

28-02-2022 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...)

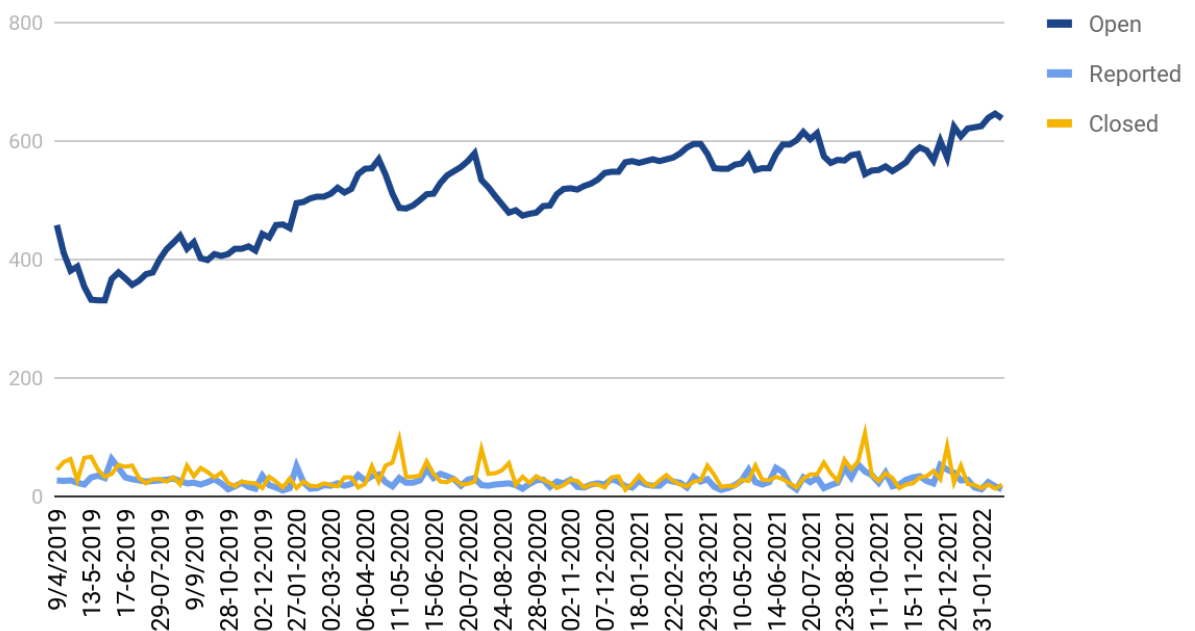
Absent

- Emmet, Eoin

Statistics

638 +12 -20 (646 +17 -13)

Bugs



Commits in the past week (copied from github):

- Excluding merges, **14 authors** have pushed **41 commits** to master and **118 commits** to all branches. On master, **128 files** have changed and there have been [1,755 additions](#) and [463 deletions](#).
 - Excluding merges, **10 authors** have pushed **63 commits** to master and **94 commits** to all branches. On master, **198 files** have changed and there have been [4,898 additions](#) and [3,414 deletions](#).

Web

- Downloads (downloads.kde.org): **83,66** unique downloads last week.
- Web traffic: **194,303** visits, **428,671** unique page views last week
- Donations: **5580** in the past month
- Fund.krita.org: **198** subscribers (**202** previously)
- Krita-artists.org: Total users - 14.3k (All time) Total Post - 122k (All time)
 - Active Users Last week - 217
 - Total Posts Last Week - 1.6k
- <https://subredditstats.com/r/krita>
- Failing unittests: **0**

Bugs and Merge Requests

- https://bugs.kde.org/show_bug.cgi?id=449122 – need feedback from testers.

Merge Requests

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Manual

- Raghukamath has polished the manual through a lot of smaller fixes.

Website

- Weekly or biweekly development update (Halla)
 - Stalled...
- Listing Krita communities on our site, like blender (Ivan)
 - We can make such a page, Ivan will be the contact person and will maintain the page.
 - [🚢 T14559 New community page added to krita.program](#)
 - We should discuss krita.org's technology choices here, too.
 - *Stalled since June 2021?*
 - (halla) First prepare text and possibly images -- and then when you have content, it can be poured into a design?
 - (ivan) will get into content and ping scottyp for ideas
- Scott also wants to reorganize and update the design and content of krita.org a bit. For one, we want to integrate all the funding stuff better into the site instead of it. I think always having it be in the top banner is going to make it hard when we want to promote something else. I could make a task to start a discussion on some ideas and issues I think need to be addressed. Other people can give their feedback as well. [🚢 T14731 Update design/content on 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:

5.0.1/2

- Still need to do apple app store – again

5.0.4

- Tagged from krita/5.0
- Please backport anything that's safe
- Only new strings if they fix a bug
- Freeze 28-2, beta 7-3, release 14-3

5.1.0

- Release date:
 - May 1st String Freeze
 - May 7th Freeze
 - May 20 release
- Will contain:
 - TIFF Photoshop support:
https://invent.kde.org/graphics/krita/-/merge_requests/944
 - G'MIC for Android: https://invent.kde.org/graphics/krita/-/merge_requests/848
 - build support is **disabled**, it only takes an oneliner to enable
 - Reworked metadata system
 - Image format prioritization:
https://invent.kde.org/graphics/krita/-/merge_requests/1296
 - GSoCs
 - Milestones: <https://invent.kde.org/graphics/krita/-/milestones/3>
 - Preferences layout changes:
 - https://invent.kde.org/graphics/krita/-/merge_requests/1328

5.2.0

- Should contain:
 - Port to xsimd (wip from amyspark)
 - Requires addition of masked loads/gather-scatter upstream
 - Not yet available
 - One-ring KisConfig class for centralized thread safe configuration management (wip from amyspark too)

Youtube

- 50k subscribers

Roundtable

- **Halla:** So, I've started trying to do some coding again. I made a huge mess of the resource location branch, so I have to redo that and the merge request, I think. I intend to write a dev blog report of Monday's meeting, but haven't had the energy yet.
- **Wolthera:** I spent last week on getting the psd branch (https://invent.kde.org/graphics/krita/-/merge_requests/1309) finished, complete with unit tests. I also realised that there's a stupid bug regarding mimetypes for kpl palettes that I'd like to be able to fix this week. Currently in Deventer, partially to avoid Mardi Gras/Carnival, but we've been discussing the text project here too. Still need to look at https://invent.kde.org/graphics/krita/-/merge_requests/1330 as well.
- **Dmitry:** I had (and still have) huge concentration problems last week because of the stuff around here. Though I fixed some bugs. I also made sure that all the tests in master pass. Today bcooksley updated the base image for the ApplImage, so it now has new deps based on Ubuntu 18.04. My plan is to also update GCC from 7.x to GCC 11.x after we release 5.0.3. (amyspark) libxl *will* need at least GCC 9 because of its SIMD shenanigans, and if we factor xsimd in, we better move (and break things) sooner than later. (...) (halla:) Wait until after release
- **Srirupa:** This week I created a Merge Request for my SoK Project: Adding a Perspective Ellipse Assistant Tool. Link: https://invent.kde.org/graphics/krita/-/merge_requests/1343. Last couple of days, I mostly spent time reading about transformation matrices (Dmitry helped!), cleaned up a bit of code, and started understanding the code related to snapping. Also, I have looked a bit into the mathematics involved in finding out the equation of the transformed ellipse.
- **Tiar:** I finished and merged both !1332 and !1312. Backported all commits. Started to work on comic panels and assistants, for now just more research than programming. I created T15305 and updated T13380 to the current state. I created post on KA about comic panels <https://krita-artists.org/t/new-feature-comic-panels-tool-layer-asking-for-wishes-needs-and-ideas-of-comic-artists-and-others/37335> and then I got two answers that were only about long webcomics (despite me writing it's not about that) so I created another thread for other comic ideas - <https://krita-artists.org/t/comic-workflow-general-ideas-and-feature-requests-including-long-webcomics/>
I need more ideas for how to make assistants very easily available (just toggling view and effect) without a need to go to the assistant tool. There are some ideas already, I just want more varied ones ;)
Also I started to make a prototype for comic panel layer. Got a bit lost in how to build a projection, would appreciate help from someone who know this part of Krita more (I'm doing a special layer with very special way of building protection)
And I checked Coverity, I'm making a Coverity build, is it fine to upload it without asking? Would it be fine if I added new components in the dashboard, too? Like one for resources, for example? To isolate areas of interest.

- **Ivan:** I spent most of my week reading and fixing krita in macos Sandbox. It is more restrictive than I anticipated. We can't use any location outside the sandbox unless the user uses an open/save dialog, and the file url can't be touched. This breaks file backups on the same directory and other stuff like file-layers. I can write from a sandboxed env just fine now, but recent documents needs the use a bookmark api that so far is not working on my tests). Also there is an api to work with file-layers but it needs to go through a open/save dialog to allow access. on the good news, we can use a transitional entitlement to allow access to home, but this will not solve mounted media :/. Aside from that I tried to fix Python debugger, however it needs someone more versed on python. I think for macos we should disable it to avoid getting another rejection. On the relocatable deps, I found a problem with my rpath stripping and also the deps need to be signed to be of any use outside my mac.
- **Sharaf:** Sadly, the week turned out to be pretty much an unplanned vacation. I was sunk in the paperwork and waiting involved with getting a driving license. That's all really :(
- **Amyspark:** Ok, so last week I got wind of MSYS builds failing from Reptorian. They sent me a K-A thread describing the errors, so I spent some time before libjxl fixing them. I ended up discovering that MSYS2 had intentionally (but un-intentionally in the fallout) broken Clang aliases to GCC, hence taking down everything MinGW-related: <https://github.com/msys2/MINGW-packages/issues/10800> Took them a week to release a patch package, in the meanwhile I added the relevant workarounds so that our builds could work correctly. It also enabled me to find a good chunk of patches from master that hadn't been ported to the stable branch.
A friend also sent me a call for proposals to a German online conference, they'd love me to talk a bit about the cursedness of YCbCr profiles. I've sent the proposal and am preparing a draft of the slides to gauge how much time I could have.
Regarding Intel's libjxl project- I set up libjxl, it needed quite a bit of massaging to fit in our 3rdparty pipeline. It also led me to discover that GCC 7.x doesn't cut it anymore, because the Google Highway library assumes AVX512 is available. To have a working base, I started porting WebKit's decoder class (BSD-3-Clause) to our impex system; so far it's going fine. I need to finish mapping the properties they use, and figure out how to pass the animation attributes to the layers.
- **Ramon:** 50k subscribers, working in inkscape to create vector libraries, plans streaming session with the community.

AOB

- GCC upgrade for binary factory: after 5.0.4.

FYI

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Next week

- Halla
- Backup: Emmet

