

Security: Reproducible Builds, VPNs, COMB and More

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- [Chris Lamb: Free software activities in February 2021](#) [2]

The motivation behind the Reproducible Builds effort is to ensure no flaws have been introduced during compilation process by promising identical results are always generated from a given source, therefore allowing multiple third-parties to come to a consensus on whether a build was compromised.

[...]

I also made the following changes to diffoscope, including preparing and uploading versions 167 and 168 to Debian...

- [Here's why VPN services are turning to WireGuard](#) [3]

When it comes to VPN services, everyone has their individual preferences, and the same is true of the protocols used to encrypt them.

OpenVPN and IPsec encryption protocols have long ruled the roost, but up-and-coming protocol WireGuard is proving that high levels of encryption can be had for less overhead.

We caught up with Daniel Sagi, COO at Kape Technologies, parent company of Private Internet Access, to find out about the value WireGuard can deliver and the company's approach to protocols going forward.

- [COMB: largest breach of all time leaked online with 3.2 billion records](#)[4]

It's being called the biggest breach of all time and the mother of all breaches: COMB, or the Compilation of Many Breaches, contains more than 3.2 billion unique pairs of cleartext emails and passwords. While many data breaches and leaks have plagued the internet in the past, this one is exceptional in the sheer size of it. To wit, the entire population of the planet is at roughly 7.8 billion, and this is about 40% of that.

However, when considering that only about 4.7 billion people are online, COMB would include the data of nearly 70% of global internet users (if each record was a unique person). For that reason, users are recommended to immediately check if their data was included in the leak. You can head over to the CyberNews personal data leak checker now.

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[Create Your Own Certificate Authority \(CA\) for Homelab Environment](#) [5]

I use my own Root CA to manage certificates in the homelab environment.

[Security](#)

Source URL: <http://www.tuxmachines.org/node/148249>

Links:

[1] <http://www.tuxmachines.org/taxonomy/term/59>

[2] <https://chris-lamb.co.uk/posts/free-software-activities-in-february-2021>

[3] <https://www.techradar.com/news/heres-why-vpn-services-are-turning-to-wireguard>

[4] <https://cybernews.com/news/largest-compilation-of-emails-and-passwords-leaked-free/>

[5] <https://www.lisenet.com/2021/create-your-own-certificate-authority-ca-for-homelab-environment/>