Don't buy a new computer.
Use Linux and save your money.
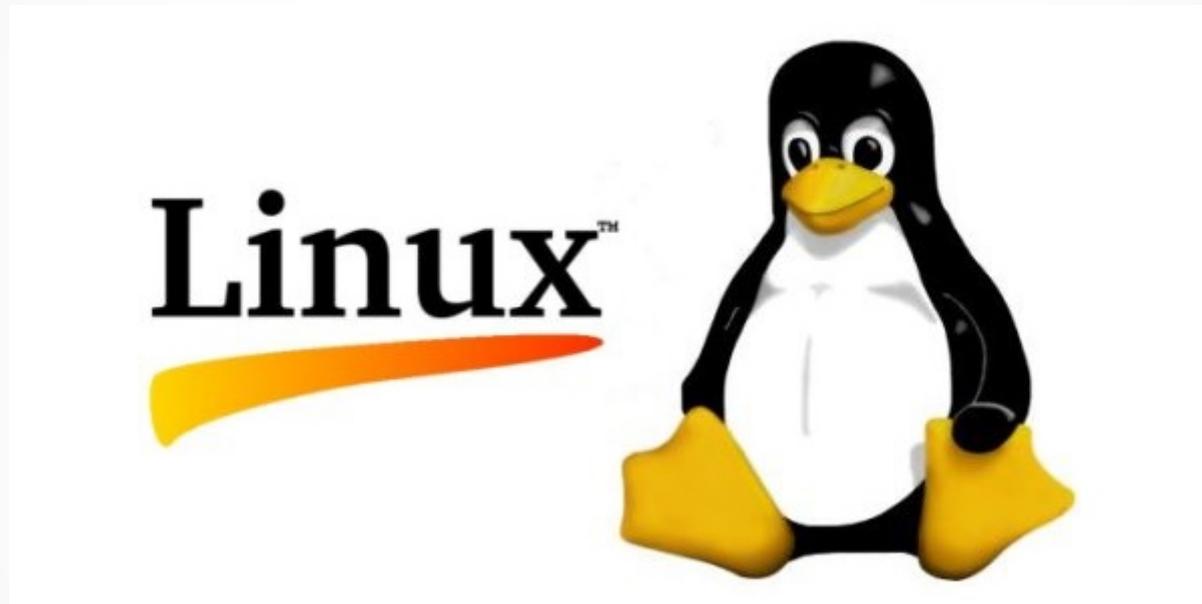
by Gary F. Alderson,CCBW Aldersoft
for Creative Retirement Manitoba
October 25, 2017

Presenter Bio

- **Gary F. Alderson**

- **Bachelor of Science (Computer Science), University of Manitoba**

- **CDP, Institute for the Certification of Computer Professionals (ICCP)**

- **Owner, Founder and CCBW of Aldersoft**

- **40+ years experience in Information Technology**

- **35 years at the University of Manitoba**

- **Chief Technical Architect of University of Manitoba System Renewal**

- **Manager, Integration Support, IST, University of Manitoba**

- **Retired: September 2010**

- **Email: Gary.Alderson@Aldersoft.CA**

- **Facebook: http://Facebook.com/aldersoft.ca**

- **Website: http://Aldersoft.CA**

Audience Survey

- **How many computers do you have (include dust collectors) ?**

- **What does your primary computer run ?**

  - **Windows XP, Vista, 7, 8 or 8.1 ?**

  - **Windows 10: Anniversary, Creators' Update ?**

  - **Mac OSX: Mountain Lion, Mavericks, Yosemite ?**

  - **Mac OSX: El Capitan, Sierra, High Sierra ?**

  - **IOS iPod/iPad/iPhone: 6, 7, 8, 9, 10, 11 ?**

  - **Android Tablet/Phone: Lollipop, Marshmallow, Nougat, Oreo ?**

  - **Linux: Ubuntu, Mint, ElementaryOS, other ?**

  - **Other ?**

- **Are you happy with what your are using ?**

- **Why do you want to buy a new computer ?**

Mac OSX Supported Versions

Which Mac operating systems are compatible? (Source: Support.Apple.com)

- The version of macOS that came with your Mac is the earliest version compatible with that Mac. To find out whether your Mac is compatible with a later version, check the system requirements:

- macOS Sierra 10.12

- OS X El Capitan 10.11 or OS X Yosemite 10.10

- OS X Mavericks 10.9

- OS X Mountain Lion 10.8

- OS X Lion 10.7 or OS X Snow Leopard 10.6

- If your Mac won't start up from a compatible version of macOS, it might require a specific build of that version. In that case, install a later version of macOS on the startup disk or buy a new mac.

Mac OSX Versions by Date
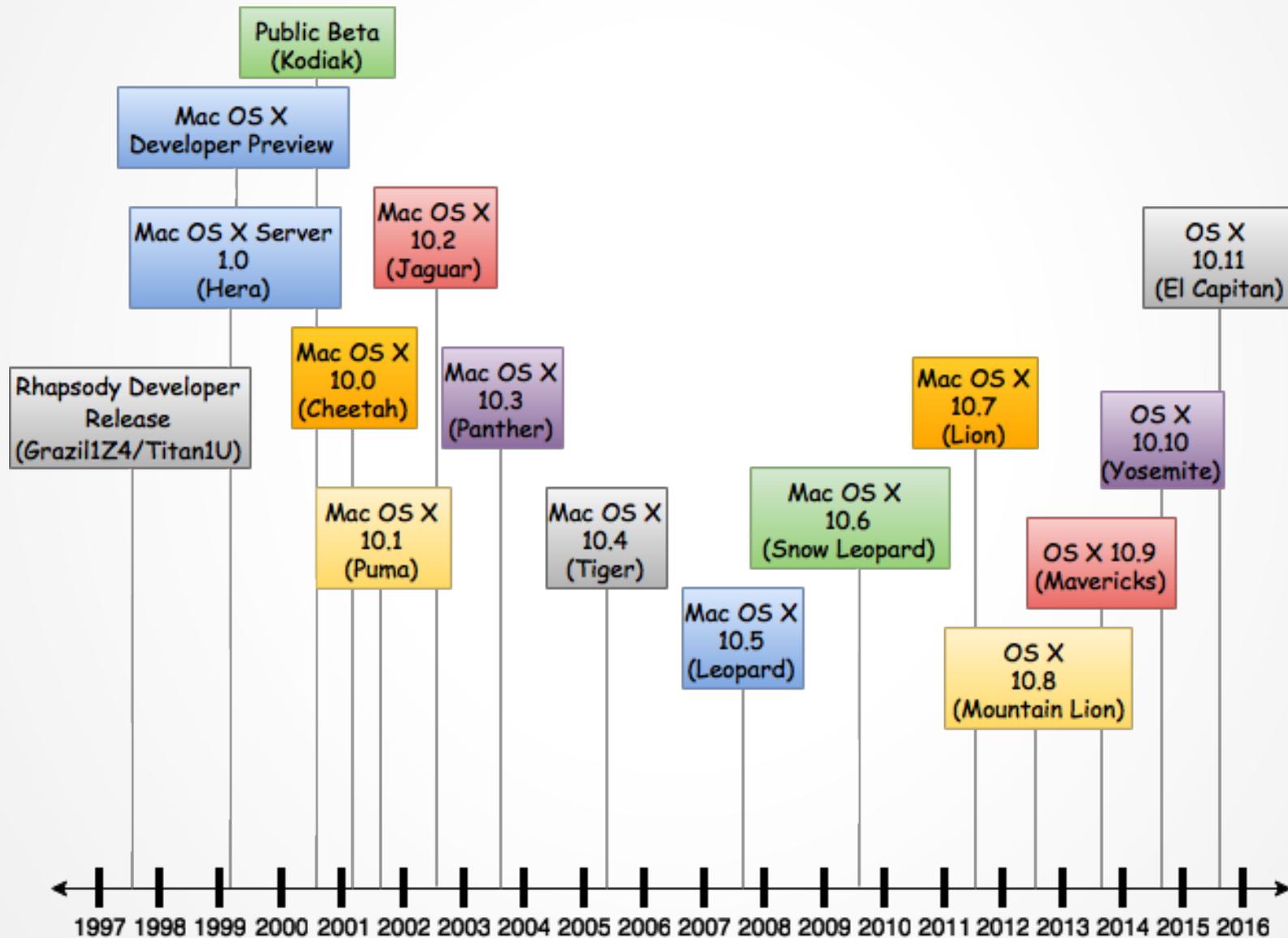
Windows Support Matrix

| Windows OS	Latest Update	End of Mainstream Support	End of Extrended Support ???
Windows Vista	Service Pack 2	April 10, 2012	April 11, 2017
Windows 7	Service Pack 1	January 13, 2015	January 14, 2020
Windows 8	Windows 8.1	January 9, 2018	January 10. 2023
Windows 10	Version 1710 Enhancement 1511 Anniversary Ed 1607 Creators Spring 1703 Creators Fall 1710	October 13, 2020 (October 10, 2017) (March 2018) (October 2019 ?) (March 2020 ?)	October 14, 2025

Ubuntu Linux Support Matrix

- Standard Ubuntu releases are supported for 9 months and Ubuntu LTS (long-term support) releases are supported for five years on both the desktop and the server. During that time, there will be security fixes and other critical updates. The Ubuntu support life-cycle is as follows:
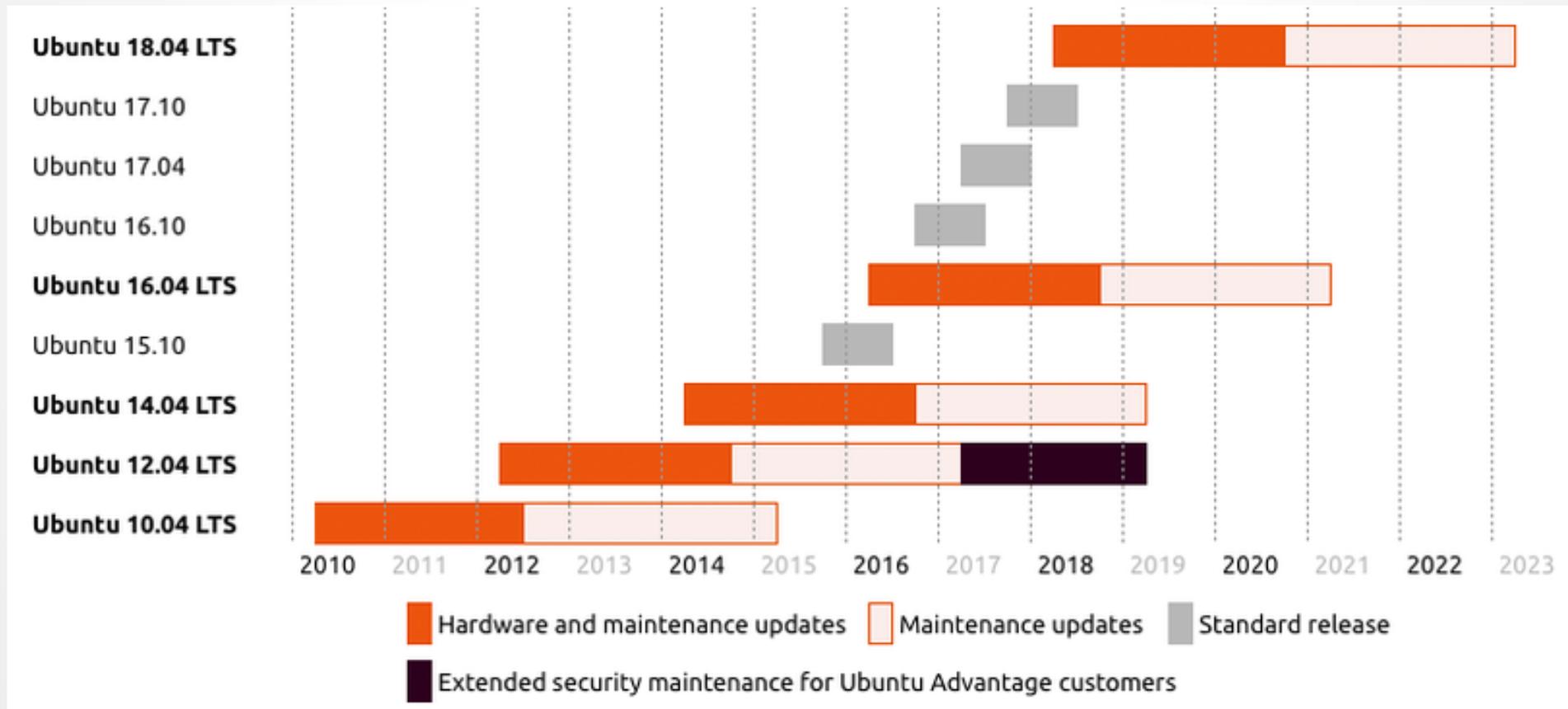
The Open Source Movement
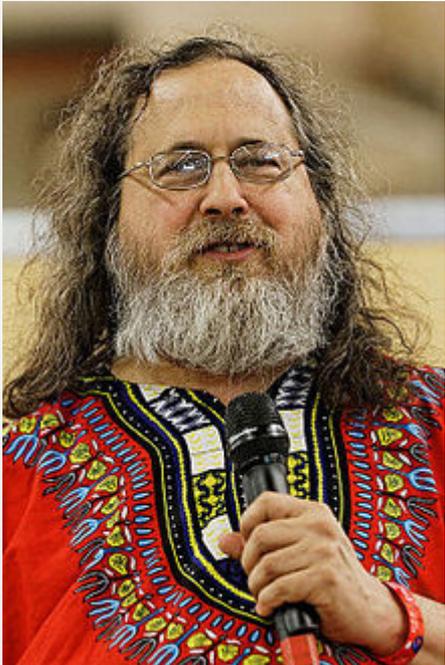
- The Free Software Foundation – Founded by Richard Stallman in October 1985.

- Its aim was to provide a licencing model where software could be distributed, copied and modified freely, thus giving control to its users and thus ensuring their rights and freedom.

- Today most Open Source is licenced under the GNU and Apache Open Source licence models.

- So how can someone make any money using this model and why would people do this ?

- Most commercial software vendors who use the Open Source model make their revenues through product support and some by selling their upscale versions under a commercial licence.

# Who supports Open Source

Linux: The Open Source OS
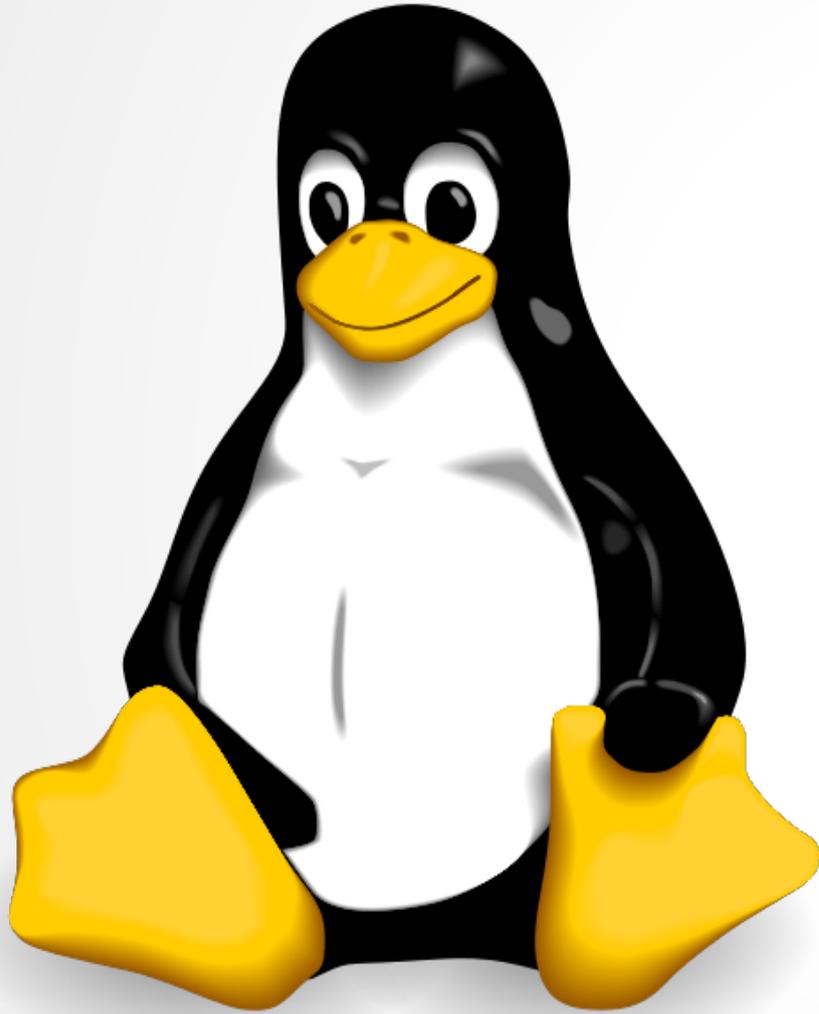
- Linux began life in 1991 in Finland as a personal project by Linus Torvalds.

- Version 0.99 was published in December 1992 under the GNU Public Licence.

- As of 2014, Linux claims to have 22 million users world wide.

- Linux is expected to take 5% market share by the end of 2017.

The Many Flavours of Linux

- Linux was originally developed for the Intel 386/486 only.

- After it official release, many different distributions were created, including several for other computing platforms.

- Today Linux runs on just about everything and has new distributions coming out every week.

- DistroWatch.com acts as a central repository for all of the known Linux distributions.

- Most distributions are based on Debian, Ubuntu, RedHat, SUSE and Slackware.

Why so many ? How do I choose ?

Commerical Applications

- Each distribution tends to specialize in a specific area.

- Review DistroWatch http://distrowatch.com/search.php

Desktop Applications

Older Computers
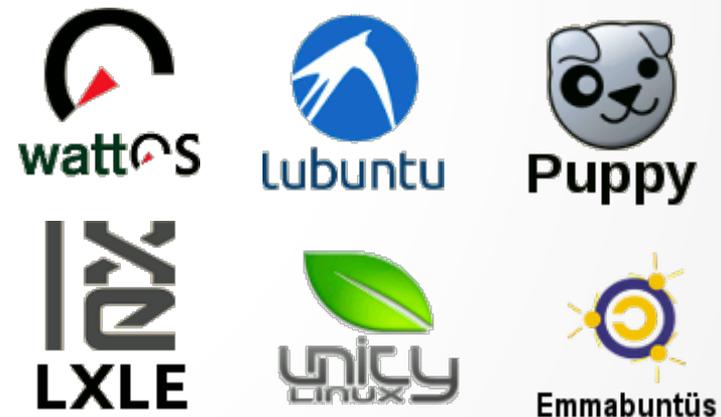
Diverse Hardware
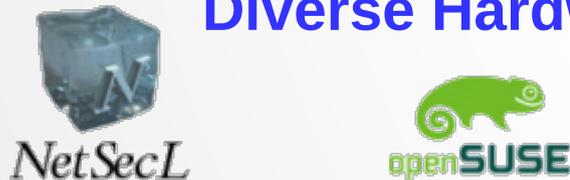
Education

Utilities

A Taste of Software for Linux

Email
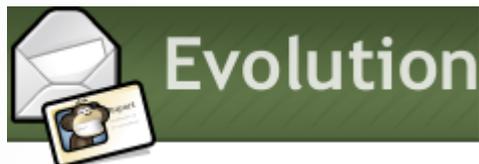
Web
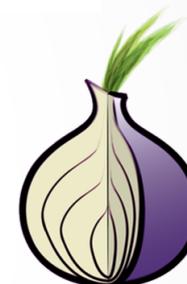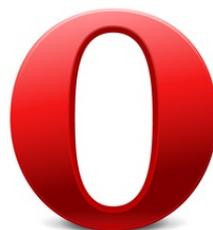
Office
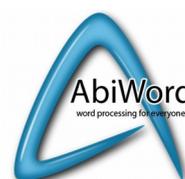
Other

So why should I run Linux ?

- Linux is Open Source, both free and well supported in the community.

- Most Linux Distributions offer LTS (Long Term Support) versions, supported for 5 years or more.

- You do not need a new machine to run Linux.

- You have a huge repository of Open Source software available to you which generally replaces the commercial software you now use.

- Most Open Source software is kept up to date and relevant by commercial vendors.

- You get the advantage of shopping in the Bazaar versus a Brand-Name store. The stronger products win. The weaker ones go away.

- IE. You get it all for free. So what have you got to lose ?

Ok enough Talk. Let's Look at Linux.

Questions and Answers ?