

23-01-2023 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:

- Halla

Meeting Meta

Rotation: [Halla, Emmet, Amyspark, Wolthera]

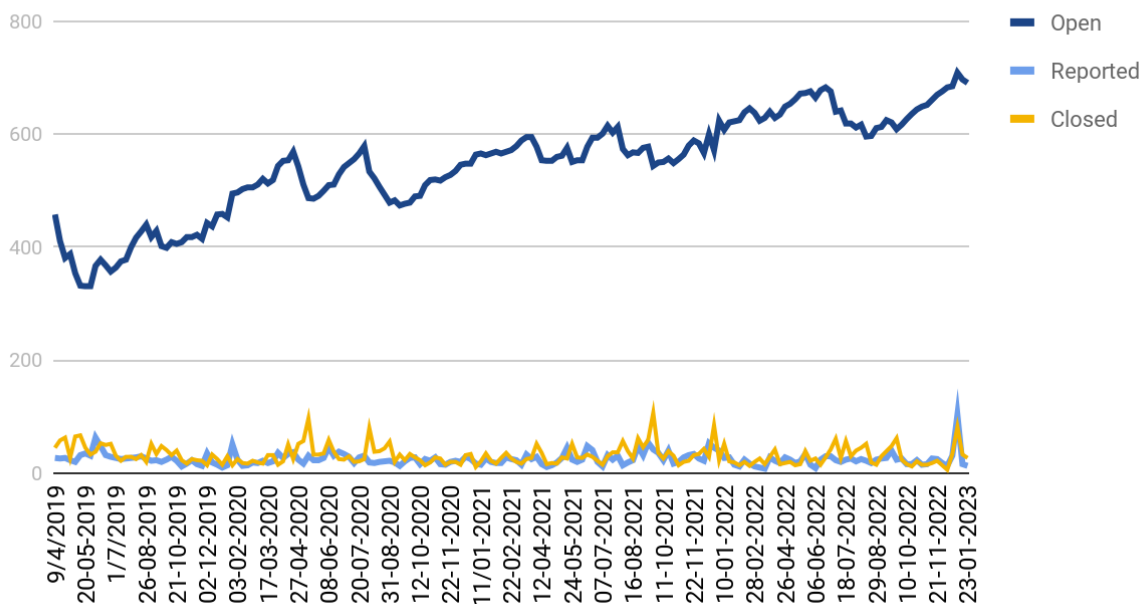
Today's Lead: Amyspark

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

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

Statistics

Bugs



Commits in the past week

- Excluding merges, **5 authors** have pushed **108 commits** to master and **122 commits** to all branches. On master, **271 files** have changed and there have been [43,350 additions and 40,070 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: **63,092** (63014)
- Mastodon: **7050** (6967)
- [Peertube](#): **759** (763)
- <https://subredditstats.com/r/krita>

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:
 - **TestLcmsRGBP2020PQColorSpace** (but nobody noticed...)
 - **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

Merge Requests

- Reverted: https://invent.kde.org/graphics/krita/-/merge_requests/1685
 - Amyspark does a new patch with downgraded GLSL version
 - Dmitry checks on two different Linux systems
 - Ask Lynx3d to test the package as well
- Upgrade requirements from Win7 to Win8:
 - We need to document what llvm-mingw version we should use
 - Check if Krita still builds fine without Windows 10 SDK
- 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.

- (amyspark) Ben realized they can fuse all the languages' folders and that'll clear up the unlocalized images automatically. There's no further action needed on our end.

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.
 - 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
- (Wolthera) Dark mode is ready: https://invent.kde.org/websites/krita-org/-/merge_requests/18

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
 - ...

Youtube

- we are 63.000 this week in YT
- I keep working on the video and set SK2.

Roundtable

- **Dmitry:** Last week I finished the XSIMD documentation: https://docs.krita.org/en/untranslatable_pages/optimize_image_processing_with_xsimd.html If you have any feedback or questions, please tell/ask. I haven't written the gather/scatter part, because I don't fully understand it. There is also a set of funny projects at the end of the doc. Then I just started fixing random bugs and crashes on bugzilla.
 - amyspark and dragonmux (i.k.o/users/dragonmux) will review the document
- **Emmet:** This week I was only able to solve some Linux FFMpeg branch dependencies building problems.
- **Wolthera:** Had to do some administrative things this week, I also tried to bug triage this week, but wasn't too successful. Instead, I read the XSIMD doc, did some research on text tool UX, and ended up figuring out how PSD stores text formatting data(<https://invent.kde.org/woltherav/krita/-/issues/25>). I don't think I'll work on that seriously until the majority of the text tool stuff is ready as it'd be a pretty decently sized project.
- **Ivan:** Mostly bug 464464 (https://bugs.kde.org/show_bug.cgi?id=464464), basically our python installation cannot be moved into the dmg, the paths get corrupted/lost. I'm sure I'm looking at this at the wrong angle, I first tried configuring sitecustomize but it all failed, then I checked every modified file during the dmg creating process, resigned, otool'ing. So far nothing, if someone could give me some fresh perspective that would be awesome.
 - Amyspark suggests checking the build configuration of the framework (there's a configuration file in the .framework, but can't recall the location) as it's hard coding the locations.
- **Sharaf:** I finalized my patches for bug 464082, then addressed MR !1603 (which changes android build). And finally worked on Bug 463599, where I had spent quite

some time. First trying to embed the widget in QScrollArea (because adding tiny arrow buttons at top/bottom-left/right, I believe would be really inconvenient on Android). But using QScrollArea with a widget which is manually painted came with its own complications so I ditched it and rewrote the custom code to use a simple QTableView and now everything works perfectly (kinetic scrolling, selection etc).

- **Tiar:** I was working on the porting of Spray engine to lager, implementing all the suggestions Dmitry and Freya left me in the MR.

I also worked a bit on Ellipses in perspective, the math is mathing but there is some bug where the brush doesn't comply to the shape at all, it might be a threading issue, I'll ask someone for review but first I'll make the code nicer since there is a lot of code there and could be overwhelming.

I also read the XSIMD documentation.

AOB

- 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]
 - (amyspark) ~~I asked halla if I could take care of it, haven't had access to my inbox yet~~
 - (amyspark) we would need to set the deps up in Gitlab directly, Jenkins is getting decommissioned. will email the mailing list to set a meeting up as regards this issue
- Would you support the idea of removing the "Cumulative Undo" feature?
 - ask on KA whether anyone uses it, get confirmation from Halla, then remove
- Reverting someone else's changes
 - have a grace period, if the failure is OS-wide revert and ask questions later, and Wolthera will try and write some examples of feature sets that should be squashed/kept to a minimum of commits
 - if it breaks someone's work, like, breaks the build, better not wait
 - if the person responsible for the patch (the author or the reviewer/approver) is available, then ask them, otherwise revert (if it breaks/blocks work)
 - grace period should be 1-2h > end of day if the person is available; otherwise revert happens (see below)
 - revert comes with a "breaks build: <link to snippets, log, etc>", possibly ccmail'd to the list
- Making code style changes
 - **Halla needs to be present for this; let's wait till next week**

FYI

- As an aside raghukamath wanted to tell that the Krita-Users matrix space had some changes. Due to inactivity all the unnecessary chatroom were closed and only one is active now (#krita-users-general:kde.org)