

Report of Sysadmin Working Group

KDE e.V. AGM 2022



Who we are and what we do

- Sysadmin looks after all the infrastructure we have, which:
 - Served over 48 Terabytes of data in August
 - Serves ~185 web requests per second on average
 - Delivers over 375,000 emails every week
- Our current members include:
 - Ben Cooksley
 - Nicolas Alvarez
 - Bshuhan Shah
 - Kenny Coyle
 - Harald Sitter
 - As well as others who are involved with specific services/systems

Service Delivery Completed – Gitlab CI

- During the year a full implementation of Gitlab CI, supporting all of the platforms previously supported by Jenkins was completed.
- This has made CI available to non-release branches as well as merge requests for the first time.
- The move away from Jenkins has created substantially more flexibility for us as well as making it substantially easier to deploy new CI workers.
- Windows jobs are now also Docker based, making the environment easier to reproduce outside of our servers and easier to deploy on new CI workers.
- New CI Dashboards and the use of Prometheus for this data should allow for better insights in the future as well.

Services Improved

- Replacement of `api.kde.org` with new modern tooling based exclusively on KApiDox.
- This finally eliminates the dependency of our infrastructure on KDE 4, which was still being used to generate API Documentation prior to this change.
- Move towards using Gitlab as our central authentication provider is now well underway, with more services expected to move over in the coming year.
- While MyKDE would have been an excellent platform to use, it is ultimately a better use of our resources to use something off the shelf where those products exist and are fully able to meet our needs.
- We also replaced some aging servers, such as the server that runs Identity.

Where we need help

- Please see the next slide :)

Our key goals and plans for the coming year

- Retire our last remaining Jenkins installation, the Binary Factory in favour of Gitlab CI jobs.
- The design for this has already been completed and should provide both a solid UI/UX experience for contributors as well as being extremely secure.
- A number of our servers run Ubuntu 18.04 and will need to be replaced prior to it going end of life in April 2023.
- Drupal 7 is now fast approaching end of life, meaning those sites still using it need to be migrated to different platforms. This is a task that someone not in the Sysadmin team could very much help with!
- Our Forum software is now extremely aged, so an evaluation of possible options will need to be carried out (Flarum is a top candidate here)