

15-11-2021 Meeting Agenda and Notes

Round-table participants

All 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

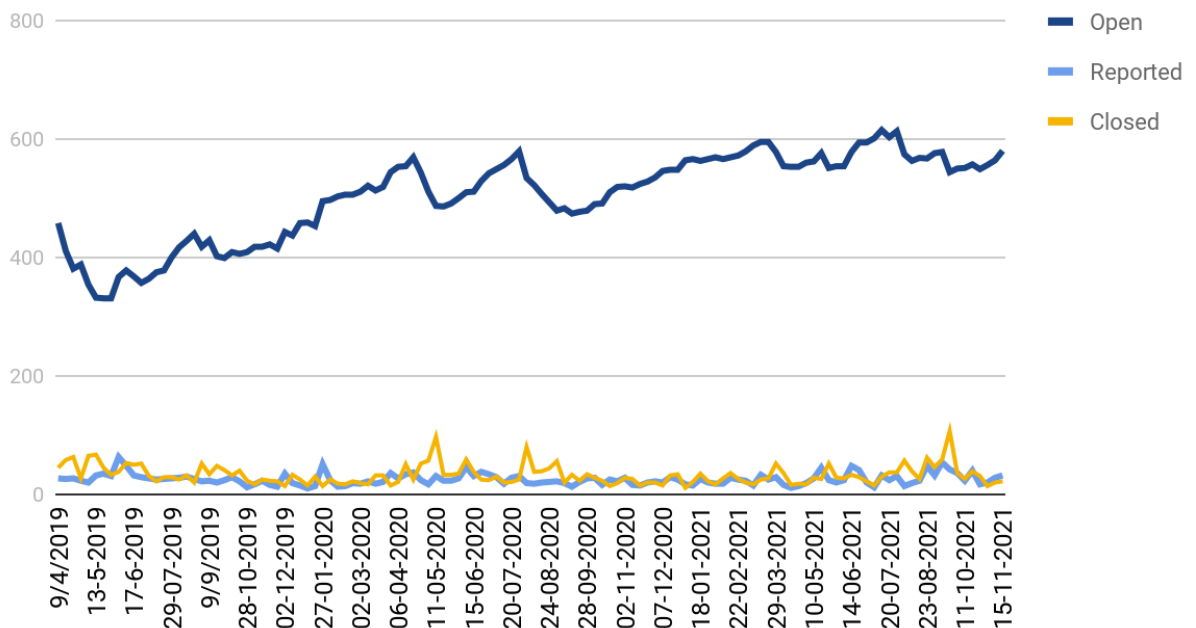
- **Halla** (sick)

Statistics

580 +32 -22 (564 +28 -20)

(Some of these come from the test week, but not all findings from the test week are in bugzilla)

Bugs



Commits in the past week (copied from github):

- Excluding merges, **11 authors** have pushed **49 commits** to master and **113 commits** to all branches. On master, **145 files** have changed and there have been [1,874 additions](#) and [681 deletions](#).
- Excluding merges, **12 authors** have pushed **36 commits** to master and **72 commits** to all branches. On master, **48 files** have changed and there have been [799 additions](#) and [458 deletions](#).

•

Web

- Downloads (downloads.kde.org): **82,535** unique downloads last week.
- Web traffic: **183,299** visits, **412,363** unique page views last week.
- Donations: **4166** in the past month
- Fund.krita.org: **171** subscribers (171)
- Krita-artists.org: Total users - 13.0k (All time) Total Post - 106k (All time)
 - Active Users Last week - 517
 - Total Posts Last Week - 1.3k
- <https://subredditstats.com/r/krita>

Resource System Testing

- Every tester should work on the bugs they found
- Layer styles needs to wait for Dmitry to finish his md5sum refactoring
- Second testing: Thursday and Friday, same tests, same document.

Bugs and Merge Requests

Release blockers (12):

445514	dimula73@gmail.com	ASSI	Krita ignores configured custom resources folder for some type of resources
445502	krita-bugs-null@kde.org	CONF	KPL palettes fail to open or import
445282	krita-bugs-null@kde.org	REPO	Overwriting a MyPaint preset creates a file with wrong extension (.myb instead of .kpp)
445281	krita-bugs-null@kde.org	REPO	Renamed MyPaint preset cannot be exported into a bundle (and loaded after restart)
445135	krita-bugs-null@kde.org	REPO	“Foreground to background color” in layerstyles
444975	krita-bugs-null@kde.org	REPO	Resources > Workspaces: Can't overwrite different workspace of the same name.

444950	tamtamy.tymona@gmail.com	ASSI	Crash loading incorrect file (backup file) as pattern resource.
444798	krita-bugs-null@kde.org	CONF	Possible issue with layer styles causing files to become unusable
444516	dimula73@gmail.com	CONF	Crash while painting
444504	tamtamy.tymona@gmail.com	ASSI	Can't save a brush preset with brush tip from ABR file in Krita 5.0 without a safe assert
444309	tamtamy.tymona@gmail.com	REPO	Palette doesn't autosave on quit
443347	krita-bugs-null@kde.org	CONF	[Transform tool] crash after a free transform on a layer group (with subgroups)
442972	krita-bugs-null@kde.org	CONF	Copy/Cut became very slow and bugged
441865	krita-bugs-null@kde.org	REPO	"Switch to Previous Preset" changes brush's opacity accidentally
441350	halla@valdyas.org	REOP	Brushes works wrong, after selecting another pattern and reselecting the original one, they works like the should
440962	halla@valdyas.org	ASSI	Gradients do not load from ASL file
440826	dimula73@gmail.com	ASSI	[Windows only] Krita 5 renders text differently from Krita 4.4.7

Merge Requests

- 48 open, of which 29 draft, 21 needs changes.
- Amyspark's resource fixes branch got subsumed by dmitry's work, now dmitry's handling that.

Manual

-

Website

- Weekly development update
- 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](#)
- 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:

5.0.0

- Release task: <https://phabricator.kde.org/T14985> , release campaign: https://docs.google.com/document/d/16gXo_pDDCMxMfWBWYdjF7esDd8ctOG7NQesSkI9ofNk
 - A list with things that really block us from releasing -- and that list should not be sloppy so only the list author knows what the items mean.
 - Press kit with images
 - Let's try to boost <https://krita-artists.org/t/call-for-artwork-for-the-5-0-release-notes/28084>
 - Ramon is offering all the things.
 - So is deevad: <https://www.peppercarrot.com/en/artworks/artworks.html> and <https://www.davidrevoy.com/index.php?tag/artworks>
 - [Krita 5.0 Release Campaign](#) -- overview of all assets we need for stores
 - Updated store pages
 - Needs splash and icon in a bazillion crops and sizes
 - Updated web page
 - Twitter/Deviantart/Mastodon/Youtube/Peertube/Facebook(?)/Tumblr icon and splash updates. (Also ask for Matrix and Gitlab with KDE admin and mods).
 - Final version of the release notes: <https://krita.org/en/krita-5-0-release-notes/>

- Should we take Android/ChromeOS out of beta and start asking money for it? The donation thing brings in about \$30 a month.
 - Sh_zam: it's stable enough for chrome os, but not android, but a lot of people won't be able to sideload our free downloads, plus, we need to make a new listing.
 - sh_zam will check whether we can have a separate download for devices with a keyboard (chromebooks)
- Will contain
 - voronwe's color smudge patches (rgba tips, gradient texture and a new colors smudge engine), resource rewrite, mypaint brush engine, storyboard, mesh gradients.
 - HDR gradient rendering + dithering.
 - MRs from milestones.
 - Massive library update: https://invent.kde.org/graphics/krita/-/merge_requests/718
 - LittleCMS Fast Float plugin: https://invent.kde.org/graphics/krita/-/merge_requests/717
 - Animation Update
 - Storyboard Docker
 - 2pp assistant (Wysteriary's), hopefully also local assistants (tiar)
 - MSVC builds: https://invent.kde.org/graphics/krita/-/merge_requests/776
 - SIP v5: https://invent.kde.org/graphics/krita/-/merge_requests/869
 - KSeExpr 4.0.3 (with Alvin Wong's bugfix round): https://invent.kde.org/graphics/krita/-/merge_requests/955
 - webp plugin: https://invent.kde.org/graphics/krita/-/merge_requests/891
 - Forked GMic 2.9.9: https://invent.kde.org/graphics/krita/-/merge_requests/965
 - Updated metadata editor plugin (fixes Dublin Core, also implements runtime loadable schemas)
 - Compatibility with VFX CY2021 onwards (ie OCIO v2)

5.1.0

- Will contain:
 - TIFF Photoshop support: https://invent.kde.org/graphics/krita/-/merge_requests/944
 - GMic 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
 - gsocs
 - Milestones: <https://invent.kde.org/graphics/krita/-/milestones/3>

5.2.0

- Should contain:
 - Port to xsimd (wip from amyspark)
 - One-ring KisConfig class for centralized threadsafe configuration management (wip from amyspark too)

Youtube

- We're at 44K now.
- the last video was very well received. 60% more views than usual in sprint stage.
- We were asked whether Krita runs on Windows 11: No clue, *should*, but people are going to check anyway.
- Ramon needs Krita on tablet footage. Sharaf is checking what he can do.

Roundtable

- **Halla:** I fixed restoring tags from files and some smaller bugs. I did the setup for Krita in the app store, started assembling the assets we need for the release (<https://www.dropbox.com/sh/ir9ofbjomhvaopi/AACRKLcqy3KUuuVDT1mgrb6ya?dl=0>) and spent time reviewing merge requests.
- **Amyspark:** So, I'm still reporting bugs and/or missing features in xsimd (Vc replacement). Most of them have been sorted out, so I'm waiting on Godbolt (ie Compiler Explorer) to update their site so I can test Dmitry's benchmark again.
In Krita-land, I did two testing rounds on layer styles and bundles. I found a good too many corner cases not covered, chiefly a typo on KisPSDLayerStyle's md5 logic that made them impossible to be stored, and another that made the actual write to disk impossible. (uuid change didn't trigger the corresponding md5 refresh. And the storage lookup targeted the asl's full path, instead of what was stored as filename, so it wouldn't be found at all and silently fail)
Re bundles - i fixed repeated imports: since a deletion of a storage wouldn't invalidate the tags, importing the same bundle twice would leave the database in an inconsistent state. Tags couldn't be assigned but they couldn't be delete either.
In the same vein, importing a bundle wouldn't actually import the tags until the next sync, that was added too. And looking up resources when the corresponding type was empty ("sessions") would actually log a sqlite warning, fixed too.
Last relevant bug I fixed was resources colliding across storages when exporting them to a bundle, either because we only accepted the displayName, or because we "forgot" that some of them can be prefixed. (Though it needs some way to deduplicate them, for the time being I just added a hard error.)
- **Tiar:** I was mostly checking the MRs. I also worked on the patterns crash but haven't finished it, and then I start over emmetpdx[m] 's MR about workspaces. I'm mostly done except for a very weird issue (empty string literal in QSqlQuery).
- **Wolthera:** I worked on fixes for gamut masks and palettes. Both are done, but only the palettes one got merged. I spend an inordinate amount of time on chasing a bug that wasn't a bug but me not reading the warning message correctly. Finally, I got annoyed by bug 425312, so I've got a partial fix for that. Will make an MR later, given text is so hairy. That's all.
- **Emmet:** This week Eoin and I worked on resource stuff like everyone else. Eoin worked on tags, and fixed an issue where tag name collisions would erase the original tag and lose data. I worked on Workspaces, and almost fixed an issue where importing a new workspace under an old name would create some strange state in the workspace list UI until restarting Krita. Eoin also managed to fix a relatively high priority animation bug that came in, to do with a caching edge case while scrubbing.

- **Ivan:** This week I worked on fixes for my testing, but turned out some got fixed after. I then worked on getting a duplicated pattern bug fully understood as I was unable to know what was happening really, this turned into bug 445390 which I haven't attempted to fix since layerstyles and embed resources codebase is changing. I worked on documents and it all seems to work fine now but then I found a broken png, the thing is I'm unable to reproduce the file from another program. I thought the file was broken but I think not and now I'm making a bug report for it. Finally I was working on a tag filtering bug on resources manager. if a tag is chosen the "show delete resources" do nothing, it shows deleted sources regardless. I haven't fixed that one yet.
- **Sharaf:** I started with fixing a simple bug 445127. Then I worked on resources bugs that I found, mostly gradients (MR !1144) -- while testing things I also found a crash in gamut masks, which I've patched. After that I briefly looked at the crash and the disassembly posted by David, I do have some theory but nothing conclusive...

After that I wanted to work on "Resource folder and Cache" bugs, but I wanted to ask something, but before I could do that I got a call from my Uni for some paperwork. So, that's all :(

- **Dmitry:** I worked the entire week on a big refactoring to make sure the resources are embedded as binary blobs instead of `res->saveToDevice()`. This refactoring is done now and merged into both master and 5.0. I also did a thorough (manual) testing of resources saving and embedding (which actually took more time than refactoring itself) and fixed a lot of bugs :)

AOB

- How should we treat the 'always make MRs for anything touching resources'-rule now we're going in full swing? (Wolthera)
- Ivan: about instagram: @krita_foundation is it dead? Can we take over it?
 - It is ours; we still have the login. Hellozee has no time to manage it, so we need someone who understands instagram to manage it. (halla)
 - I (Ivan) did some usage and research as a photo platform, but that was years ago, I might not be the ideal person, but I could take where hellozee left. (Ivan now has the login details (Halla))
- Tomtomtom highlighted this bug: https://bugs.kde.org/show_bug.cgi?id=442544 (Emmet is checking it out).

FYI

- **BACKPORT (or forward port) your own commits! Use either invent's cherry-pick functionality, or use git worktree to have both trees checked out and built. Cherry-pick with -x!**
 - Tiar has a script helping finding out which commits has not been cherry-picked, it needs some setup (since I haven't made it "other-people-friendly" yet) but might be helpful if you're like me and has trouble finding or remembering which ones has been cherry-picked already

- Dmitry has a list of commits he is unsure should be backported:
https://invent.kde.org/graphics/krita/-/merge_requests/1153/commits
- REMEMBER that **all** changes about the resource system must be added as a MR. I would appreciate it if you ping me in the MR as well (like writing @tymond in a comment or description) (Tiar). You can actually mark me as a reviewer, I will pass the “bigger” ones to Dmitry and Halla.
 - Put a days worth of fixes in one MR.

Next week

- Halla
- Backup: Wolthera