

06-03-2023 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:

- Sh_zam (in Australia)
- Ramon (doctor)
- Tiar (sick)

Meeting Meta

Rotation: [Halla, Emmet, Amyspark, Wolthera]

Today's Lead: Wolthera

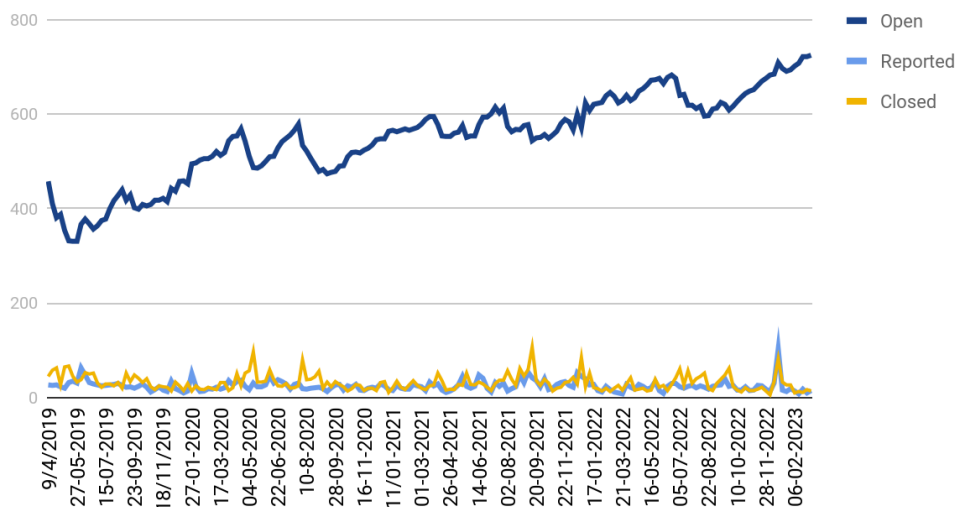
Next Week's Lead (i+1): Halla

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

Statistics

725 +15 -14 (722 +10 -17)

Bugs



Commits in the past week

- Excluding merges, **9 authors** have pushed **31 commits** to master and **39 commits** to all branches. On master, **142 files** have changed and there have been [23,504 additions](#) and [19,384 deletions](#).
 - Excluding merges, **8 authors** have pushed **109 commits** to master and **115 commits** to all branches. On master, **318 files** have changed and there have been [68,758 additions](#) and [70,497 deletions](#).

Web

- Downloads (downloads.kde.org): **71259** unique downloads last week
- Web traffic: **173974** visits, **374054** unique page views last week
- Donations: **6949** in the past month
- Fund.krita.org: **188** subscribers (peak was 202, last week 190)
- Krita-artists.org: Pageviews last week - 277k
 - Active Users Last week - 844
 - Total Posts Last Week - 2.8k
 - Sign-ups - 19.4k
- Twitter: 63311 (63224)
- [Mastodon](#): **7288** (7287)
- [Peertube](#): **763** (759)
- <https://subredditstats.com/r/krita>

Code Stuff

Regressions

- 16 [bugs marked as Regression](#) (-/-)
- Failing unit tests:
 - `libs-flake-TestSvgParser` (Failed)
 - `libs-flake-TestSvgParserCloned` (Failed)
 - `libs-flake-TestSvgParserRoundTrip` (Failed)
 - Fix awaiting upstream:
 <https://github.com/mm2/Little-CMS/pull/364>
 - `KisHeifTest` (quantization + subsampling error)
 - Fixed in the PNG optimizations branch

Bugs

- https://bugs.kde.org/show_bug.cgi?id=466582 (Vector Shape positions are floats, yet the interface pretends they are integers)

Updating Dependencies

- Deps are working on all platforms

- CI is broken: we need to ask sysadmin to install libunibreak in a sysadmin request.
- 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) we would need to set the deps up in Gitlab directly, Jenkins is getting decommissioned.
 - (amyspark update) we need to set some complex packaging rules, needs further research
 - (amyspark update 2) Ben means us to use GNU Make's `DESTDIR` macro, which is incompatible with CMake's Ninja generator and natively altogether on Windows
https://cmake.org/cmake/help/latest/variable/CMAKE_INSTALL_PREFIX.html

Merge Requests

- ~~Dmitry isn't here~~, but the Lager branch is nearing completion. ([Test packages on K-A](#))
 - (amyspark) He needs to decide if we're aiming for a Ben-merge or we can split the branch out for easier review/merging
 - We need to work around the problem that lager isn't available on all distributions: we cannot merge before it can be built on CI distros.
 - (tiar) About lager, most engines were written by one person and reviewed by another, so only a handful need a review, plus core (everything that Dmitry wrote)
- Amyspark needs testing on:
 - the OpenGL parallelization branch:
https://invent.kde.org/graphics/krita/-/merge_requests/1686
 - I need it in order to unlock the rest of the optimizations branches (they are tested with 4k images and above)
 - https://invent.kde.org/graphics/krita/-/merge_requests/1761 to fix FFmpeg import/export
 - https://invent.kde.org/graphics/krita/-/merge_requests/1748 to remove LibFindMacros (we can use official or roll our own tested modules, see each case)
- Tiar needs testing on:
 - https://invent.kde.org/graphics/krita/-/merge_requests/1563
- https://invent.kde.org/graphics/krita/-/merge_requests/1767 (text-in-shape)
 - Amyspark is going to run the tests.
 - wolthera should ping dmitry about polygon inflate.

Manual

-

Website

- 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 (30-01: this is still relevant).
- (scott 6 of march) Working with Phu trying to get light/dark theme support working on the new krita.org. Phu just merged a patch that adds a theme switcher to the "Aether Hugo" framework that KDE sites use...including the new krita.org.

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. (Done)

5.2.0

- Release Notes: <https://krita.org/en/krita-5-2-release-notes/>
- Early next year
- **Need to properly start the release notes**

- Will contain:
 - Animation Audio + Bundled FFMpeg (“Safe” formats only)
 - Updated dependency set
 - New text shape
- Should contain:
 - Format r/w optimizations (Amyspark)
 - Parallelized OpenGL canvas render (Amyspark)
 - ...

Youtube

- 64700 subs this week.
- The new video is done!
 - It comes with a blend file:
<https://files.kde.org/krita/extras/Pose%20Practise.blend>

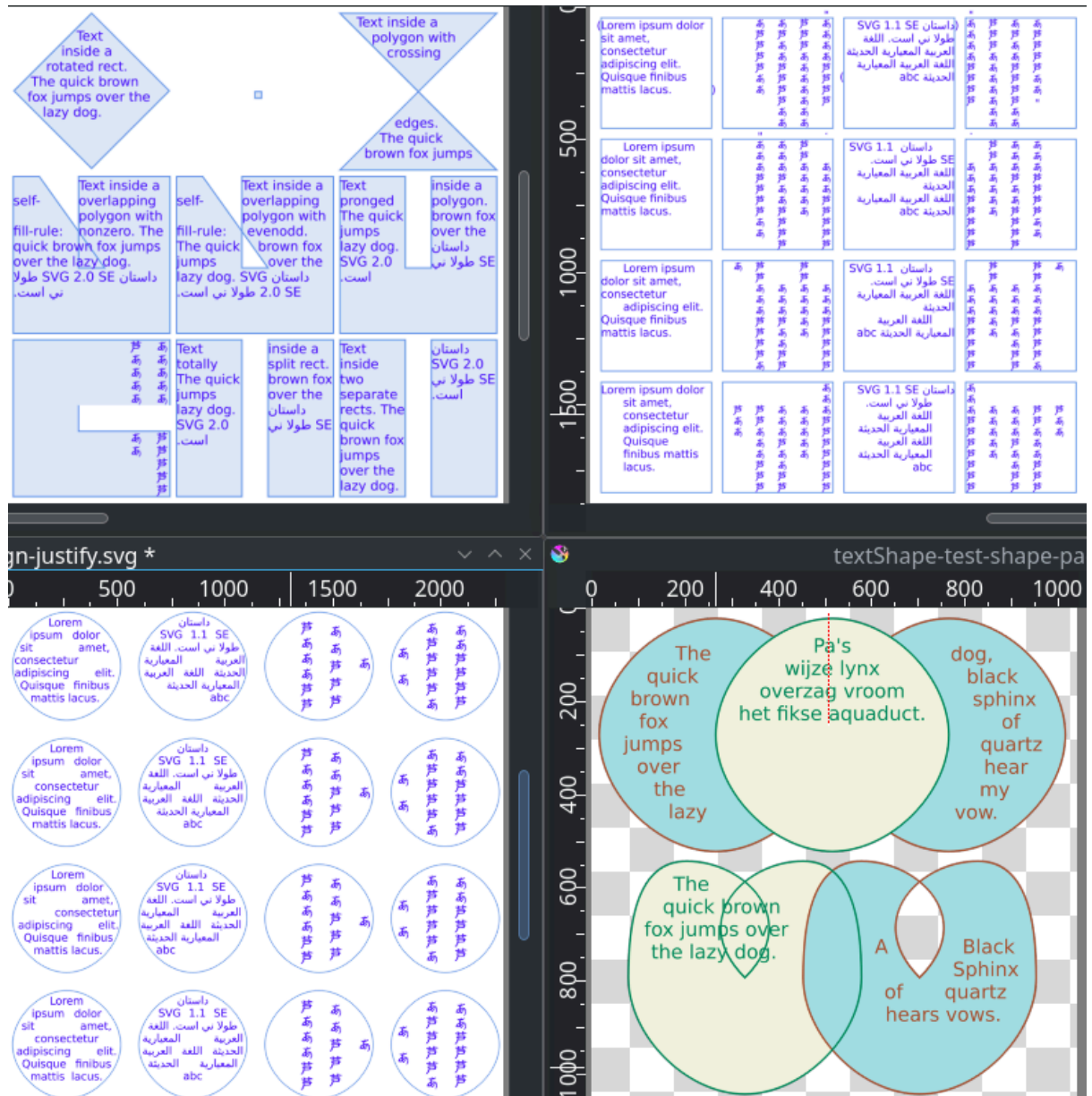
GSOC

- Mentor registration is starting soon.
- Contributor applications will open on **Monday, March 20, 2023 at 18:00 UTC** with a deadline of **Tuesday, April 4, 2023 18:00 UTC** to submit your application (including your project proposal).

Roundtable

- **Halla:** Last week: I did a little, very little, bug triaging and checked an MR, but completely misread it, sorry! On Saturday admin stuff. I actually started feeling better on Friday, and had a good weekend, and today I've done some bug triaging, fixed two bugs and did some work making the scripter dialog into a docker, because it sucked to have to open the scripter dialog every time I triaged a scripting bug and worked on the long-delayed 2022/2023 overview article for krita.org.

- **Wolthera:**



I spent the last week finishing up the code for the text-in-shape. It can now handle variable line-height, text-indent, hanging-punctuation, text-align and basic justification, all sorts of shapes to flow inside.

It can also handle shape-padding and margin, but this code is *really* slow (because it uses hacks) though correct. I tried finding a good polygon grow/shrink algorithm, but I couldn't really find one. (but dmitry's gonna help)

The tests it produces are correct however, so maybe someone else can take a look?

I haven't updated the render tests either as I wanted to be sure they're reproducible on someone else's device, so if someone could run the tests and share the results, that'd be great. (amy's gonna help :))

I will be off starting next Monday.

- **Emmet:** I think the matrix-IRC bridge is down because almost nobody can seem to see my messages. This week I spent most of my time fixing deps building errors on ubuntu 22.04, as I've been updating my krita-devbox development container to

ubuntu:latest. Turns out I was missing one of the Qt deps, and it was failing in a very subtle way...

- **Dmitry:** I have almost finished the move to Serbia... Airline company has delivered the lost display today, and it seems to be in one piece and work(!) :) So I hope to start working this week, though I will not be 100% effective, because I still need to do a lot of stuff to get a residence permit (which is complicated because Vika and Anna are ill). I will start with the MRs tomorrow.
- **Ivan:** This week I reviewed with halla the sent pkg and dmg as they reviewed as broken, however despite running profiler and take the app to run on 2 macs we could not get krita to hang. I did managed to test on another mac over the week and it took a little longer than expected. After that I started modifying krita saving code to work on sandboxed environments, it is stricter than android and im not sure if we should apply it to all macos installs or only in sandboxed mode since it doesn't seem to affect normal runs. This week I plan to: make krita stable build again on my box, fix the entitlements and file save issue, make the pkg, sign and submit to store. I probably will fail short on some fronts, and probably bug you all at some point. That's it! I also managed to get sick over the week and felt too tired to do anything until yesterday.
- **Srirupa:** For the Bundle Creator, I decided to go with the 4/3 window approach, where the first window would be for choosing resources, the second one for choosing tags, third for entering bundle details, and fourth for saving. Or just get rid of the 4th and directly add a Save button to the third window. Mock for reference: <https://docs.google.com/document/d/1qHtgssZraiUQLPn6M-ftSthOKBuyNTxbKFLj891oFEg/edit> Currently, I'm working on improving the UI of the tag selector part. I want it to have the following features. 1. Add a particular tag to all resources where it was present by default in Krita/or the existing bundle from which the new Bundle is created. (present in current Tag Selector in Bundle Creator) 2. View the list of selected tags for a resource type (present in current Tag Selector in Bundle Creator) 3. Add custom tags for a particular resource (Similar to what the + button does in Resource Manager's tag selector) 4. Select a particular resource of a resource type and view what tags it has (Similar to Resource Manager). But I need ideas on how to implement that. (sorry I think I was not visible during the meeting :()
- **Amyspark:** Not much news here, I'm helping Google report an optimization bug with AOM, and sent two MRs to Marti to fix issues with LCMS. (Halla's MD5 mismatch, and general MinGW compilation break.) Waiting on Dmitry and Emmet to review the stale MRs.
- **Sharaf:** Last week I worked on fixing a regression caused by one of my earlier patches (bug 463115), the bug fixed the tablet's proximity enter/leave events, but broke the s-pen buttons. So, I fixed that.
Then I worked on making file cache access slightly faster on Android, and also came up with a patch to allow users to quickly switch between some common locations on Android (I still need to do touch ups to the patch).
I also looked into bug 465199, which seems to be something caused by a deadlock somewhere in the animation system (where I may need assistance from Emmet, I've pinged them in the bug report). That's all!

AOB

- Making code style changes
 - **Halla and Dmitry need to be present for this; let's wait till that happens**
 - (amyspark) Filed Phabricator task for the first idea (remove use of std::bind): <https://phabricator.kde.org/T16180>
- Sharaf's new timezones make meetings hard for him.
 - Halla made a suggestion to use the meeting document to note questions and receive answers (and mailing kimageshop when this is updated).

FYI

- dmitry's moved to AMS timezone (utc+1).