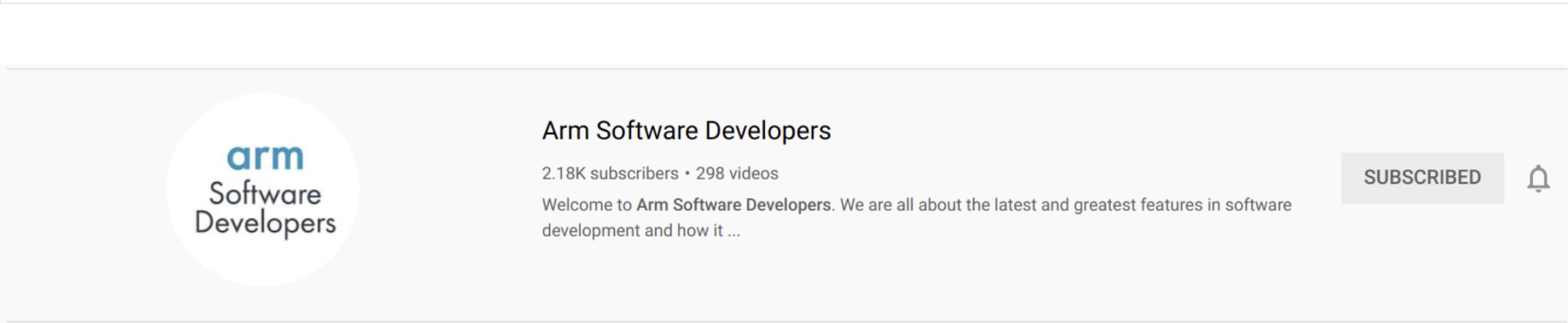
<https://ubuntu.com> > download > server > arm

Ubuntu for ARM | Download | Ubuntu

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<https://somethingaboutraspberrypies?>

Yes.



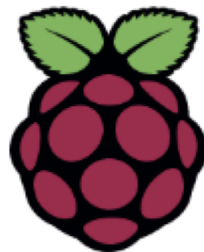
Yes.

Install Ubuntu on a Raspberry Pi

Running Ubuntu on your Raspberry Pi is easy. Just pick the OS image you want, flash it onto a microSD card, load it onto your Pi and away you go.

First time installing Ubuntu on Raspberry Pi?

Follow our [desktop](#) or [server](#) tutorials.





“Hey, software packaging and distribution on Linux is a bit of a mess. Don’t worry though, options can be good, and they’re all good for different reasons. Just remember, how you package the app doesn’t *really* matter. It’s the app that matters, and thanks for writing it for Linux. So, what are your goals? What’s your use case? And we’ll see what packaging is right for you.”

Docs

Getting started with Flutter on Ubuntu



Alan Pope

on 8 February 2021

Tags: [Flutter](#), [snap:sc:flutter](#), [Ubuntu](#)

DESKTOP



How to make your first snap

by *Rhys Davies* on 8 April 2021

Article

YAML

```
1  name: snapcraft
2  base: core18
3  summary: easily create snaps
4  description: |
5      Snapcraft aims to make upstream developers' lives easier and as such is not
6      a single toolset, but instead is a collection of tools that enable the
7      natural workflow of an upstream to be extended with a simple release step
8      into Snappy.
9  adopt-info: snapcraft
10 confinement: classic
11 license: GPL-3.0
12 assumes:
13     - snapd2.39
14
15 apps:
16     snapcraft:
17         environment:
18             PATH: "/snap/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin"
19             # https://github.com/lxc/pylxd/pull/361
20             PYLXD_WARNINGS: "none"
21         command: usr/bin/python3 $SNAP/bin/snapcraft
22         completer: snapcraft-completion
23
24 build-packages:
25     - build-essential
26     - intltool
27     - libapt-pkg-dev
```

\$ snapcraft remote-build

viu-image-viewer_v1.3.0-10-g0dba818_amd64.snap

viu-image-viewer_v1.3.0-10-g0dba818_arm64.snap

viu-image-viewer_v1.3.0-10-g0dba818_armhf.snap

viu-image-viewer_v1.3.0-12-g4160c8b_s390x.snap

viu-image-viewer_v1.3.0-12-g4160c8b_ppc64el.snap





The app store for Linux

Some snaps you may like

[View all Featured snaps ›](#)



Wolfenstein | Blade of Agony
Neil McPhail

Wolfenstein | Blade of Agony



Trianglify Wallpaper
Victorio Berra

Generate pleasing triangular
wallpapers, and set them to...

Stonker

Stocks and things

Featured

Development

Games

Server

[Browse all snaps](#)

Summary

01

Visibility

Work on targeting new users with relatable titles and google juice

02

Packages are baggage

Sigh

03

ARM yourself

Lets get ahead of the game



For any other questions, reach out to:



rhys.davies@canonical.com



@rhys_the_davies

“Questions?”

-- Audience (You)

Thank you!