

So You want to be a Linux Kernel hacker!!!!

HKOsCon 2017, HongKong

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Who Am I?

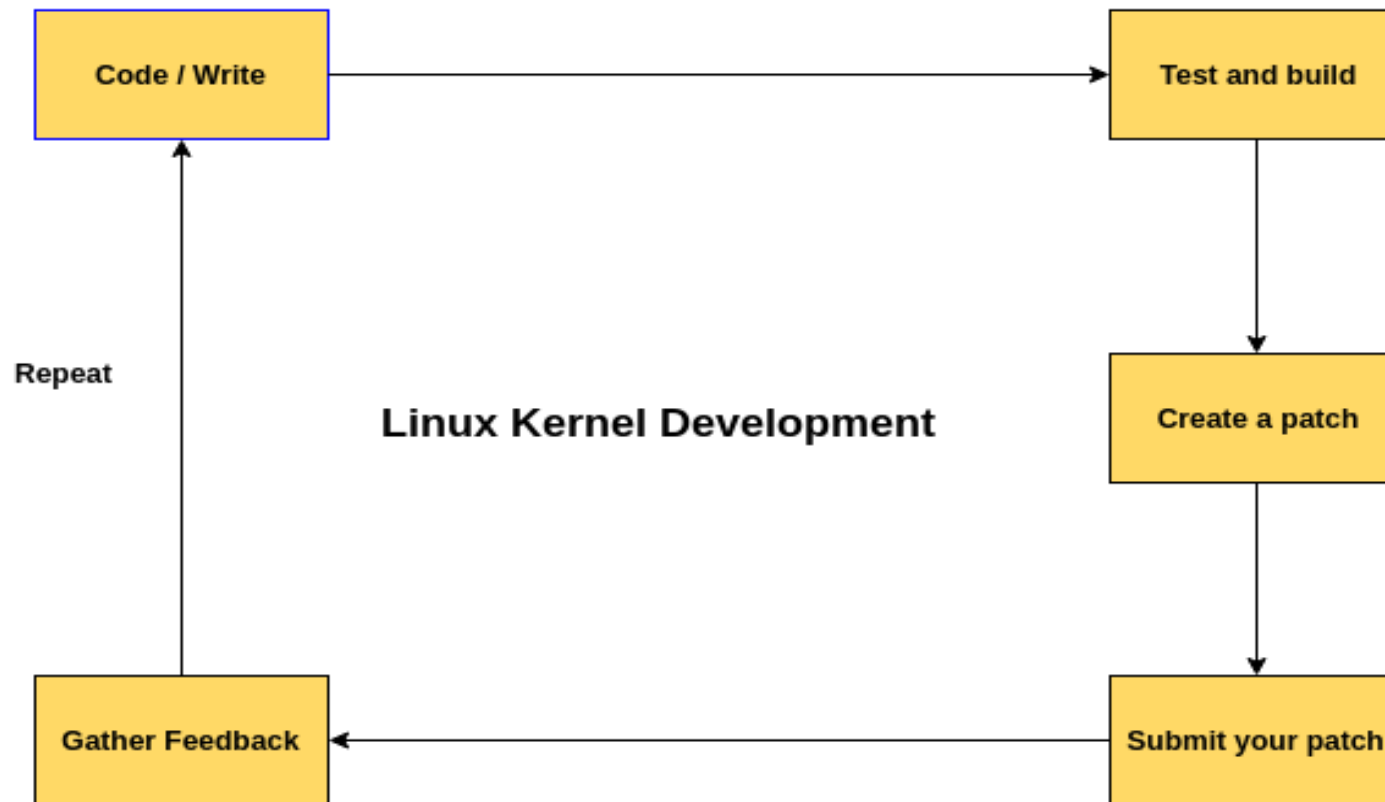
The purpose of this 5 minute talk

How I got involved?

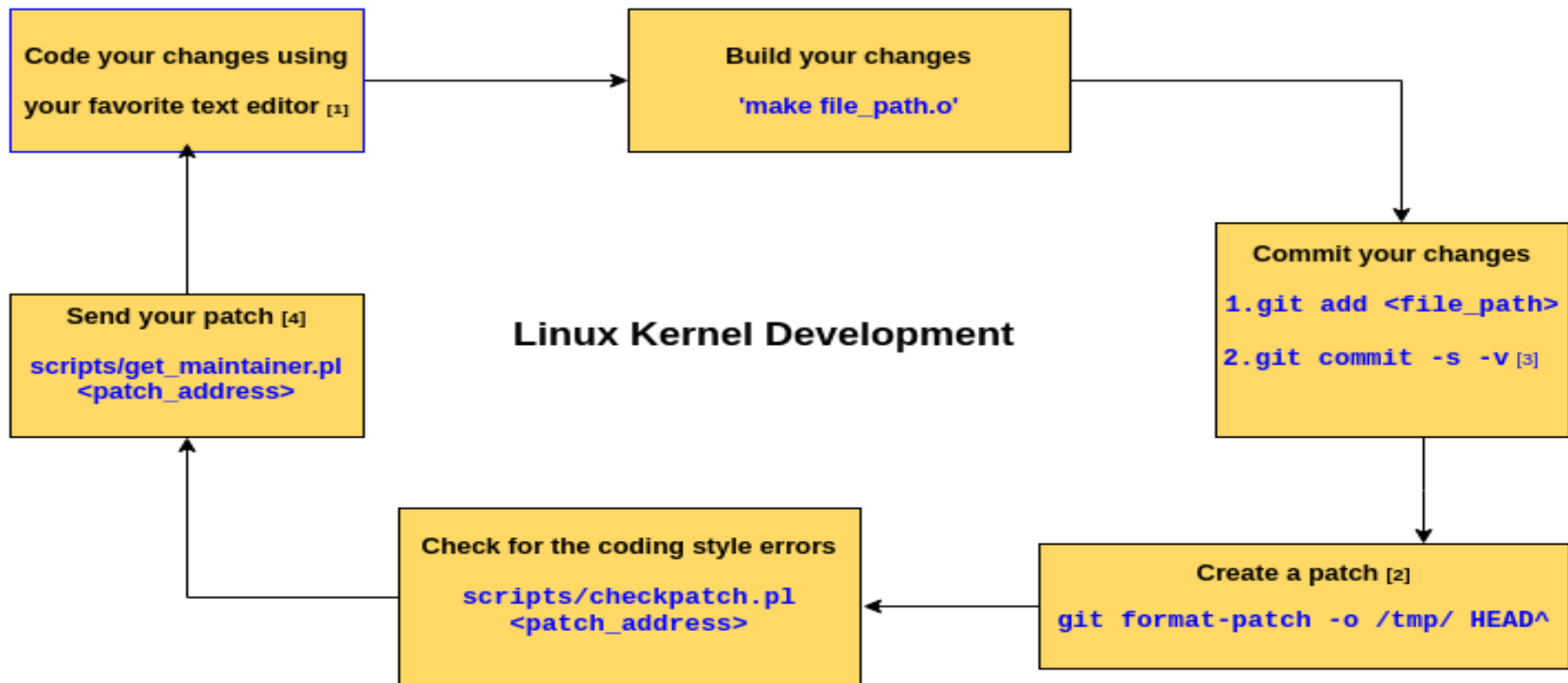
- Outreachy
- Kernel contribution
- Got a full-time job as a kernel developer

Process of the Kernel Development

- linux kernel hacking==creative cycle



Process of the Kernel Development



[1] Do the changes in your local branch: <https://kernelnewbies.org/FirstKernelPatch#head-4fc0349738a61ed254bcbef7a980321c77495014>

[2] You should see the command output with a filename in /tmp/

[3] **Philosophy of Linux kernel patches:** <https://kernelnewbies.org/PatchPhilosophy>

[4] **Using mutt to send patches:** <https://kernelnewbies.org/FirstKernelPatch#head-dc6a8aa0be0d0e8ed9dc03726d0b5a1fb0f65e1f>
Using git-send-email to send patches: <https://burzalodowa.wordpress.com/2013/10/05/how-to-send-patches-with-git-send-email/>

How newbies can get involved?

- Scratch your own itch
- Static/dynamic analysis tools, fuzzers etc
- Kernel documentation project
- Kernel self protection project
- TODO list for DRM graphics subsystem:
<https://dri.freedesktop.org/docs/drm/gpu/todo.html>
- Some other ways:
<https://dri.freedesktop.org/docs/drm/gpu/todo.html>

Useful links

- **First kernel patch tutorial:**
<https://kernelnewbies.org/FirstKernelPatch>
- **LWN Articles:** <https://lwn.net/Kernel/>
- **Greg Kroah-Hartman's talk on Linux kernel development:**
<https://www.youtube.com/watch?v=vyenmLqJQjs>
- **Linux kernel documentation**

**Welcome to the Linux kernel
community!**