

The Linux Kernel Community

How it works, why it matters,
and how to get involved

Greg Kroah-Hartman
SuSE Labs / Novell

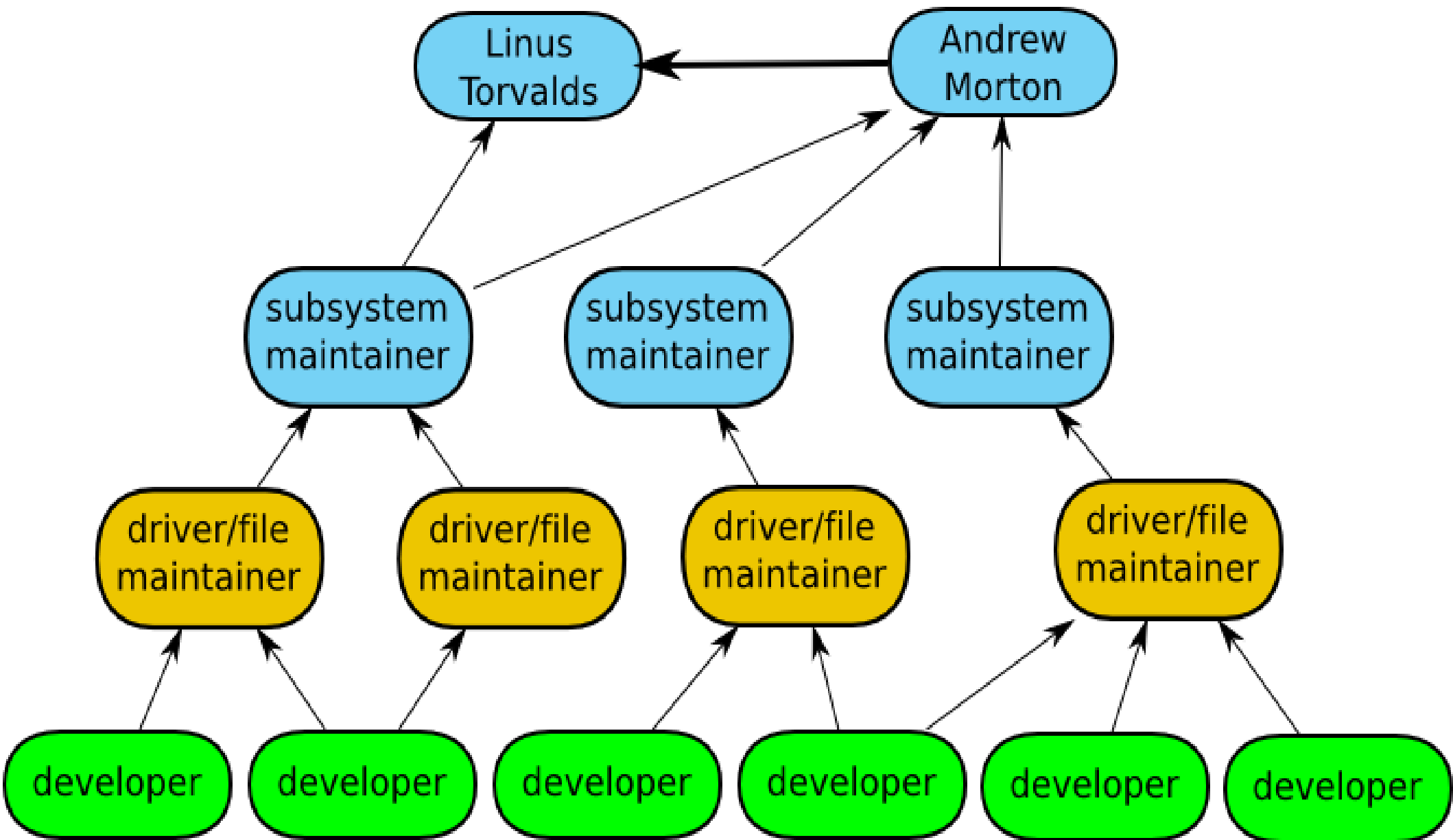
4,000 lines added

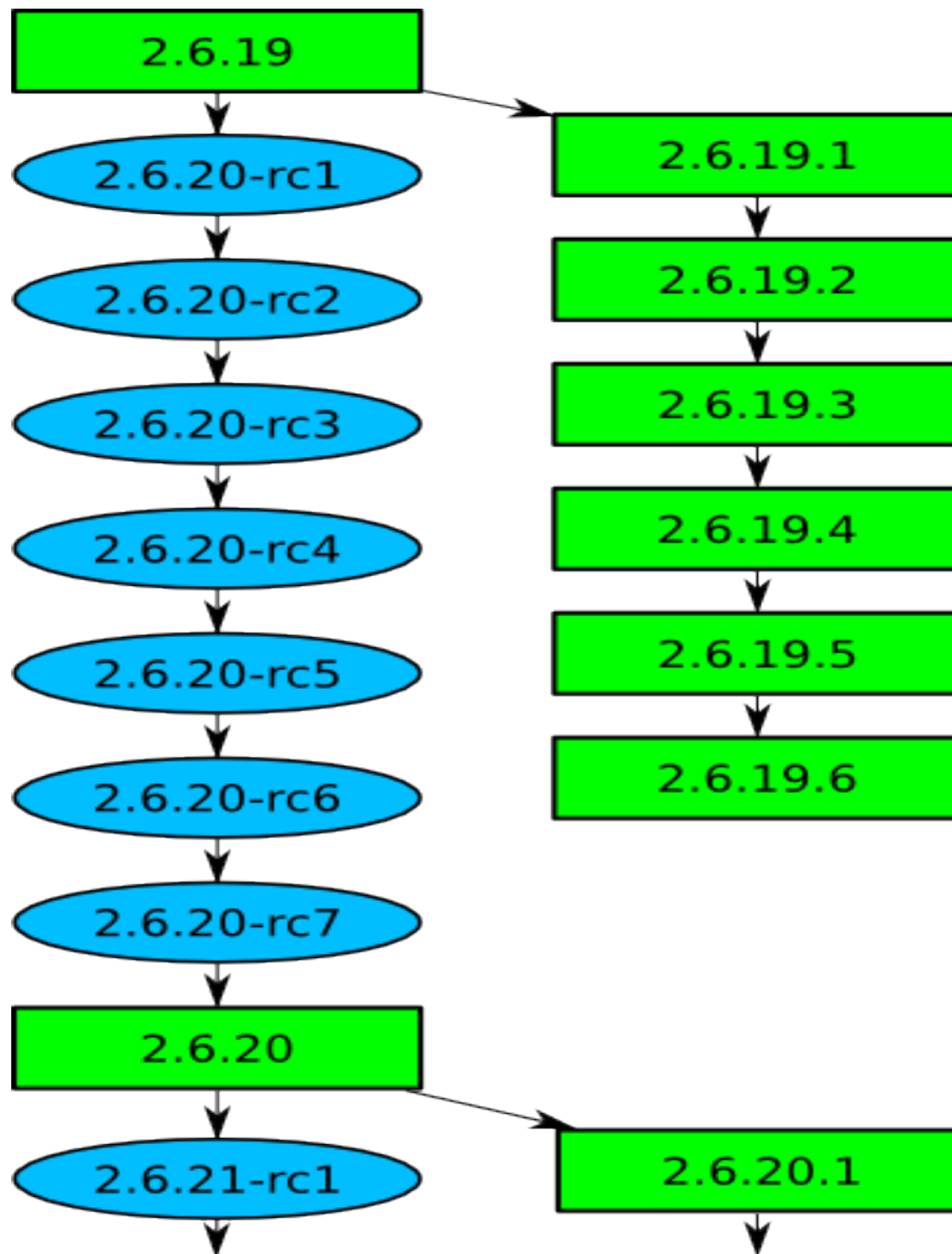
1,900 lines removed

1,300 lines modified

per day for all of 2007

3.44 changes per hour







**New release every
 $2\frac{3}{4}$ months**

8.9 million lines

```
if (error)
    goto Error;

/* first, register with generic layer */
kobj_err = set_name(&dev->kobj, "%s", dev->bus_id);
error = kobj_err ? add_name_error(dev, kobj_err) : 0;
if (error)
    goto error;

/* notify platform of device entry */
if (platform_notify)
    platform_notify(dev);

/* notify clients of device entry (new way) */
if (dev->bus)
    blocking_notifier_call_chain(&dev->bus->bus_notifier,
                                BUS_NOTIFY_ADD_DEVICE, dev);

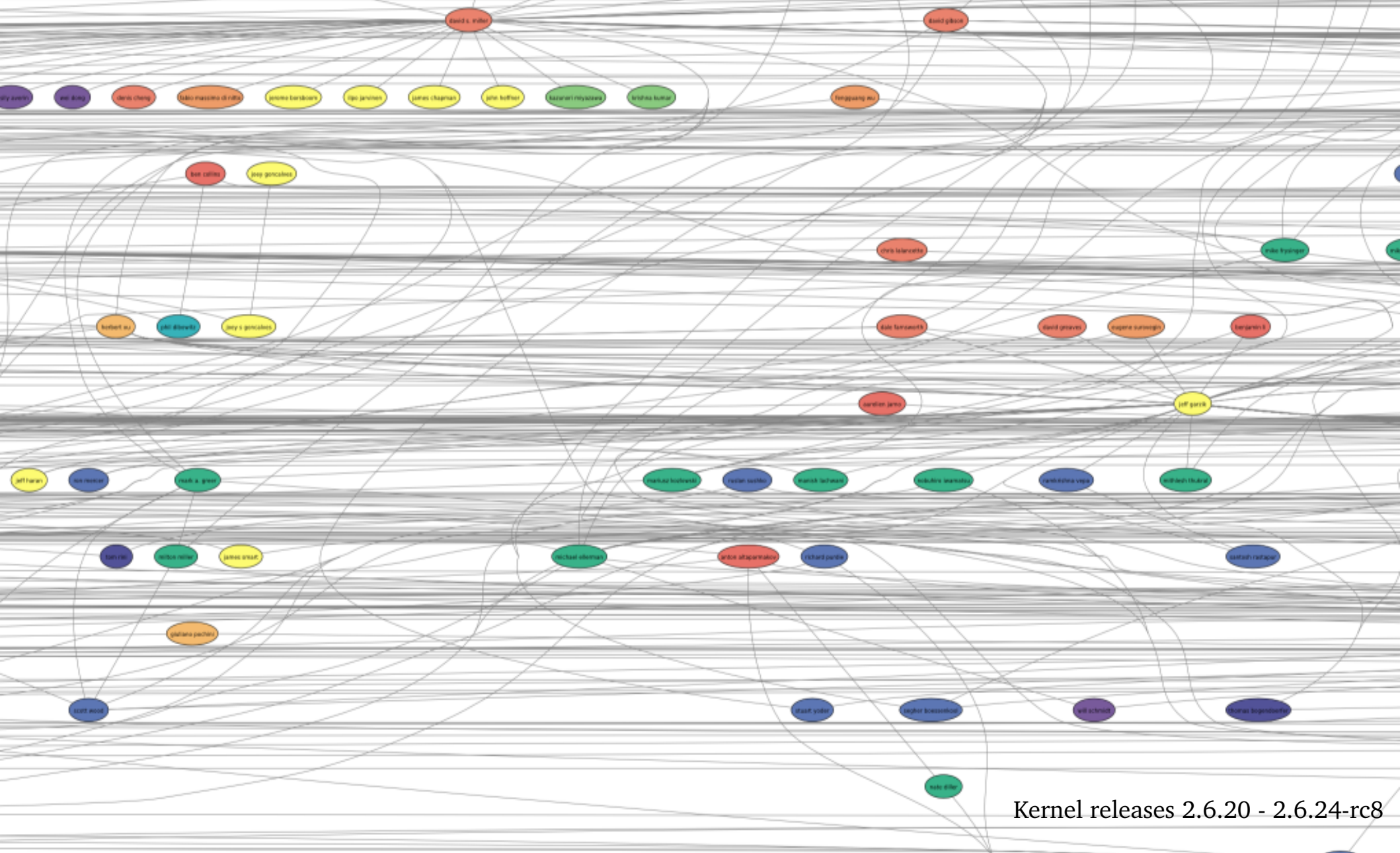
error = device_create_file(dev, &uevent_attr);
if (error)
    goto attrError;

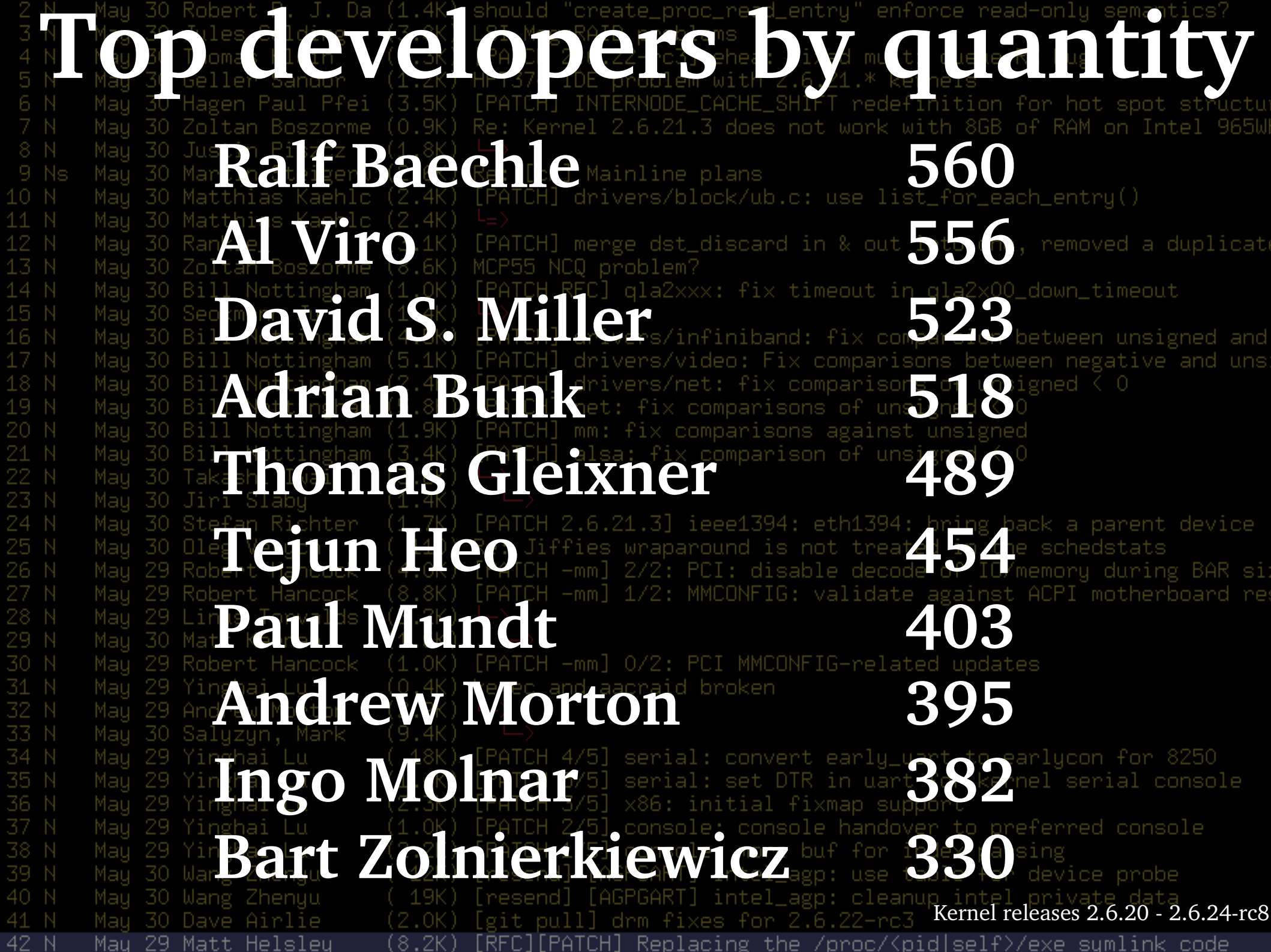
if (MAJOR(dev->devt)) {
    error = device_create_file(dev, &devt_attr);
    if (error)
        goto ueventattrError;
}

if (dev->class) {
    sysfs_create_link(&dev->kobj, &dev->class->subsys.kobj,
                    "subsystem");
    /* If this is not a "fake" compatible device, then create the
     * symlink from the class to the device. */
    if (dev->kobj.parent != &dev->class->subsys.kobj)
```

as of the 2.6.24-rc8 release

2198 Developers





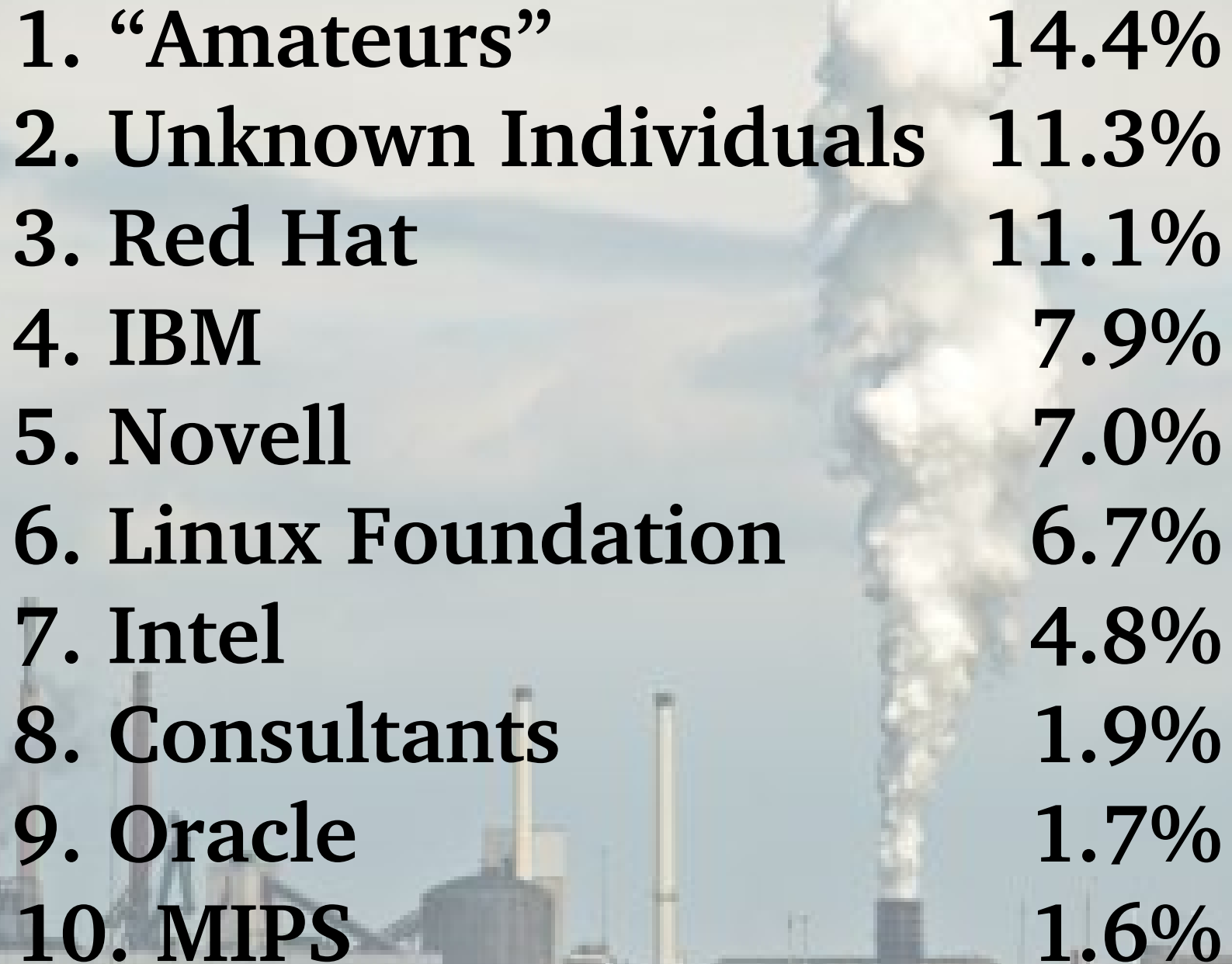
Top Signed-off-by:

Andrew Morton	7366
Linus Torvalds	7321
David S. Miller	3265
Jeff Garzik	2405
Greg Kroah-Hartman	1571
Paul Mackerras	1351
Mauro Carvalho Chehab	1224
Ingo Molnar	1106
Ralf Baechle	1029
James Bottomley	975

Who is funding this work?

- 1.
- 2.
3. Red Hat 11.1%
4. IBM 7.9%
5. Novell 7.0%
6. Linux Foundation 6.7%
7. Intel 4.8%
8. Consultants 1.9%
9. Oracle 1.7%
10. MIPS 1.6%

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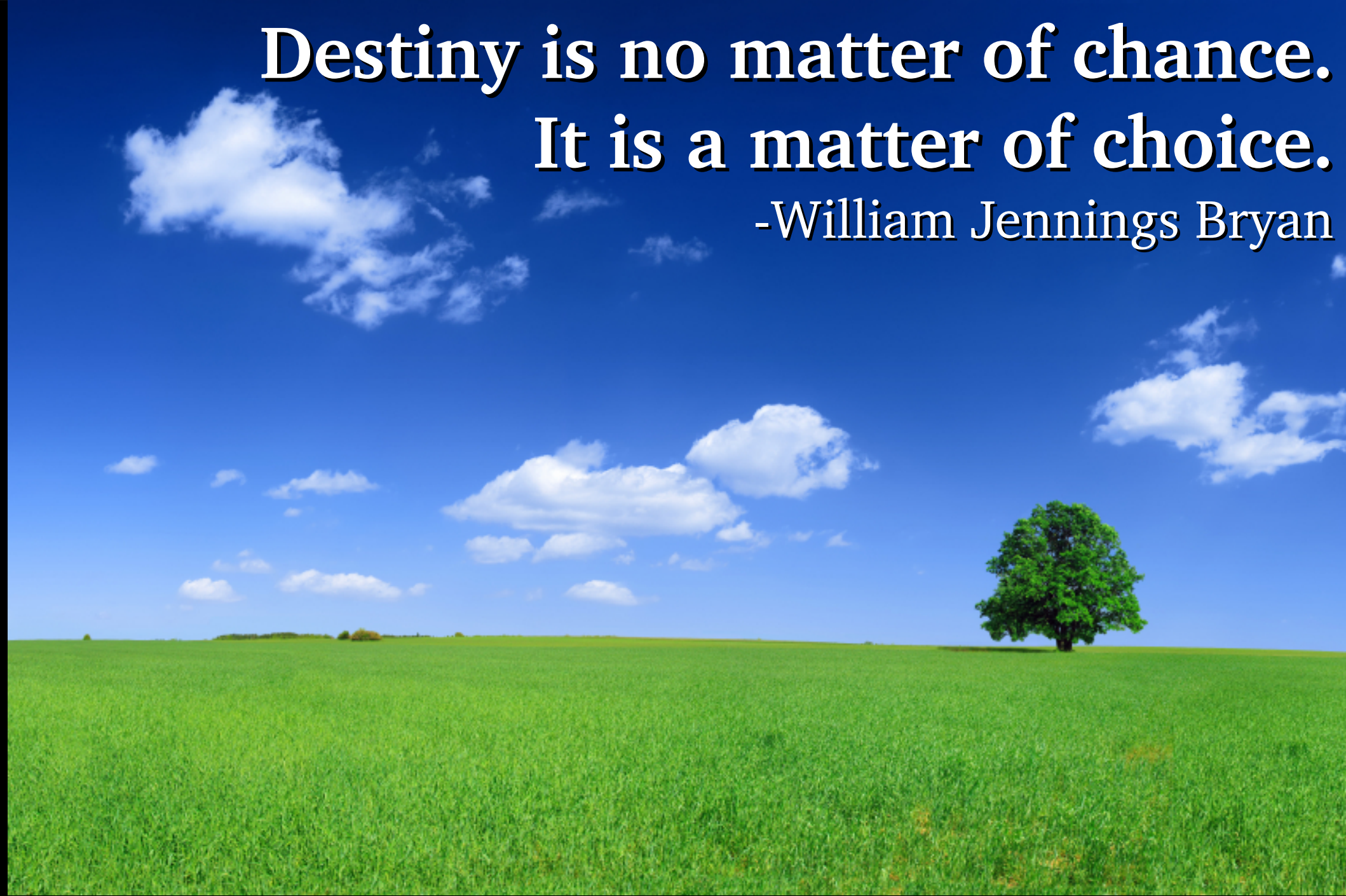
1. “Amateurs”	14.4%
2. Unknown Individuals	11.3%
3. Red Hat	11.1%
4. IBM	7.9%
5. Novell	7.0%
6. Linux Foundation	6.7%
7. Intel	4.8%
8. Consultants	1.9%
9. Oracle	1.7%
10. MIPS	1.6%

No known contribution by Amazon to the Linux kernel





**Destiny is no matter of chance.
It is a matter of choice.**
-William Jennings Bryan



Documentation/HowTo

Kernel Newbies



Kernel Janitors



The Linux Driver Project is focused on creating and maintaining [OpenSource](#) Linux kernel drivers for all types of devices.

About us

We are a group of Linux kernel developers (over 80 strong), and project managers (over 10) that develop and maintain Linux kernel drivers. We work with the manufacturers of the specific device to specify, develop, submit to the main kernel, and maintain the kernel drivers. We are willing and able to sign NDAs with companies if they wish to keep their specifications closed, as long as we are able to create a proper GPLv2 Linux kernel driver as an end result.

Joining

If you are a company that wishes to have a Linux kernel driver written and maintained by this group, please go to the [Company Page](#).

www.linuxdriverproject.org

Frequently Asked Questions

We have quite a long list of [Frequently Asked Questions](#) that you might wish to peruse before asking them to the developers or on the [Mailing Lists](#).

Mailing Lists

We currently have two main mailing lists, one for [Project Managers](#), and one for [Developers](#). Please see the [Mailing Lists](#) page for more details.

History

This project was started with an announcement to the Linux Kernel mailing list by [GregKH](#), and has enabled many different manufacturers to achieve full Linux support for their devices.

Questions?

If you still have questions, or do not see the answer for what you are looking for, please feel free to contact [GregKH](#).

