Report of Sysadmin Working Group

KDE e.V. AGM 2023

Who we are and what we do

- Sysadmin looks after all the infrastructure we have, which:
  - Served over 47 Terabytes of data in June (excluding CDNs and Cloudflare)
  - Serves ~170 web requests per second on average (excluding Gitlab)
  - Delivers over 315,000 emails every week
- Our current members include:
  - Ben Cooksley
  - Nicolas Alvarez
  - Bshuhan Shah
  - Kenny Coyle
  - As well as others who are involved with specific services/systems

Our work of the past year – Server rebuilds

- The server that hosts the majority of our websites, including KDE.org, the Wikis, Dot, Krita.org, Bugzilla and conf.kde.org (among others) was rebuilt to bring it on to a modern platform.

- As part of this, a number of systems were consolidated reducing the number of servers we have by two. We were also able to eliminate the legacy capacity framework as part of these moves.

- The server which hosts our download networks / CDN was rebuilt to accomodate continued growth in the OSM dataset used to support Itinerary.

- As part of it's rebuild, the system hosting LXR also received an increase to it's disk space. This allowed us to enable coverage of Qt 6 based software including KF6.

Our work of the past year – Server retirement

- As the KDE Community has grown over the past 10 years, our infrastructure has grown and evolved with it, which has unfortunately resulted in some donated systems reaching the end of their service life.

- This has been due to the machine reaching the end of the underlying hardware's useful life or having insufficient computational resource (either in CPU power, memory or disk space).

- We therefore retired 3 systems during the year, passing along messages of thanks and appreciation to the donors that had provided those systems for many years.

Our work of the past year – Improvements

- BigBlueButton was also moved to a new server during the year. Previously it had been hosted at DigitalOcean, and required Sysadmin to scale it up and down depending on the expected load.

- The new server at Hetzner not only improves service quality (by eliminating the latency inherent in virtualisation) but also ensures sufficient resources are available to handle most events without requiring special action on the part of Sysadmin.

- Sysadmin also took over hosting for krita-artists.org, which is a Discourse forum for Krita users. This included the KDE e.V. taking over ownership of the domain, and Sysadmin taking over handling email as well as providing a server to host the site itself.

Our work of the past year – Gitlab

- As with prior years, Gitlab also received quite a bit of work this year.

- Of particular note was the completion of initial proof of concept builds using Craft for Linux (appimages), Android and Windows.

- While not yet ready to replace the Binary Factory (due to lack of signing support), they are fully able to build software and provide binaries on both regular branches as well as in merge requests.

- In response to action taken by DockerHub, we also deployed the Gitlab Container Registry during the year as well – ensuring that we will always be able to deliver the Docker images used for our CI builds.

Where we need help

- Please see next slide :)

Our key goals and plans for the coming year

- Completion of the Gitlab signing service, which will allow the Binary Factory to be retired.

- Migrating our tasks from Phabricator to Gitlab, followed by taking an archival copy of code reviews and archival of Phabricator

- Rebuild of our mail systems, including a migration to Mailman 3.

- Retirement of MyKDE and KDE Identity.

Any questions?