

697 +16 -33 (709 +103 -82 +21 (over past 31 days)

16-01-2023 Meeting Agenda and Notes

Round-table participants

Add yourself to the list at the bottom of the document if you want to talk about what you're working on during the round-table session. (So I don't have to copy it every time; make your name bold, and add a colon (:) that is not bold after your name...)

Absent:

-

Meeting Meta

- Quick point: is anyone else interested in being in the rotation of meeting leads?

Rotation: [Halla, Emmet, Amyspark, Wolthera]

Today's Lead: Emmet

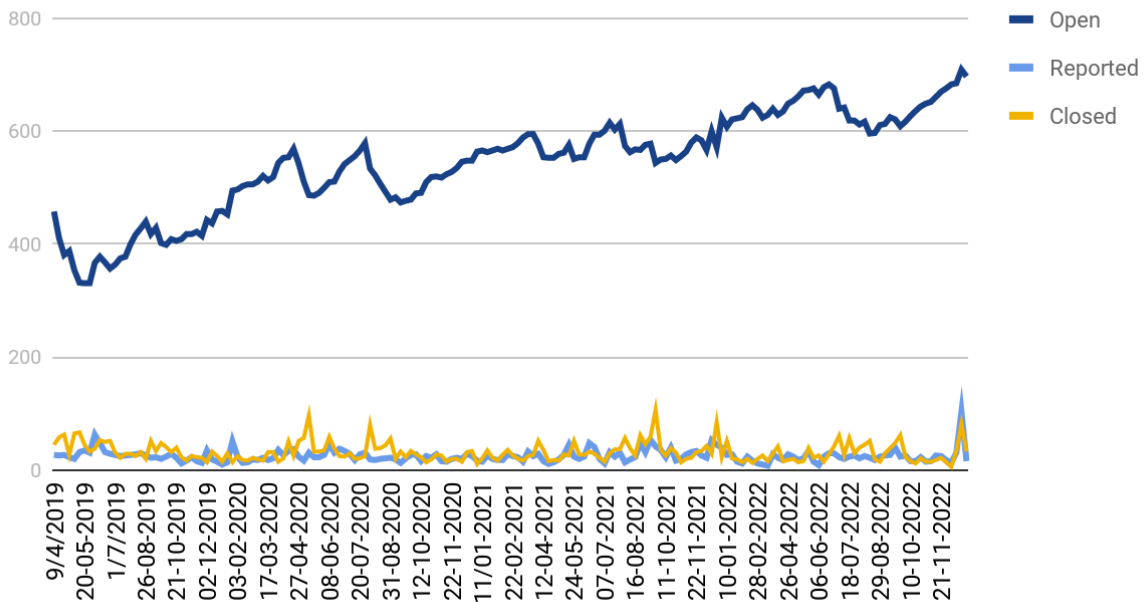
Next Week's Lead (i+1): Amyspark

Next Week's Backup (i+2): Wolthera

697 +16 -33 (709 +103 -82 +21 (over past 31 days))

Statistics

Bugs



Commits in the past week

- Excluding merges, **11 authors** have pushed **52 commits** to master and **63 commits** to all branches. On master, **171 files** have changed and there have been [4,568 additions and 5,155 deletions](#).
- (over the past month) Excluding merges, **22 authors** have pushed **189 commits** to master and **248 commits** to all branches. On master, **498 files** have changed and there have been [91,424 additions and 117,031 deletions](#).

Web

- Downloads (downloads.kde.org): **79388** unique downloads last week
- Web traffic: **184871** visits, **408467** unique page views last week
- Donations: **7792** in the past month
- Fund.krita.org: **190** subscribers (peak was 202, last week 188)
- Krita-artists.org: Pageviews last week - 277k
 - Active Users Last week - 844
 - Total Posts Last Week - 2.8k
 - Sign-ups - 19.4k
- Twitter: **63014** (59,186)
- Mastodon: **6967** (6854)
- [Peertube](#): **763** (755)
- <https://subredditstats.com/r/krita>

697 +16 -33 (709 +103 -82 +21 (over past 31 days))

Code Stuff

Regressions

- 18 [bugs marked as Regression](#) (-)
 - There are bugs for regressions in import/export filters that aren't yet marked as regression, Halla is trying to find them.
- Failing unit tests:
 - **KisHeifTest** (quantization + subsampling error)
 - Fixed in the PNG optimizations branch

Kirigami (sh_zam)

- Components change functionality completely (what was a grid now is a list)
- Bugs like "scrolling doesn't conform to the platform anymore" are getting introduced
- The library does not feel like something we can depend on.
 - We should report our findings on the kirigami matrix room/their issue tracker

Updating Dependencies

- Update to Qt 5.15 done
 - Bugs that might surface after the update are marked at QT 5.15 TEST
 - We might need to review whether we shouldn't tag now and then since cloning is sometimes very slow [amyspark]
 - discuss next week
 - ~~Failure on macos: all executables are built as x86_64, failing lipo and thus being missing from the ZIP~~
~~[2023-01-07T01:46:06.221Z] + cd~~
~~/Users/Packaging/KritaBuild//depbuild/ext_qt/ext_qt-prefix/src/ext_qt/qttools/src~~
~~e~~
~~[2023-01-07T01:46:06.221Z] + make sub-macdeployqt-all~~
~~[2023-01-07T01:46:06.221Z] make: *** No rule to make target~~
~~'sub-macdeployqt-all'. Stop.~~
 - ~~(Ivan) some executables have always been compiled in x86_64, this is normal, the error comes from a line I added to force make macdeployqt as it sometimes did not install. (testing compile without it atm)~~

697 +16 -33 (709 +103 -82 +21 (over past 31 days))

Merge Requests

- https://invent.kde.org/graphics/krita/-/merge_requests/1607 (Text branch) This is almost done, waiting for macOS, also, the [letter and word-spacing patch](#) got merged, which means we don't have to rely on my (wolthera's) fork anymore. Also, it looks like [FreeType is simplifying its relationship with Harfbuzz](#).
 - ivan has fixed most macOS issues, heif seems to be a problem. He will push the changes to the ffmpeg branch and cherry-pick them to the text branch.
 - we should first merge the ffmpeg and the text branch, fix the build issues, then merge to master
- https://invent.kde.org/graphics/krita/-/merge_requests/1599 (ffmpeg) Almost ready, just finishing up some platform and dependency stuff.
- https://invent.kde.org/graphics/krita/-/merge_requests/1718 (combined Wolthera and Emmet's 3rdparty changes) (Amyspark)
 - Please put all 3rdparty changes here, so that we can test macOS/Android and merge in one go
- Plugin optimization MRs, feel free to chime in (Amyspark):
 - https://invent.kde.org/graphics/krita/-/merge_requests/1686 (OpenGL tile conversion, needs Dmitry input re: flash of transparent canvas)
 - https://invent.kde.org/graphics/krita/-/merge_requests/1695 (PNG)
 - https://invent.kde.org/graphics/krita/-/merge_requests/1703 (PSD)
 - There's another upcoming for JPEG
- https://invent.kde.org/graphics/krita/-/merge_requests/1617 – there's now a phab task for the gui part (<https://phabricator.kde.org/T16123>).

Manual

- Urgent: we need to come up with a plan for deduplicating images in the manual. See the mailing list.
 - Looks like Sphinx may be using the exact same image folder between builds.
- ~~Made the request for Slovenian.~~

Website

- We need to update the banner on fund.krita.org: it says 2021 campaign goal.
- We need to update fund.krita.org: the braintree api we use will get disabled.
- Scottyp is working on a Hugo-based replacement for wordpress,
 - At this point, mostly waiting for the new infrastructure to be put in place for the new krita.org build pipeline. That needs to happen before the Mollie payments can start working for the new site. There is also a bit of work going on with making the KDE theme have a light/dark mode toggle.

697 +16 -33 (709 +103 -82 +21 (over past 31 days)

- Need to talk with Raghukamath and others to see if we need to revise any of the content. It was brought up and I want to do that before I get the new site all translatable.
 - <https://krita-artists.org/t/need-help-in-writing-polishing-and-editing-content-of-new-krita-org-website/52003>
- new site hooked into the KDE18n. New languages starting to appear in languages drop-down on top of site
- New location for repository on websites project:
<https://invent.kde.org/websites/krita-org>
- temporary build system going which publishes to <https://dev.krita.org/> (live now)
- A new build system is being worked on that will replace Jenkins...which will replace what is currently set up. Scott to work with bcooksley to eventually get that going

Release

Release procedure for stable releases:

- We release every other month
- Four weeks before we release, we close the merge window: only regression fixes are allowed
- Four weeks before the release, we will release a "beta".
- When we tag the final release, the merge window opens again

Releases:

We need to warn users about possible impact of the Qt update on the nightlies, stable and unstable.

5.2.0

- Release Notes: <https://krita.org/en/krita-5-2-release-notes/>
- Early next year
- **Need to properly start the release notes**
- Should contain:
 - Animation Audio + Bundled FFMpeg ("Safe" formats only – mergeable in 3 weeks)
 - Updated dependency set
 - New text shape
 - ...

697 +16 -33 (709 +103 -82 +21 (over past 31 days))

Youtube

- 62.7 k
- i have already 11min from 15 that i have in the script for the next video. Also i have redefined the SK1 bundle. Now the pencil is softer and have more advantages even without tilt. i will publish in KA and YT community tab on friday:)

Roundtable

- **Halla:** I looked into some bugs, I fixed a few small things, did admin stuff and checked some merge requests. I also prepared the palette MR and phab task.
- **Wolthera:** I triaged bugs, that's all.
- **Emmet:** As for me, I didn't have a very productive week. I had some problems building both the latest ffmpeg MR branch and the new meson consolidation MR branch, but it might just be an issue with my current system. I'll try to figure that out today. Otherwise, give input on the Palette Docker and looked at a couple of animation bugs.
- **Amyspark:** Here I've been cleaning up old branches and rebasing where possible, also dealing with the 5.15 fallout.
Found one issue regarding MSVC having ABI issues with Qt's strict iterators, and last night another one with Halla/tiar's JPEG error handler crashing right into the event loop. Turns out both ECM and OpenEXR insert an exception handler type that is slightly different from GCC's -fexceptions, which instead disables exception handling from extern "C" functions. The fix will go in my JPG branch, and I've already filed a bug with OpenEXR since they've not declared they insert that flag anywhere. This week I plan to finish JPEG's cleanup, and take note of G'MIC 3.20 having been just released, so I'll have to update patches and tarball them.
- **Sharaf:** Last week I looked into several Android bugs. First, the ones that were Qt related: I looked into a crash report I got from Krita-artists where Krita crashes upon opening a new document. I pushed a fix for it today (even though I had it fixed in Qt last week).
Next, I worked on bug 464082 (Stylus acting very slow). Turns out, it happened because we made events coming from Android thread Synchronous (which seems to be acceptable behavior on other platforms, because they only have one thread for both input and GUI). I've mentioned the reason as to why I believe this resulted in things being so slow on Android in the corresponding commit message:
<https://invent.kde.org/szaman/qtbase/-/commit/7ac26096c7686f039a8dcce38652e8822e5a44a8>.
In addition to the reason in the commit message, I also think that because Android has two threads, it resulted in Qt having to rely on waking/sleeping on Mutex which added to the slowness of trying to make events synchronous.
Then I worked on another issue with KConfig, where it couldn't save input profiles to arbitrary locations on Android. I sent them a patch, and they've accepted it. And I've

697 +16 -33 (709 +103 -82 +21 (over past 31 days)

pushed the patch to our repo (someone should run deps, all of them. Because I updated Qt as well). While doing this I also emailed kde's Android team about trying to make testing work on Android, so bugs like these can be caught without having to pull manual guns to handle it every single time. The status of that (mail) is that we're currently discussing how to run them, emulator etc.

Finally, I looked into bug 464015 because someone pinged me on KA. Amyspark's has submitted the patch for it. But I think it is worth mentioning that the bug was caused because char is unsigned on ARM! But the PackBits code explicitly required it to be signed (and since char is signed on x86 there was no bug on other platforms). That's all from me!

- **Dmitry:** I was not very active last week because of being sick and being too stressed by the residence permit issues :(I have updated the docker image scripts to include qt-creator in them, then reviewed some patches, then started the XSIMD documentation. The documentation is ready for about 70% now, I hope I will finish it this week.
- **Ivan:** I worked mainly on building/fixing master and dep-branches, it's a bit frustrating as sometimes the fail point is on the second run of the universal build. Aside from that I re-read my documentation for sandboxed save as I'm struggling to create a working dmg for it, then I looked around for bugs to fix. And read a lot of threads on KA most of them in the Develop area in search of ideas. And that's it.
- **Deif Lou:** Last week I reviewed some MRs. I also kept researching the PS stuff and hope to have the blending options tamed this week, with test apps.
- **Tiar:** I fixed my system, I finished up my MR for Spray engine in Lager (it still has one option not working correctly, waiting for dmitryK's review), and I ported Grid engine to Lager (Grid engine was easy so probably doesn't need much reviewing)

AOB

- Invitation to attend scale. Does anyone know anyone reasonable close, or should we do a call for table staff?:

697 +16 -33 (709 +103 -82 +21 (over past 31 days)

Hello,

Would the Krita project and your community be interested in a donated booth at SCALE this coming March?

SCALE is a community organized open source and free software conference held annually in the Southern California area. We cover FOSS topics ranging from free culture, to cloud native, security, DevOps, and more. This will be our 20th year running the event which regularly draws 3000-3500 attendees from around the world.

As a community / non-profit project, we would be happy to offer you a complimentary booth to promote your project at the event.

If you would be interested in joining us, please reply here or email us at info@socallinuxexpo.org.

We hope to see you at SCALE in March.

Cheers

- We need the more permanent fix of having a Stable-specific 3rdparty build, I've recall this happening also when we moved from 4.x to 5.x [ivan]

FYI

- [Halla] I started <https://krita.org/en/krita-5-2-release-notes/>
- **Deif Lou**: I just think it needs some mention the excelent job wojtryb has made in the Shortcut Composer plugin (<https://krita-artists.org/t/shortcut-composer-plugin-for-pie-menus-multiple-key-assignment-mouse-trackers-and-more/55314>). In my opinion A+ in function and looks (I didn't look much at the code, but it seemed well organized at first glance). I think it is a direction that krita could take regarding that kind of functionality.