



13-17 April 2015

<https://hackweek.suse.com>

Hack Week 12

Be free to innovate
Be free to learn
Be free to collaborate

社区与发行版

Next Week is Hack Week!

Hack Week, a week where openSUSE/SUSE hackers experiment without limits! It offers the opportunity to innovate, collaborate across teams, and learn. The only rule is: Do what you want, but do it!

Hack Week 12

Many openSUSE/SUSE hackers use this opportunity to work on an activity of their passion and judging from the submitted ideas on hackweek.suse.com there is plenty of passion in the community!

Be it porting openSUSE to new and exciting hardware (Firefly-RK3288 or Intel Quark X1000) and architectures (MIPS). Improving our tools like OpenQA, YaST or OSEM. Making the life of openSUSE users more secure with better disk encryption, SSL pinning or a GNOME password manager. Nerding off with improving disassembly in gdb, porting a fake signal optimization to kGraft or diving into functional programming together. Or how about some more earthly passions like improving yourself or simply jamming together to improve Free Software?

We are sure that in the end, the 12th incarnation of this event, will give birth to one of the next big openSUSE/SUSE innovations. Like so many Hack Weeks before have! Just think about zypp and zypper, the openSUSE ARM port or YaST in Ruby.

So when next week is Hack Week, support the openSUSE/SUSE hackers where you can when they explore strange new languages, seek out new tools and new communities, when they boldly go where no hacker has gone before!

Firefox 37, Appstream metadata arrive in Tumbleweed



Firefox 37 is in the latest Tumbleweed, but there are plenty of other updates that make this snapshot unique. One update that is eye catching in this snapshot is that in Firefox 37 Yandex is set as default search provider for the Turkish locale. Hmm◆◆ This seems to cement Yandex as the leading search engine in Turkey and positioning it above Google.

What is really cool about this snapshot is Appstream metadata <http://www.freedesktop.org/wiki/Distributions/AppStream/> being published in Tumbleweed repos. On the client side, Gnome Software uses that information to display software in a more user friendly way and the availability of this metadata is likely to influence other developments and projects. Everyone is [encouraged to fix packages](#) that provide no or incomplete appstream metadata since this is a major improvement. Stats about the current data can be found at <http://gs-stats.leuener.net/>.

For those who are new to Tumbleweed, we recommend you subscribe to the Factory mailing list because we want to keep you aware of Tumbleweed developments. While you can get information on news.opensuse.org, the mailing list will allow you to be informed about the technical details involved with Tumbleweed and fixes they are available for bugs. Currently Tumbleweed suffers from a btrfs bug that leads to a deadlock when booting after a crash. This topic was described on the mailing list yesterday.

To read what in the latest snapshot, visit <http://lists.opensuse.org/opensuse-factory/2015-04/msg00111.html>.

Cya at Hackweek next week!

系统与软件

Emacs 24.5 is released

Version 24.5 of the Emacs text editor is now available.

For more information on Emacs, see: <http://www.gnu.org/software/emacs/>

You can retrieve the source from your nearest GNU mirror by using one of the following links: <http://ftpmirror.gnu.org/emacs/emacs-24.5.tar.xz> <http://ftpmirror.gnu.org/emacs/emacs-24.5.tar.gz>

Or choose a mirror explicitly from the list at: <http://www.gnu.org/prep/ftp.html>

Mirrors may take some time to update; the main GNU ftp server is at: <http://ftp.gnu.org/gnu/emacs/>

Emacs 24.5 is mainly a bug-fix release, but for a summary of changes see the etc/NEWS file, which you can view from Emacs with ``C-h n'`.

For the complete list of changes and the people who made them, see the various ChangeLog files in the source distribution. For a summary of all the people who have contributed to Emacs, see the etc/AUTHORS file.

Printed copies of the Emacs manual are available for purchase from the Free Software Foundation's online store at: <http://shop.fsf.org/product/emacs-manual/>

(The version on sale is updated for Emacs 24.2, but it remains a great reference book for current Emacs, and buying a copy is a great way to support the work of the FSF.)

Linux 4.0 Kernel Released

Linus Torvalds went ahead and released the Linux 4.0 kernel today as expected.

Linus noted in the release announcement, "So I decided to release 4.0 as per the normal schedule, because there really weren't any known issues, and while I'll be traveling during the end of the upcoming week due to a college visit, I'm hoping that won't affect the merge window very much. We'll see. Linux 4.0 was a pretty small release both in linux-next and in final size, although obviously 'small' is all relative. It's still over 10k non-merge commits. But we've definitely had bigger releases (and judging by linux-next v4.1 is going to be one of the bigger ones)."

If you're not already well versed on the Linux 4.0 changes, see the big features of Linux 4.0 and my lengthier feature look at Linux 4.0.

Now to get excited about Linux 4.1...

GCC 5 Is Branched, GCC 6.0 Enters Development

GCC 5 Is Branched, GCC 6.0 Enters Development Compiler Published on 12 April 2015 04:11 PM EDT Written by Michael Larabel in Compiler Comment On This Article GCC 5 is expected to be released this month and it's now a step closer to making its debut. Mainline GCC is now also marked for GCC 6.0 development.

A few minutes ago in the SVN/Git code, the GCC 5 code was branched to gcc-5-branch. Following that, the trunk/mainline code was set for GCC 6.0.0.

GCC 5 is expected for release this month while GCC 6 will be about one year away. GCC 5 is bringing many major features as previously talked about on Phoronix over the past few months along with numerous compiler benchmarks while more coverage is forthcoming.

GCC 5 is to be the first release under the GNU Compiler Collect's new versioning scheme. The new versioning scheme is outlined on the GCC develop page. Right now the code is at GCC 5.0.0 for the GCC 5 branch but it will become GCC 5.0.1 when in the pre-release state and GCC 5.1.0 will be the first release from the GCC 5 branch, GCC 5.2.0 will be the second release from the GCC 5 branch, etc.