

# 08-08-2022 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...)

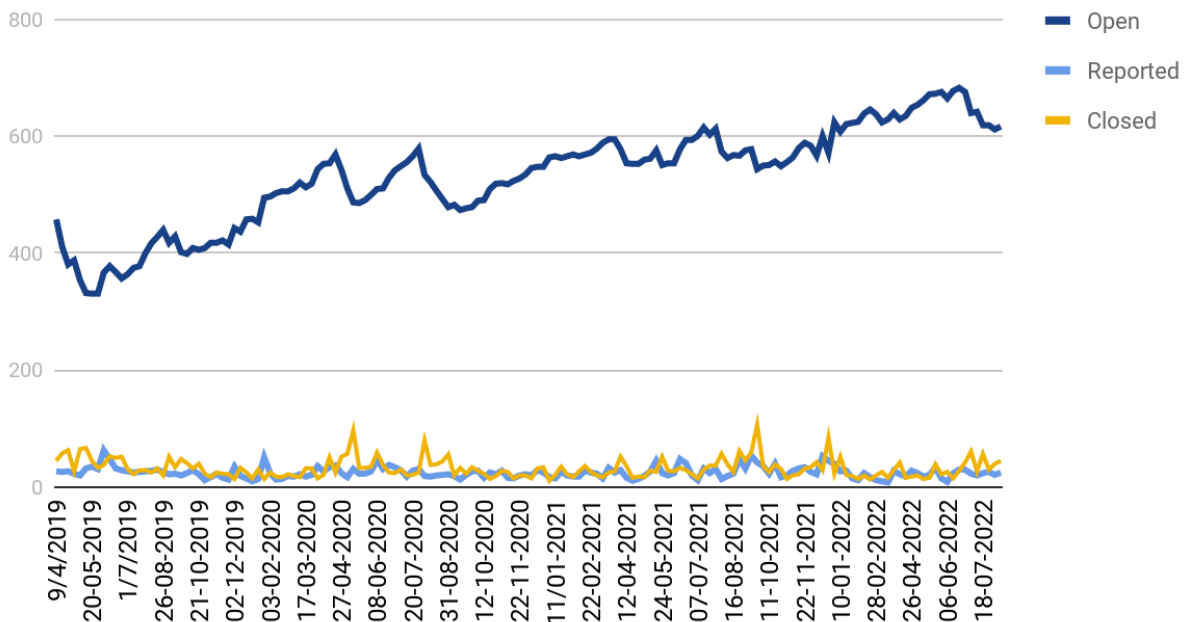
### Absent:

- Emmet (vacation)
- Eoin (vacation)
- Agata

## Statistics

617   +25   -45   (612   +21   -40)

### Bugs



### Commits in the past week

- Excluding merges, **10 authors** have pushed **36 commits** to master and **61 commits** to all branches. On master, **112 files** have changed and there have been [899 additions and 553 deletions](#).
- Excluding merges, **5 authors** have pushed **20 commits** to master and **41 commits** to all branches. On master, **40 files** have changed and there have been [649 additions and 247 deletions](#).

## Web

- Downloads (downloads.kde.org): **77,023** unique downloads last week.
- Web traffic: **172,669** visits, **387,523** unique page views last week
- Donations: **4312** in the past month
- Fund.krita.org: **184** subscribers (+2, peak was 202)
- 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
- Twitter: **53,777 (53,740)**
- <https://subredditstats.com/r/krita>

## Code Stuff

- 11 [bugs marked as Regression](#) (-1)

|                        |                         |      |                                                                                                                                       |
|------------------------|-------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">437429</a> | dimula73@gmail.com      | ASSI | <a href="#">Broken color display in the Palette docker with an active OCIO config</a>                                                 |
| <a href="#">457270</a> | krita-bugs-null@kde.org | CONF | <a href="#">Line tool: shift-line doesn't support pressure sensitivity</a>                                                            |
| <a href="#">441216</a> | krita-bugs-null@kde.org | CONF | <a href="#">Painting over a reference image shows rectangular artefacts around the cursor if fractional HiDPI scaling is enabled.</a> |
| <a href="#">452662</a> | shzam@sdf.org           | ASSI | <a href="#">Two-finger pan/rotate gesture glitch with changing touch points</a>                                                       |
| <a href="#">456351</a> | krita-bugs-null@kde.org | CONF | <a href="#">Beta 5.2 1 : Flashing line while using polygon tool / polygon selection / Multibrush (origin line)</a>                    |

|                        |                         |      |                                                                                                                                   |
|------------------------|-------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">455243</a> | krita-bugs-null@kde.org | REPO | <a href="#">Two finger drag "zoom and rotate" and one finger drag "pan canvas" does not continue seamlessly</a>                   |
| <a href="#">446889</a> | krita-bugs-null@kde.org | REOP | <a href="#">Layer visibility changes should not be included in the undo stack (or behavior should be optional)</a>                |
| <a href="#">454979</a> | krita-bugs-null@kde.org | ASSI | <a href="#">User Interface: HSY setting in "Configure Krita" being out of space and collapse/cut off</a>                          |
| <a href="#">451424</a> | krita-bugs-null@kde.org | REPO | <a href="#">Canvas inputs not recognised after changing virtual desktops on kde plasma (5.1.0 prealpha e75d194a75)</a>            |
| <a href="#">447230</a> | krita-bugs-null@kde.org | CONF | <a href="#">Line tool is not working with Airbrush presets. Sometimes it's half done or the result line is not appear at all.</a> |
| <a href="#">446623</a> | griffinvalley@gmail.com | ASSI | <a href="#">FGtoBG gradient has incorrect preview in the gradient chooser</a>                                                     |

- Failing unit tests:
  - **Builder (-1):**



[projectroot.libs.libkis.tests.libs\\_libkis\\_TestDocument](#)

## Bugs

- [https://bugs.kde.org/show\\_bug.cgi?id=455662](https://bugs.kde.org/show_bug.cgi?id=455662)
  - We should just disable the android style

## Merge Requests

- Worried about [https://invent.kde.org/graphics/krita/-/merge\\_requests/1525](https://invent.kde.org/graphics/krita/-/merge_requests/1525)
  - Dmitry says "merge it"
- [https://invent.kde.org/graphics/krita/-/merge\\_requests/1500](https://invent.kde.org/graphics/krita/-/merge_requests/1500) needs testing on macOS
  - Halla will test

# Manual

- No decision yet on the traditional Chinese manual build (not urgent, the translation isn't progressing very fast)
- Manual should be branched for 5.1 – Tyson reports that translations have disappeared or regressed: [https://bugs.kde.org/show\\_bug.cgi?id=457611](https://bugs.kde.org/show_bug.cgi?id=457611)

# Website

- We need to decide which payment processor to use
- Scott started adding the intel logo to [krita.org](https://krita.org). It is hidden right now, but ready to go.
  - Input is needed as to the formal announcement, Scott will write to Halla about it
- Scottyp is working on a Hugo-based replacement for wordpress, but there's a lot of media, too much to fit in the git repo – all of that should go into a CDN, but one that is accessible to everyone who should be able to update the website.
  - lots of progress here: assets are on KDE's CDN now
  - needs testing now to make sure it is easy to post news
- 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](#)
- We really need to discuss the funding options. ^

# 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:

### 5.1.0

- Release date:
  - ~~Second beta this thursday~~
  - RC next week, release two weeks after that
- Will contain:
  - TIFF Photoshop support: [https://invent.kde.org/graphics/krita/-/merge\\_requests/944](https://invent.kde.org/graphics/krita/-/merge_requests/944)
  - G'MIC for Android: [https://invent.kde.org/graphics/krita/-/merge\\_requests/848](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](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](https://invent.kde.org/graphics/krita/-/merge_requests/1328)
  - port Vc -> xsimd: [https://invent.kde.org/graphics/krita/-/merge\\_requests/1404](https://invent.kde.org/graphics/krita/-/merge_requests/1404)
  - JPEG-XL support: [https://invent.kde.org/graphics/krita/-/merge\\_requests/1363](https://invent.kde.org/graphics/krita/-/merge_requests/1363)
    - does NOT include HDR; Halla says this will go on 5.2
  - library update: [https://invent.kde.org/graphics/krita/-/merge\\_requests/1370](https://invent.kde.org/graphics/krita/-/merge_requests/1370)
  - Windows compiler update: <https://phabricator.kde.org/T15455>
    - [https://invent.kde.org/sysadmin/binary-factory/tooling/-/merge\\_requests/296](https://invent.kde.org/sysadmin/binary-factory/tooling/-/merge_requests/296)
  - ANGLE update [https://invent.kde.org/graphics/krita/-/merge\\_requests/1373](https://invent.kde.org/graphics/krita/-/merge_requests/1373)
  - TIFF JPEG + YCbCr compression: [https://bugs.kde.org/show\\_bug.cgi?id=454241](https://bugs.kde.org/show_bug.cgi?id=454241) and [https://bugs.kde.org/show\\_bug.cgi?id=454116](https://bugs.kde.org/show_bug.cgi?id=454116)
- We can reuse deevad's release videos, he'll share those with wolthera
  - if wolthera needs more for the release announcement, she can ask deevad for more videos

### 5.1.1

- Should contain:
  - WebP animation and metadata support: [https://invent.kde.org/graphics/krita/-/merge\\_requests/1468](https://invent.kde.org/graphics/krita/-/merge_requests/1468)

## 5.2.0

- Should contain:
  - HDR JXL + reusable xsimd dispatcher:  
[https://bugs.kde.org/show\\_bug.cgi?id=454283](https://bugs.kde.org/show_bug.cgi?id=454283)
  - One-ring KisConfig class for centralized thread safe configuration management (wip from amyspark too)
  - Animation Audio + Bundled FFMpeg ("Safe" formats only)

## Youtube

- 55.800 followers
- Getting a lot of positive comments
- Next video will be about gesture drawing ([https://en.wikipedia.org/wiki/Gesture\\_drawing](https://en.wikipedia.org/wiki/Gesture_drawing)): Ramon is finishing the script and will start recording this week
- There is another bundle for this video: ramon suggests pre-publishing them, halla suggests doing a call for artwork with this bundle
- <https://krita-artists.org/t/pencil-sketches-new-techniques/32259/15?u=ramonm>
- Ramon is also preparing a script for Part II of brush creation

## Org Stuff

- I need id's from everyone after all
- Emmet and Dmitry's proofs of residence weren't good enough

## Roundtable

- **Tiar:** I finished the MR for the resource folder, I fixed and merged the last MR for assistants, and I worked on snapping assistants to each other.
- **Halla:** As for me, I fought with the release last week -- Android turned out to be broken, but I can restart the release build for that now. I also did a lot of bug triaging and a bit of bug fixing. Then on Saturday I paid everyone who sent me an invoice. And on Sunday I finally wrote the development update that I'd been procrastinating on for ages. Maybe that was a good thing, because now I could link to all the merge requests.
- **Dmitry:** I spend the entire week tracking down the two undo crashes we have (which are the only release blockers). I've spent two(!) days on building ASAN-based Windows packages, but it seems like they haven't helped. I think I have a fix for one of the crashes. Though the other one is still a mystery. The main problem is that the reiother bug is reproduced by multiple people :(
- **Wolthera:** I branched the manual, fixed some leftovers. Did some minor bug triaging. Then I did some mentoring stuff. And I helped out with some forums related things. I still

need to answer amyspark's email, but I have an important appointment tomorrow that's taking up my headspace, so there's a little delay there.

- **Ivan:** I've been recently changing my schedule to work at nights, I cannot concentrate during the day as there is too much hussle around. On Coding I could not start a MR, I scrapped the things I tried before for krita to work on a sandboxed env, krita should now ask for permissions on first time run from sandbox. I haven't finished that yet. I worked on a couple of bugs: bug 419000 is random and is not related to bug 450416 or bug 409937 still no solution I'm not sure how to debug these events :/; bug 432685 which I cannot trivially translate as the comment and some other docs suggest (I can change the BundleNameID to Crayola though), It may be we are overriding something, but I could not find documentation about it or anything obvious in the code. I also spend a lot of time reading a certain topic in KA, and I see there is one entry on AOB about it :)
- **Sharaf:** Sadly, for most of the week I was sick. But on the weekend Friday and Saturday, I was able to get some work done. I fixed the android builder, which were broken by the Android's Gradle plugin update. Then I fixed some other trivial bugs with Android (like bug 457557).
- **XuChe:** I've went into some problems, my code currently makes a chunk of pixel, and it doesn't provide any information on the order to draw these pixels, which will break functions related with KisDistanceInformation, for example, dab spacing. I said I've fixed it a while ago, but I was wrong, my fix was buggy on some small shapes. I've been looking into how spacing and KisDistanceInformation work this week. My current idea is to use a heuristic way to give each pixel a approximated distance. for now, it's not working so well. I also have a backup plan, imitate a pen drawing an ellipse by maintaining a pen tip coordinate, and move the pen tip towards the direction of ellipse, so I will be able to get the drawing order in the first place. I think this is guaranteed to work, but involves a lot refactoring, hope I can make the previous method work. This would also be a good topic for my blog once I solved it. btw, I'm moving back to wuhan on 8.12, so I can make more progress before next meeting.
- **Reinold:** This week I fixed a few issues with trying to make my initial svg file. I figured out that is my use of the QIODevice and me not really passing it to the svgWriter. Then I had a discussion with wolthera about how the node visitor works in Krita. After that I had a better understanding on how the other file plugins worked and I started to implement the `KisScalableVectorGraphicsSaveContext` and `KisScalableVectorGraphicsSaveVisitor` classes. I also started a blog post that I should publish by the EOD.
- **Amyspark:** (dealing with stuff here, sorry for the delay...) I'm not yet back into the work mindset, but I managed to complete the basic works for the multiarch refactor. The code for dispatching now lives in a single kritamultiarch library and there's a single source of truth for the configuration, enforced by the compiler's thread lock infrastructure. While I wait for Intel to send me the JXL test files, I want to have the dispatcher support callables as well as classes, so I'll work on that during the week.

## AOB

- Weekly reports and communicating changes [wolthera]
- Some updates and KA [raghu]
  - Halla: we should bundle the weekly updates and have one update article a month on krita.org
  - Deevad: please ping me if you need small videos or screenshots for the updates
- Question about automated builds for MR (manually triggered) [raghu]
  - This is something sysadmin also wants, Dmitry is worried that it will be too costly
- [amyspark] G'MIC 3.1.5+ is ready but will be released after 5.1

## FYI

- Remember to backport your bug fixes to krita/5.1 with ``git cherry-pick -x [commit]``

## Next week

- Wolthera