# The Stable Linux Kernel Tree

Delivering a Stable Platform on a Constantly Moving Base

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# 33,315 files 13,470,000 lines

# 2,478 developers 342 companies

# 11,600 lines added 5,000 lines removed 2,300 lines modified

# 11,600 lines added 5,000 lines removed 2,300 lines modified

## per day for all of 2009

# 5.51 changes per hour

## 15 years ago...

## Linux 2.0.0

## 4 months later:

Linux 2.1.0

#### Linux branches

# Even number stable Odd number development

#### 848 days and 141 releases later...

## Linux 2.2.0

### 4 months later:

Linux 2.3.0

#### 604 days and 58 releases later...

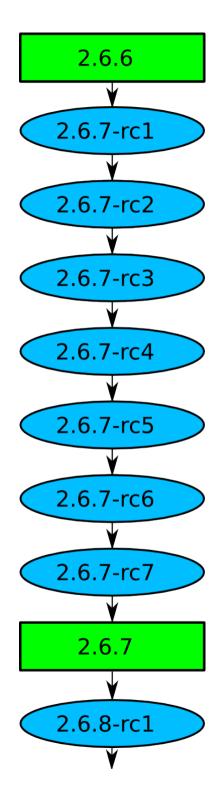
## Linux 2.4.0

#### 10 months later:

Linux 2.5.0

#### 1057 days and 86 releases later...

## Linux 2.6.0





From: Linus Torvalds <torvalds@osdl.org>

Subject: Re: RFD: Kernel release numbering

Date: 2005-03-03 16:23:39 UTC

I'll tell you what the problem is: I don't think you'll find anybody to do the parallell "only trivial patches" tree. They'll go crazy in a couple of weeks. Why? Because it's a \_damn\_ hard problem. Where do you draw the line? What's an acceptable patch? And if you get it wrong, people will complain \_very\_ loudly, since by now you've "promised" them a kernel that is better than the mainline. In other words: there's almost zero glory, there are no interesting problems, and there will absolutely be people who claim that you're a dick-head and worse, probably on a weekly basis.

Anybody?

From: Greg KH <greg@kroah.com>

Subject: Re: RFD: Kernel release numbering

Date: 2005-03-03 16:43:53 GMT

#### > Anybody?

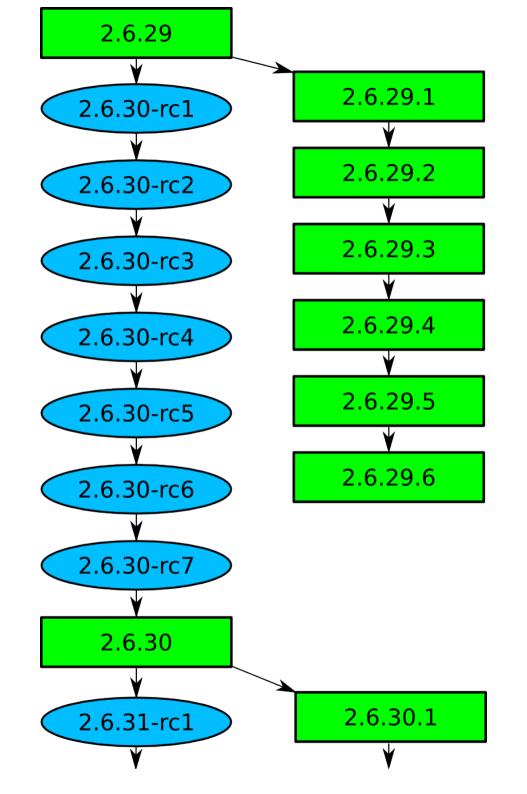
Well, I'm one person who has said that this would be a very tough problem to solve. And hey, I like tough problems, so I'll volunteer to start this. If I burn out, I'll take the responsibility of finding someone else to take it over. From: Chris Wright <chrisw@osdl.org>

Subject: Re: RFD: Kernel release numbering

Date: 2005-03-03 16:55:33 GMT

> Anybody?

Andres Salomon (-as patches) and I have been talking about that at least regarding security fixes. It's worth trying in a more complete and formalized way. Guess I can be branded a sucker :)



#### stable\_kernel\_rules.txt

- obviously correct and tested
- not bigger than 100 lines
- must fix only one thing
- must fix a real bug
- must fix a real problem
- new device ids and quirks
- must be in Linus's tree already

version	# releases	# patches
2.6.11	12	79
2.6.12	6	53
2.6.13	5	44
2.6.14	7	96
2.6.15	7	110
2.6.16	62	1053
2.6.17	14	191
2.6.18	8	240
2.6.19	7	189
2.6.20	21	447

version	# releases	# patches
2.6.21	7	321
2.6.22	19	1584
2.6.23	16	613
2.6.24	7	383
2.6.25	20	419
2.6.26	8	321
2.6.27	54	1584
2.6.28	10	613
2.6.29	6	383
2.6.30	10	419

version	# releases	# patches
2.6.31	14	826
2.6.32	23	2003
2.6.33	7	883
2.6.34	7	601
2.6.35	6	442

#### stable\_kernel\_rules.txt

- "Cc: <stable@kernel.org>" to the Signed-off-by: area of the patch
- send git commit id to stable@kernel.org

#### Review cycle

- patches are sent to maintainers and authors
- 48-72 hour review
- new release happens

#### Get Involved

- tag your patches!
- send commit ids to stable@kernel.org
- stable-commits@vger.kernel.org
- stable-review@kernel.org

