# 08-08-2022 Meeting Agenda and Notes

# Round-table participants

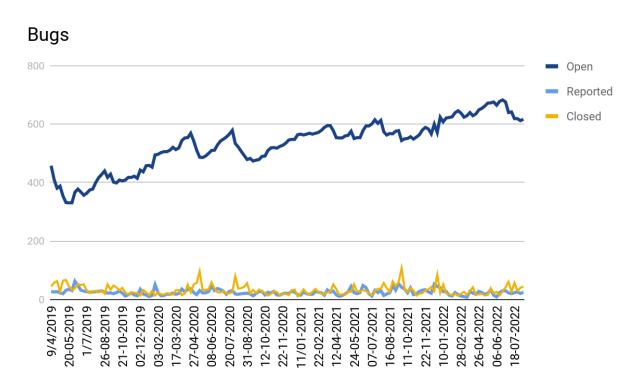
Add yourself to the list at the bottom of the document if you want to talk about what you're working on during the round-table session. (So I don't have to copy it every time; make your name bold, and add a colon (:) that is not bold after your name...)

### Absent:

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

## **Statistics**

617 +25 -45 (612 +21 -40)



### 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)

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

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

- Failing unit tests:
  - o Builder (-1):
    - projectroot.libs.libkis.tests.libs libkis TestDocument

# Bugs

- <a href="https://bugs.kde.org/show\_bug.cgi?id=455662">https://bugs.kde.org/show\_bug.cgi?id=455662</a>
  - o We should just disable the android style

# Merge Requests

- Worried about <a href="https://invent.kde.org/graphics/krita/-/merge\_requests/1525">https://invent.kde.org/graphics/krita/-/merge\_requests/1525</a>
  - o Dmitry says "merge it"
- <a href="https://invent.kde.org/graphics/krita/-/merge\_requests/1500">https://invent.kde.org/graphics/krita/-/merge\_requests/1500</a> 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: <a href="https://bugs.kde.org/show\_bug.cgi?id=457611">https://bugs.kde.org/show\_bug.cgi?id=457611</a>

## Website

- We need to decide which payment processor to use
- Scott started adding the intel logo to 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.
  - \$\frac{1}{2}\$ 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. <a href="https://proceedings.org/linearing-start-sta
- 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
  - o 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: <a href="https://invent.kde.org/graphics/krita/-/milestones/3">https://invent.kde.org/graphics/krita/-/milestones/3</a>
  - Preferences layout changes:
    - https://invent.kde.org/graphics/krita/-/merge\_reguests/1328
  - port Vc -> xsimd: https://invent.kde.org/graphics/krita/-/merge\_requests/1404
  - JPEG-XL support: <a href="https://invent.kde.org/graphics/krita/-/merge\_requests/1363">https://invent.kde.org/graphics/krita/-/merge\_requests/1363</a>
    - does NOT include HDR; Halla says this will go on 5.2
  - o library update: <a href="https://invent.kde.org/graphics/krita/-/merge\_requests/1370">https://invent.kde.org/graphics/krita/-/merge\_requests/1370</a>
  - Windows compiler update: <a href="https://phabricator.kde.org/T15455">https://phabricator.kde.org/T15455</a>
    - https://invent.kde.org/sysadmin/binary-factory-tooling/-/merge\_requests/2 96
  - ANGLE update <a href="https://invent.kde.org/graphics/krita/-/merge\_requests/1373">https://invent.kde.org/graphics/krita/-/merge\_requests/1373</a>
  - TIFF JPEG + YCbCr compression:
    - https://bugs.kde.org/show\_bug.cgi?id=454241 and
    - 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

### 511

- Should contain:
  - WebP animation and metadata support: <a href="https://invent.kde.org/graphics/krita/-/merge\_requests/1468">https://invent.kde.org/graphics/krita/-/merge\_requests/1468</a>

### 5.2.0

- Should contain:
  - HDR JXL + reusable xsimd dispatcher: https://bugs.kde.org/show\_bug.cqi?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 (<a href="https://en.wikipedia.org/wiki/Gesture\_drawing">https://en.wikipedia.org/wiki/Gesture\_drawing</a>
   ): 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
- <a href="https://krita-artists.org/t/pencil-sketches-new-techniques/32259/15?u=ramonm">https://krita-artists.org/t/pencil-sketches-new-techniques/32259/15?u=ramonm</a>
- 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 mistery. 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 chunck of pixel, and it doesn't provide any infomation 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 torwards 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
  - o Deevad: please ping me if you need small videos or screenshots for the updates
- Question about automated builds for MR (manually triggered) [raghu]
  - o 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