

# Sysadministrivia

## Linux, Lagers, and Late Nights

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### S1E2: "hunter2"

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Comments 0

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#### Log

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Quicklisten:

Journalctl, lftp, passwords, WINE (yes, again), and acoustic/sidechannel crypto attacks.

- News
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## News

Starts at **3m23s**.

- The FTC is hitting Asus for making shitty router firmware, software, etc.
  - (Though it's more like just a slap on the wrist.)
- Linux Mint got fucked - hard and without lube.
- We talk more about this in the show notes.
  - This is why you don't use wordpress. lolz
- And ANOTHER ssl vuln, DROWN.
  - Affects/targets SSLv2, and yet again exists because of government-mandated weaker export encryption laws.
  - You can check for vulnerability here.
- Not really "news", but still hilarious: MSFT released .NET for GNU/Linux- as F/LOSS.

## Notes

Starts at **8m49s**.

- DROWN is stupid and overhyped. But we sort of recap over various SSL-related vulnerabilities anyways.
  - DROWN is an acronym for **Decrypting RSA with Obsolete and Weakened eNcryption**
    - I told you it was stupid.
  - Their broken-ass piece of shit python scanner is here.
- We talk about some neat little features of journalctl and mention lftp. **(11m18s)**
  - The wget option I was thinking of is `--no-parent`. (e.g. For mirroring a specific directory, I would use `wget -e robots=off -r -N --no-parent -nH domain.tld/dir1/dir2/.`) Note that it does, however, traverse symlinks (this can be disabled by the `--retr-symlinks=no` flag, but ONLY if fetching via FTP. But it still won't get parent dirs `(../)`).
- I didn't get a chance to talk about passwords because the co-hosts pull me down a tangent. **(15m56s)**
  - I really wanted to mention this and this. I'll keep bringing passwords up in the show until we get to talk about them, gorram it.
  - The "XKCD Algorithm" I mention is here, but I consider it bad advice. And Schenier agrees with me.
  - And Jthan actually defeated a (mild) on-air social engineering attack from me!
  - I also mention oclHashCat and JohntheRipper's MPI functionality (if you're using john, you'll probably also want to use the jumbo patchset).
  - And for password managers (I shared this link and their response), I like pass.
  - For generating passwords, I'm particularly fond of pwgen, and invoked usually via something like `pwgen -sy 64 1`. You might want to leave the `-y` off if you're generating MySQL passwords.

- I talk about the cracking rig in S0E12.
- Browsers are in general just terrible.
- The title comes from this. Thanks, Kyle!
- WINE is (still) *Not* an Emulator! (**32m30s**)
  - I mention Cygwin briefly, which is sort of the WINE analog for Windows.
  - Recursive acronyms are fun!
  - As useful as it is, it needs to cut out that default file association bullshit.
  - WINE actually has a pretty robust CLI that emulates cmd.exe (e.g. wine cmd.exe program.exe). Need MS-DOS? Calling with command.com instead of cmd.exe will start DOSBox. (If that *still* isn't satisfactory, try giving FreeDOS a spin in a VM!)
  - The WINE compatibility database is here.
  - It also has regedit. (If you want to access Windows registry blogs without installing WINE, you have a lot of great options. You can even edit them!)
  - Winetricks is awesome. You need to give it a look. Seriously.
    - Seriously.
  - And you can use native Microsoft-written libraries with WINE.
  - There's also PlayOnLinux, which has a limited (but still rather extensive) "pre-configured" library of programs with specialized tweaks implemented.
- "Acoustic Keyloggers" (**46m03s**)
  - The article Paden sent me is on Vice...
  - But this is nothing new.
  - Seriously, we've known about this stuff for a while already.
  - There's even a PoC!
  - I also mention Van Eck phreaking.
  - You can make your own laser microphone!
  - I suggest possible circumvention/prevention/negation against the various attacks would be a Faraday cage, "jamming" with junk RF signal on the same frequency, lead-lined... everything.
    - We're interested in hearing your creative ideas of circumventing these attacks! Let us know on Twitter or our Contact page!
    - By the way, I mention projection keyboards. Which are super cool! Unfortunately they're not very accurate.

## Errata

- Our editor Aaron picked the music out for this episode!
- Aaron also makes a special appearance at **36m36s** to confirm an unexpected result- in a twist of the-butler-did-it proportions, the culprit of typing was *both Jthan and Paden!* (insert dramatic music sting here)
- Rainbow yelled at me because I neglected to mention that WINE works on FreeBSD (and presumably other BSDs) too! FreeBSD also has a Linux compatibility layer.

## Music

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**Categories** Season One

## Comments

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