

12-02-2024 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:

- Wolthera (sick)

Meeting Meta

Rotation: [Wolthera, Emmet, Halla]

Today's Lead: Tiar

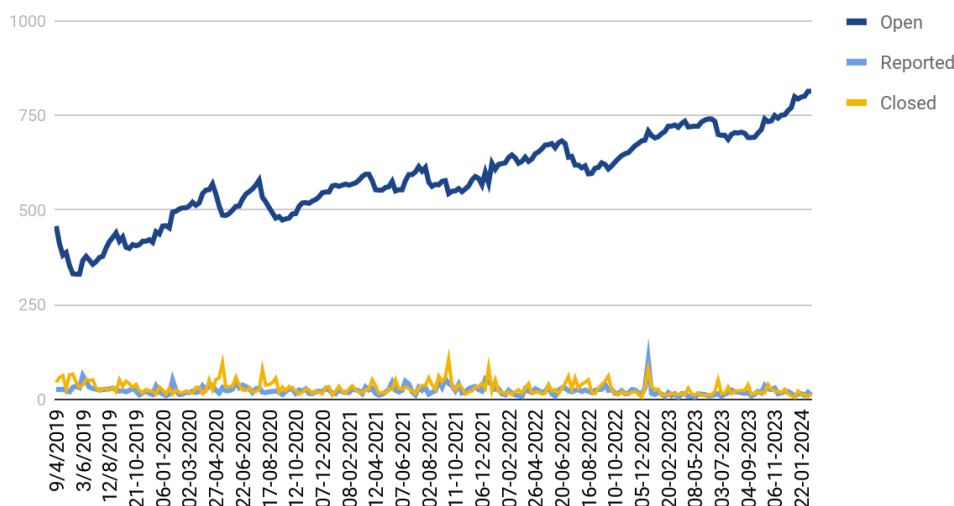
Next Week's Lead (i+1): Halla

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

Statistics

814 +11 -14 (814 +19 -7)

Bugs

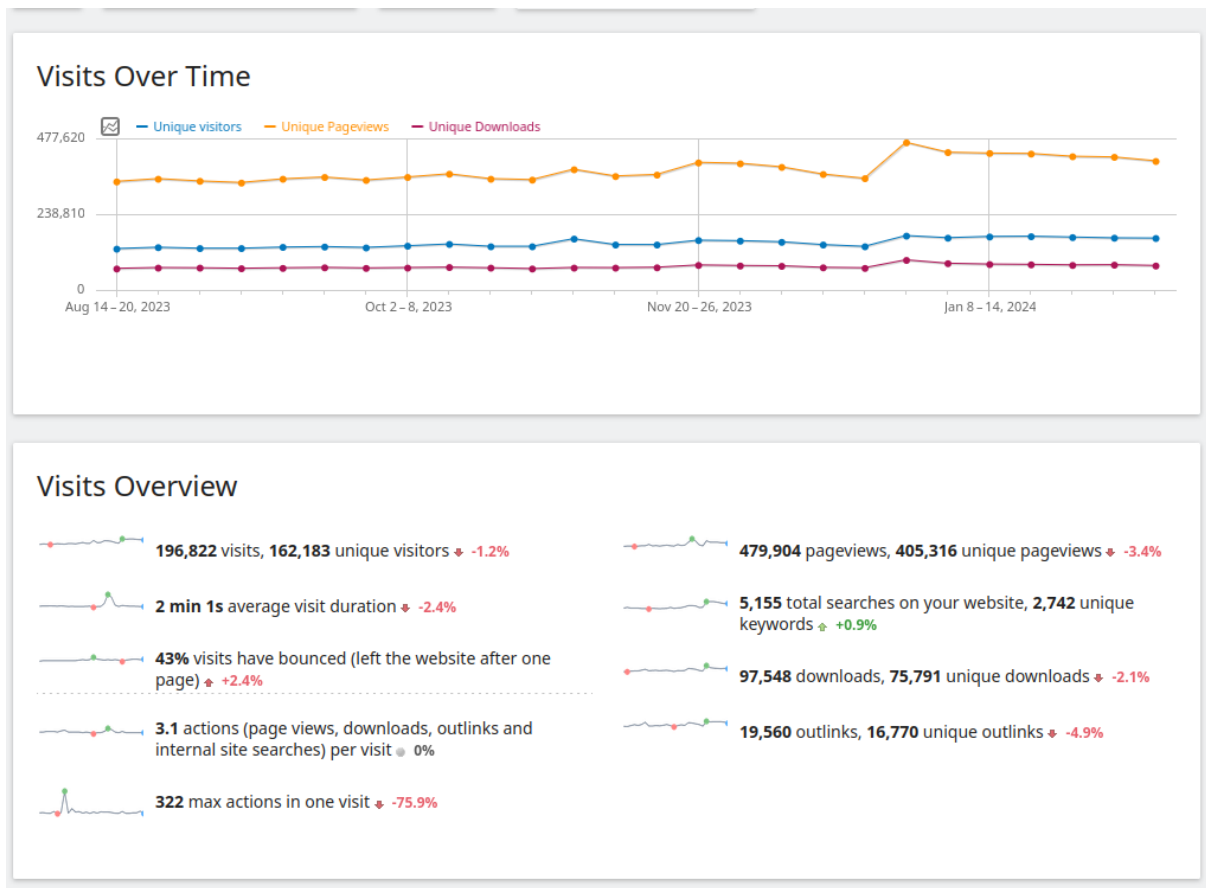


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Commits in the past week

- Excluding merges, **8 authors** have pushed **49 commits** to master and **57 commits** to all branches. On master, **179 files** have changed and there have been **19,908 additions and 19,248 deletions**.
- Excluding merges, **5 authors** have pushed **18 commits** to master and **23 commits** to all branches. On master, **46 files** have changed and there have been **1,787 additions and 1,413 deletions**.

Web



- Donations: **€2824** in the past month (€2814 in the last document, so -60)
- Fund.krita.org: **237** subscribers (+7)
- Krita-artists.org: Pageviews last week - **277k**
 - Active Users Last week - 1.0k
 - Total Posts Last Week - 1.5k
 - Sign-ups - 24.2k
- [Mastodon](#): **8.5k**
- [Peertube](#): **903**
- <https://subredditstats.com/r/krita>

AI

- Intel might have money for an AI related project. Is there anything ethical we can do?
 - Existing OSS apps:

- <https://github.com/google-research/frame-interpolation>
- <https://github.com/intel/opencvino-ai-plugins-gimp>
- <https://github.com/huggingface/diffusers/tree/main>

Code Stuff

Regressions

- 23 [bugs marked as Regression](#) (~)
- 0 [bugs marked release blocker](#). (~)
- Failing unit tests (CI):
 - 1 - appstreamtest (Failed)
 - 49 - libs-flake-TestSvgParserRoundTrip (Subprocess aborted)
 - 214 - libs-ui-kis_shape_layer_test (Subprocess aborted)
 - 273 - plugins-impex-kis_kra_saver_test (Subprocess aborted)
 - 274 - plugins-impex-kis_jpeg_test (Subprocess aborted)
 - 291 - plugins-impex-KisHeifTest (Failed)

Updating Dependencies

Task: <https://phabricator.kde.org/T16430>

- G'MIC updates: plugin version required to be done manually, but amy's left.
 - Someone needs to fork the repo and update it, we'll need to add it to the list of deps for the split deps project. (Ivan will look into this)
 - This is now done <https://github.com/vanyossi/gmic/releases/tag/v3.3.1.0> .
- Update deps. (Halla is looking into this)
- windows CI project (needs to find out why ccache doesn't work, but it is rather complicated and required Win10/11 **Pro**)
- Simra looked into this and now Dmitry needs to finalize the branch.
- deps split project (<https://phabricator.kde.org/T16430>)
 - blocked on Dmitry preparing a proposal that uses KDE's system
 - will be blocked for at least two more weeks
 - Needs a coordination meeting.
- port to Qt6/KF6 -> needs to happen after the deps split project
- NOTE: some changes were done to KDE release mechanism:
 - <https://mail.kde.org/pipermail/kde-devel/2023-November/002166.html>
 - Action needed for Dmitry and Halla
- MLT framework:
 - <https://github.com/mltframework/mlt/pull/961#issuecomment-1843753648>

Split Dependencies Project

Dmitry researched the split deps port project. He tried to use the KDE's CI scripts for this purpose and written two long documents describing that:

- Overview:
https://docs.google.com/document/d/1IJE8E8NZ1Kb82xgyqw1XIF3WcEEGboSpK2j7_FN6LC0/edit
- Manual:
https://docs.google.com/document/d/1_UU7PkEbnQ5FOTMTYEK8zG8QUaDPyxmm7-ishjiULU8/edit

This system solves almost all the needs we have, though it has two "small" issues:

1. it is not very easy to rebuild a "subtree" of the dependencies; it should be done half-manually
2. it is impossible to assign version numbers to packages, so that we could sanity-check them when building Krita. E.g. "Krita requires exactly the version of Qt with our patch to AltGr".

I talked to bcooksley[M] this morning. He says that this problem can be worked around with Craft package manager, which is used by KDE. Buuuuuut... Craft is monstrous... I'm kind of scared of diving into Craft, since we are quite unstable at the deps field even currently

ivanyossi: btw, do you know if craft support the "multiarch" builds for macos? this repo:

<https://invent.kde.org/packaging/craft>

ivanyossi: can you check next week?

I guess we should do in the following way:

1. port into KDE CI scripts first, since they don't change our code too much;
2. at a distance of a year, think about porting to craft

KDE CI scripts use our cmake-external-project system, so it is quite hard to mess it up too much; and Craft uses python, so I'm totally sure we'll get a lot of issues when porting

<@Wolthera_laptop> alright, what can be done to help?

<dmitryK> well, everybody can join the process of porting by following this manual:

https://docs.google.com/document/d/1_UU7PkEbnQ5FOTMTYEK8zG8QUaDPyxmm7-ishjiULU8/edit

<dmitryK> android and macOS help is also needed..

update: state 8th jan 2024: FFMpeg is the last dep left, dmitry wants to write a script for setting up the environment so we can build Krita with the new deps. Left-over issues are here: <https://invent.kde.org/dkazakov/krita-deps-management/-/issues>

22th jan 2024: Technically all deps are done outside of MLT, today the final touches are done on package config handling, and after that MLT will be tackled. MacOS still is an unknown.

29th of Jan 2024: Blockers are macOS and Android, ivan's been looking into MacOS.

05th of Feb 2024:

- XSimd patch for KoClipMaskPainter will be disabled on MacOS so focus can be put on Split deps.
- Deventer mac mini is still the only builder for Krita.

12th of Feb 2024:

- Ivan is in progress of porting MacOS version of SDP
- Tiar volunteered to try to do the Android port

Merge Requests

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Manual

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Website

- Scottyp is working on a Hugo-based replacement for WordPress,
 - English news posts now show as fallback when translated posts are not available.
 - Website is ready to launch whenever.
- Shall we collect some things for the 'krita in 2024' post?
- We'll need to make a ticket to have a few more people added to the websites repository. (Wolthera will make a ticket)

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:

Schedule

- 5.2.2: done
- Milestone: <https://invent.kde.org/graphics/krita/-/milestones/8#tab-issues>
- We need to do a test-release to find CI wrinkles.

Youtube

- 80k subscribers

Roundtable

- **Halla:** I did a lot of bug triaging and started working on https://bugs.kde.org/show_bug.cgi?id=476607 – palette groups are not being saved. For the rest, Intel meeting and admin stuff.
- **Emmet:** This week I continued triaging and working on general animation bugs, as there are still quite a few of them. On top of that I also implemented a small feature which allows for the Onion Skins docker to be reset back to Krita's default values.
- **Ivan:** My week was all SDP porting. In the end I was able to reuse the old macro I did for building fat binaries on the new system. As for porting: icu, python and qt took some time to port but everything else was relatively smooth. I'm guessing this week I will spend some time on sip, pyqt but all should be doable.
- **Dmitry:** Last week I
 - 1) disabled KoClipPathPainter's XSIMD optimization on MacOS, I hope it now builds fine finally
 - 2) Worked on implementing const-correct features of KisForest for wolthera[M]'s test branch
 - 3) Reviewed a lot of MRs
 - 4) Started to work on KDE bug 474122 in krita (Layer Stack) "Warning logged when undoing Flatten Layer" [normal,]
https://bugs.kde.org/show_bug.cgi?id=474122
 - 5) This week I plan to just clean up old and half-forgotten things in my backlog :)
- **Tiar:**

AOB

- Roadmap/Goals for 2024 meeting?
 - Halla will write a proposal on mail
- Sprint? (maybe at Akademy?)
 - Tiar has collected ideas, Friday jan 31 we'll have a mini meeting to decide which ones will go onto the wiki.
- [halla] Should we drop the banner? We gained some subscribers over the holidays, but a dozen subscribers isn't much for a banner that's shown to millions.
 - dmitry suggests enabling the banner once a year for a short period
 - ivan suggests posting the dev fund one a month on social media
 - Halla still wants to remove it completely
- [wolthera] Libre Graphics Meeting 2024: <https://libregraphicsmeeting.org/2024/>
 - Halla might go to present the State of Libre Graphics
 - Wolthera would like to preset her work on the text shape and tool

- Is our build system not a bit too unfriendly for volunteers?

FYI

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