



17<sup>th</sup> birthday  
celebration

## Wuthering Bytes

John, Bernie and Darren started the year with reports on various aspects of the 2024 Wuthering Bytes Festival. Unfortunately a tree falling on the line between Bradford and Halifax preventing trains getting to Hebden Bridge had impacted attendance at the Festival Day which John was able to attend while Bernie reported on the Hardware Camp held on the Saturday and Darren on the session by Makerspace on robots.

## Other reports

Brian shared his experience of writing software with AI.

David reported that the ATC MiThermometer cannot flash Xiaomi thermometers any longer even though the devices look exactly the same as the earlier ones. He had also had to buy a new Raspberry Pi!3+ with heatsink after his existing one overheated while 3D printing a battery holder.

## Demos and presentations

- From Brian and Steve: Proxmox server
- From Steve: Uptime Kuma which he uses to monitor the various programs on his Proxmox server
- From John: creating websites for visually impaired users
- SystemRescue
- From Darren: AWK

# Demos and presentations

- From Bernie: Stellarium
- a Python GUI to provide a service for an Instrument Neutral Distributed Interface (INDI) using the Textualize library which is OS agnostic
- the Geograph Project
- gocryptfs, a file-based, rather than device-based, encryption system
- Padlet, a web based bulletin board

## Demos and presentations

- From Bernie: a project to obtain a time-lapse video of his apple tree throughout the year by taking a photograph of it every midday
- From David: Klipper for 3D Printing
- Raspberry Pi 3, 'Le potato' and the Orange Pi 4 LTS, the last two of which now work
- From Brian: a problem when parcels are delivered and he is out, using Home Assistant and the Home Assistant Companion app.

## Demos and presentations

- From Steve: tailscale which provides an overlay network for WireGuard
- Ventoy installed on a 128Gb USB stick
- EndeavourOS running KDE Plasma 6

## News

- From Bernie: uv, a new packager for Python which creates a virtual environment and then goes to PyPI and pulls in all the dependencies
- Incus, a fork of LXD; Incus offers both containers and virtual machines and its commands are mostly the same as for LXD; it can take snapshots and you can create multiple containers from a single image



# News

- From John: Valkey 8.1 (replacement for Redis)
- some distributions and some programmers ceasing support for the earliest x86-64 chips as defined by their microarchitecture levels
- qdirstat, a graphical interface for examining the contents of a drive
- END OF 10 to offer advice to people on dealing with the end of Windows 10

# News

- From John: new EU regulations containing definitions of open source:
- the Cyber Resilience Act which introduces the concept of 'Open Source Software Stewards'
- the AI Act which defines four levels of risk; open source software which is not monetised is exempt from complying with the requirements relating to the lowest level of risk

# Questions

- From Steve: photodisplay software; most have now been closed or moved to a subscription based service
- From Brian: how to convert the AAX audio format; it can be done with FFmpeg if you have the activation code for the file
- a conflict he was encountering when trying to update KeyPassX on Nextcloud; possibly a timezone problem

# Questions

- From Mike: about mariadb authentication when connecting a MODX website to mariabd
- From Darren: about a call to the Almquist or ash shell (inserting `#!/bin/bash` will cause the script to default to bash)
- ash has been ported to Debian as dash (Debian Almquist shell)



That's all, folks