Why you should use Tumbleweed
Rolling release made easy

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openSUSE

Leap

Tumbleweed

Rock & Roll

openSUSE Tumbleweed

- Built correctly

- Tested well

- Delivered quickly

- Trusted more and more

Built correctly

- Built together as a cohesive distribution

- If a new package checked in that potentially can invalidate another package, then the dependant packages are rebuilt.

- Traditional distributions take days, we do it in hours

- Open Build Service (http://build.opensuse.org/)

- This produces a 'snapshot'. Traditional distribution call this a 'release candidate'.

- Tumbleweed does it about 5 times a week

Tested Well

- But building is only half the story. A good distribution needs to be tested.

- Arch and Gentoo rely on manual testers.

- openSUSE has openQA

- Before any human, openQA tests that snapshot over 100 times across four different hardware architectures (i586, x86_64, ppc64, and aarch64)

- openQA actually does proper real-world scenarios. Installations, upgrades, dual booting, encrypted LVM, kde, gnome, xfce, live CD's, network installs.

Tested Well

openQA results

Test	x86_64
RAID0	●
RAID1	●
RAID10	●
RAID5	●
awesome	●
boot_to_snapshot	●
cryptlvm	●
cryptlvm@uefi	●
dual_windows8	●
ext4	●
extra_tests_on_gnome	● multi_users_dm
extra_tests_on_kde	● multi_users_dm

Tested Well

- So every test checks that every screen looks the way we want it to look for users.

- Every function that is tested presses the same keys and clicks on the same mouse buttons that a user would, and then openQA confirms that piece of software behaves in the way it has been taught to expect.

- openQA does this for every step in installations & upgrades.

Tested Well

- We even do extra testing on incoming package submissions, so many cases we catch things before they get anywhere near a snapshot, and our developers get nice fast feedback about their otherwise potentially destructive change.

- Yes, we have implemented Continuous Integration for distributions, and if you were using OBS and openQA you could be doing it too.

- https://openqa.opensuse.org/

Delivered Quickly

- 1000's of tests, over 100 scenarios…and with our current hardware (thanks SUSE!) a full snapshot gets tested in about 3 hours.

- And IF IT PASSES, it ships, automatically.

- And a 'quiet' week can consist of approx new/updated 150 packages and a new kernel…

- A normal week is double, if not triple that, and it's moving faster and faster…

GNOME 3.20 released on March 23rd
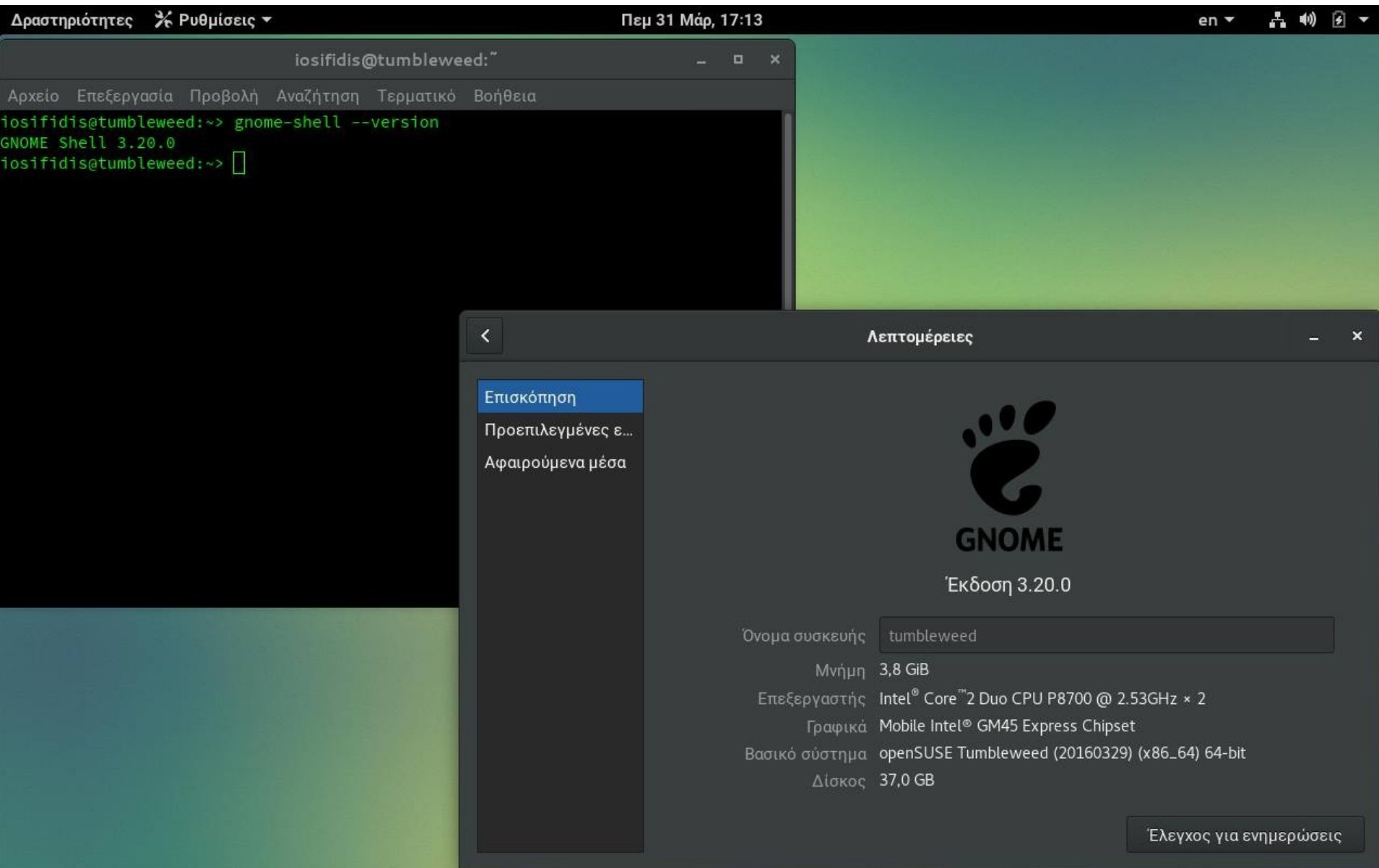
GNOME 3.20 released on March 23rd
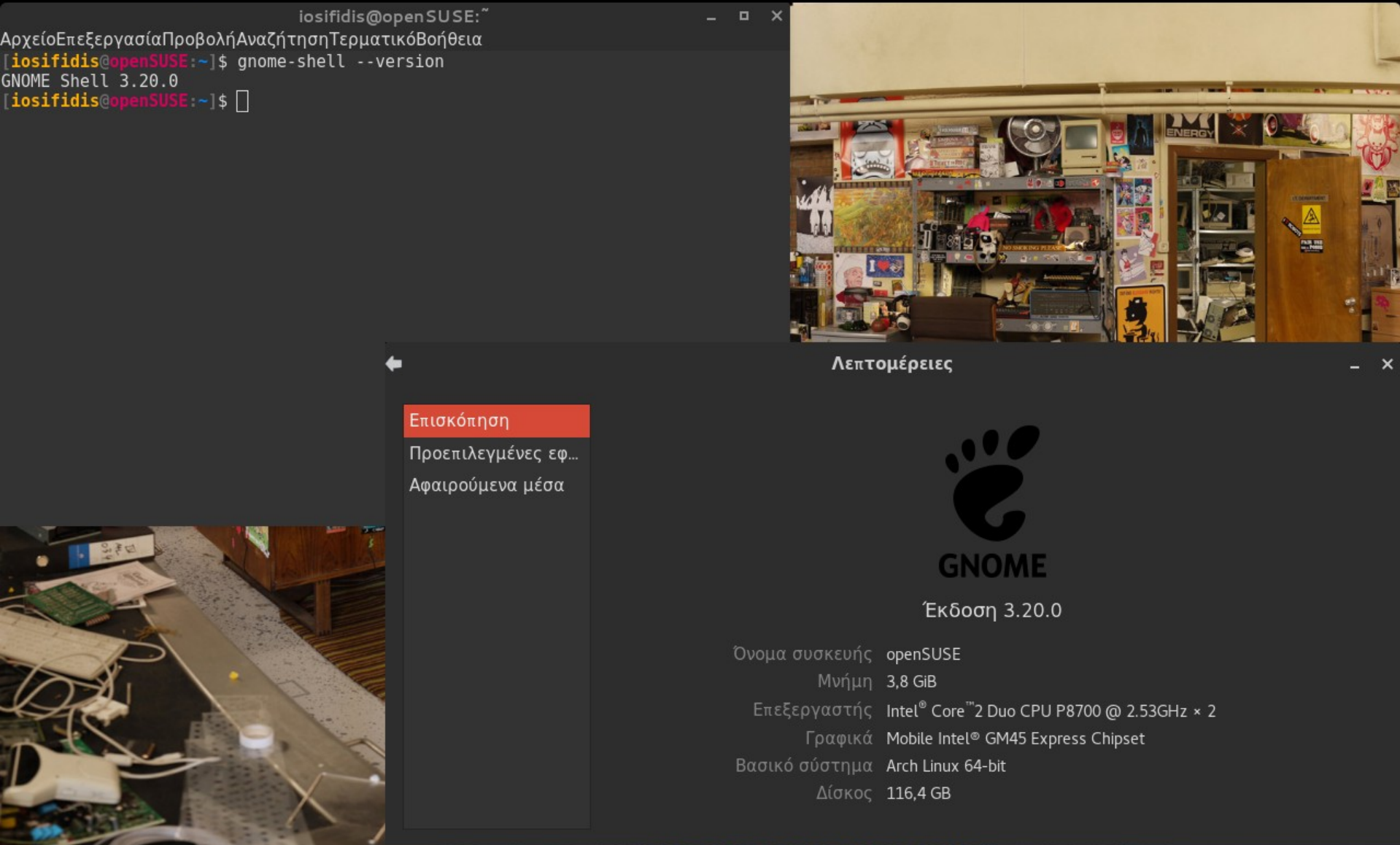
Delivered Quickly

- That's not universally true though, good testing finds bugs, those bugs need to be fixed, so if you ever notice something taking longer than you'd like, it's often a sign that we could do with more contributors helping Package that particular software.

- You can contribute to Tumbleweed even as end user.

Trusted by More and More

Tumbleweed Growth

— Factory — Old Tumbleweed — Sum / New Tumbleweed (after Nov 2014)
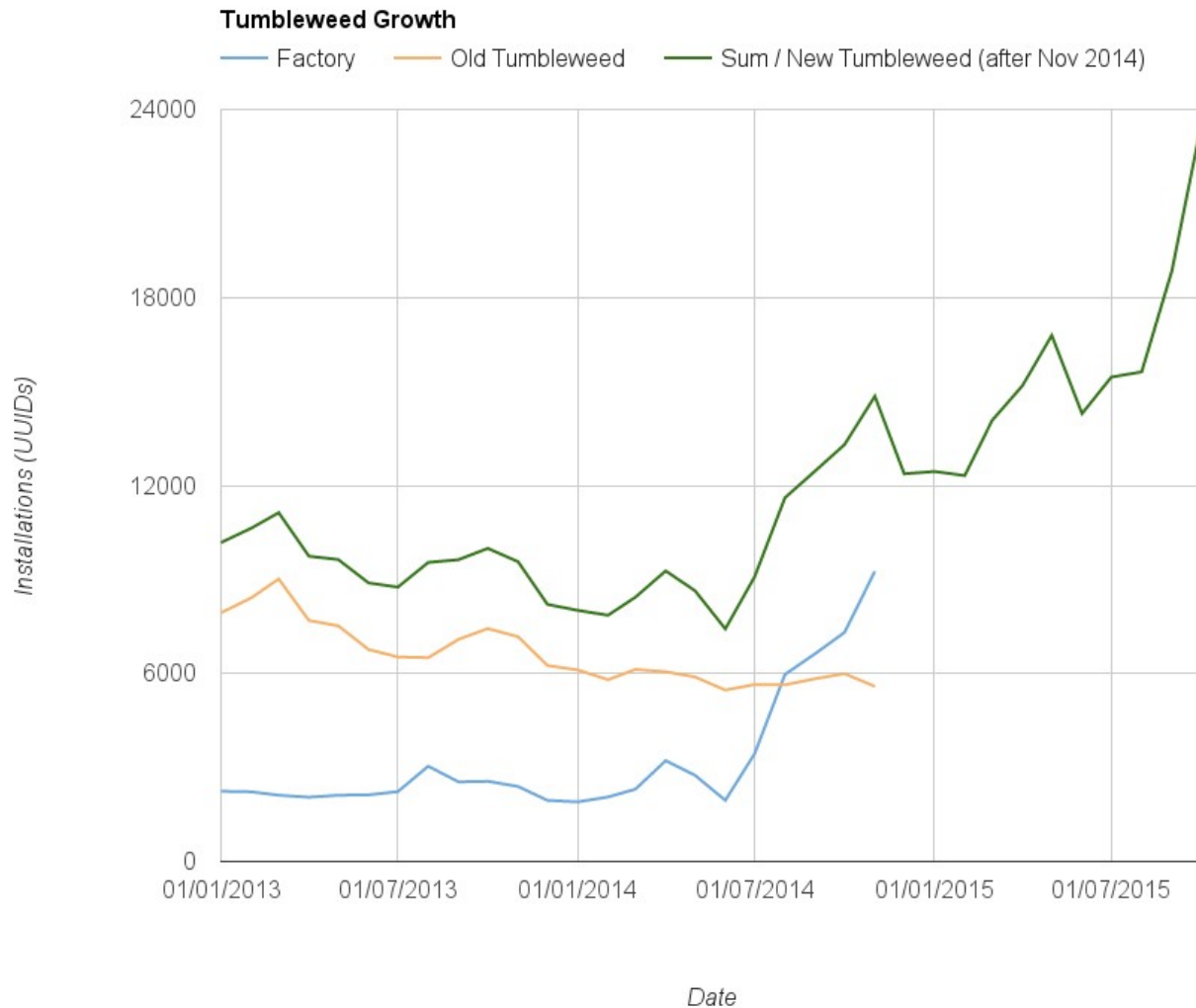
Trusted by More and More

- If public numbers are to be believed Tumbleweed might already be larger than 'more famous' rolling distributions. Whether or not that's true doesn't change one fact - We want YOU to try Tumbleweed.

- Companies like SoftIron who ship Tumbleweed on their Overdrive 3000 64-bit ARM servers, and Fujitsu who offer Tumbleweed as their chosen community Linux to customers with Skylake hardware.

- If you care about Linux, you want the latest packages, but you only want them when they actually work, Tumbleweed is the best choice.
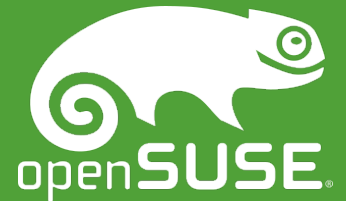
https://events.opensuse.org/conference/oSC16

June 22 - 26, 2016

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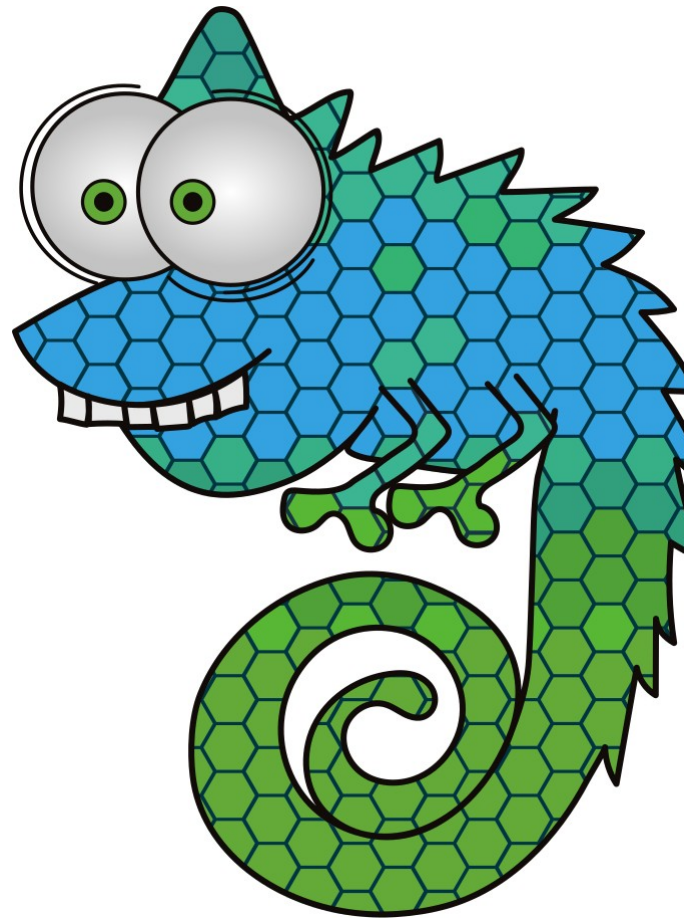Efstathios Iosifidis

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openSUSE

Join the conversation,
contribute & have a lot of fun!
www.opensuse.org

Thank
you.

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