

QLF *Live*

MENTORSHIP SERIES



2nd Place is the 1st Winner

Growing Your Influence in the Linux Kernel Community

Dan Williams, Principal Engineer, Intel

Agenda

- Career Path Disclaimer
- 2nd Place is the 1st Winner
- How to Kernel
 - Review
 - Maintain
- Conclusion / why this is worth the effort



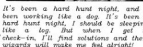


2nd Place is the 1st Winner

ONE GROOVY HUNT TREASURE HUNT 58



10-18-08



It's been a hard hunt night, and been working like a dog. It's been hard hunt night, I should be sleeping like a log. But when I get check-in, I'll find solutions and the wizards will make me feel alright!



"If you can remember anything about the 60's, you weren't really there!"



Did the HWCW
half? You've got to
yourself one queen
Do I feel lucky?
do ya, punk?



Don't worry baby,
Everything will turn out alright!

There's somethin' happenin' here. What it is ain't exactly clear. There's a wizard with a camera over there. A-tellin' me I've got to be a jackass!



NOTES

1. CLUE LOCATIONS MEASURED FROM CENTER LINES OF ROADS.
2. COMMITTEE RECOMMENDS TRAVEL ONLY ON ROADS SHOWN AND AT LAWFUL SPEEDS!
3. AT ALL TIMES: SAFETY FIRST. BE CAREFUL.
4. EXCESS FORCE IS NEVER REQUIRED TO SOLVE THE WORKING CLUES. PLEASE BE GENTLE WITH THEM.

LEGEND

- ALL-WEATHER ROAD (MAJOR)
 ALL-WEATHER ROAD (MINOR)
 UNIMPROVED ROAD
 POWER LINE (POLE OR TOWER)
 FENCE
 WASH. CREEK
 MOUNTAIN, HILL, DIKE OR EMBANKMENT

0 0.5 1
SCALE (MILES)



2nd Place is the 1st Winner

- If you race to maintainership you might unfortunately win
- Kernel maintainer is a support role, not an executive role
- The power to say “no” comes with the responsibility to say “no”

How to Kernel: Review

How to Kernel: Getting Started

- Mentor Programs
- Fix a bug or 10
- Scratch an itch

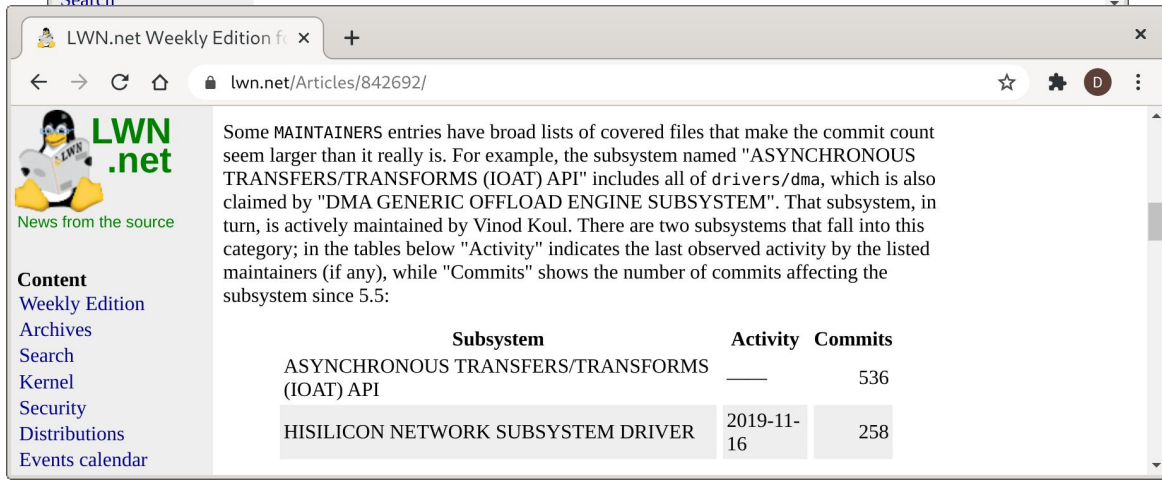
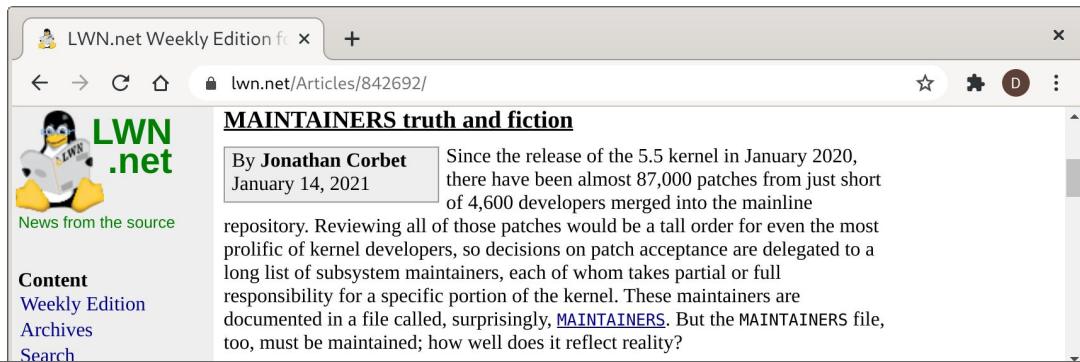
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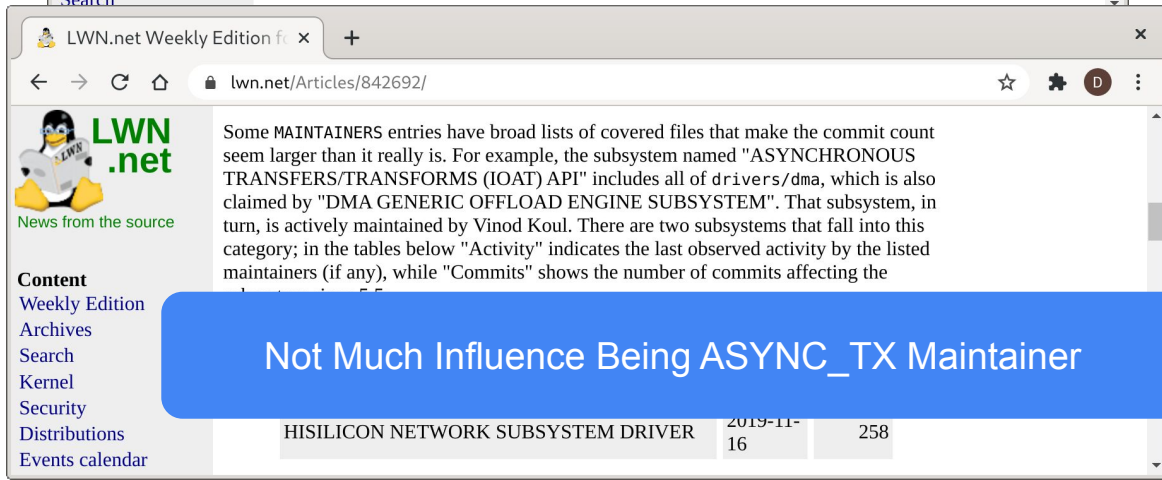
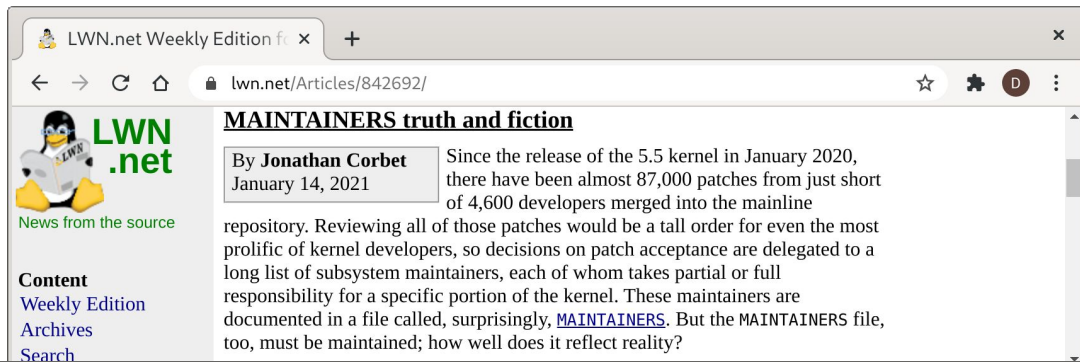
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Graduate to a Reviewer not Maintainer





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 - Do not repeat them
 - Bonus points: preclude mistakes

How to Kernel: Review

“...if you are starting from the premise that ‘I don’t know this code well enough to perform a useful review’ then you are setting yourself up for failure right at the start. Read the series description, think about the change being made, use your experience to answer the question ‘what’s a mistake I could make performing this change’. Then go looking for that mistake through the patch(es). In the process of performing this review, more than likely, you’ll notice bugs other than what you are actually looking for...”

- [David Chinner](#)

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Opportunity to change the core is rare, opportunity to
review core changes is abundant

How to Kernel: Review

- Subject matter expertise not required
 - Leverage knowledge of one subsystem to gain a foothold in the next
 - Use naivete to your advantage (changelogs and documentation)

How to Kernel: Review

- Seek and destroy contributions to the [Platform Problem](#)
 - Debt collects where developers [avoid the platform](#)
 - Platform pain may take review to become apparent
 - Red diffs are pure candy

How to Kernel: Review

- Influence is granted to those that demonstrate they are actively carrying the burden of keeping the kernel healthy and relevant.
- Negotiate Review time with your manager (rebuild trust capital to spend on your next mistake)

How to Kernel: Maintain

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- What does success look like?
 - >10 years of active participation
 - Reviews trusted by many maintainers
 - No entry in MAINTAINERS

The goal is be a reliever of burdens, not a target of burdens

How to Kernel: Maintain

On Sat, Jun 9, 2018 at 8:17 AM Dan Williams <dan.j.williams@intel.com> wrote:

>

> Well, crap. I've been doing it the wrong way for a while.

... you're not the only one ;*(

I only really catch it when it's very obvious, like it was now when the last merge was just before so it stood out like a sore thumb when I looked at the resulting "git log".

... or then I catch it in the (happily rare) case when a merge causes issues, and then I curse.

How to Kernel: Maintain

- Towards a Maintainer Handbook?
- Every subsystem is different
- Seek mentoring
- Declare expectations: [Subsystem Profile](#)
- Be predictable

Why?

Why? / Conclusion

- The Influence, Trust, Impact Cycle
- The project needs you to persevere
- Just for fun

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...but seriously, go review some patches!



Thank you for joining us today!

We hope it will be helpful in your journey to learning more about effective and productive participation in open source projects. We will leave you with a few additional resources for your continued learning:

- The [LF Mentoring Program](#) is designed to help new developers with necessary skills and resources to experiment, learn and contribute effectively to open source communities.
- [Outreachy remote internships program](#) supports diversity in open source and free software
- [Linux Foundation Training](#) offers a wide range of [free courses](#), webinars, tutorials and publications to help you explore the open source technology landscape.
- [Linux Foundation Events](#) also provide educational content across a range of skill levels and topics, as well as the chance to meet others in the community, to collaborate, exchange ideas, expand job opportunities and more. You can find all events at events.linuxfoundation.org.