Report of the Teams and Committees of the TYPO3 Association for 2022

Academic Committee

by Martina Ahlswede (ahlswede@luis.uni-hannover.de)

The TYPO3 Academic Committee is made up of TYPO3 Association members from universities that use TYPO3-CMS for their websites. It was founded in November 2016.

TYPO3 University Day 2022

The Academic Committee organizes the TYPO3 University Day, together with the host university. In 2022 (as already in 2020 and 2021) the TYPO3 University Day was switched to an online event due to the corona pandemic.
TYPO3 University Day 2022 took place from September 14-15, 2022 as an online conference. They were organized by University of Witten/Herdecke. All representatives of universities that use TYPO3 or are considering using TYPO3 were invited.
Website: https://t3ud22.uni-wh.de

Half of the voting members and two substitute members are elected at the annual TYPO3 University Day. Universities with TYPO3 membership are eligible to vote. The term of office is two years. The TYPO3 Association member is appointed by the Board.

At the last online University Day (organized by University of Witten/Herdecke) four members of the academic committee got re-elected. One new member got elected.

More information about the Academic Committee and the current members:
https://typo3.org/community/teams/academic-committee/

TYPO3 University Community Package

Over the years the Academic Committee developed the TYPO3 University Community package (T3UP). The community package T3UP has been continuously developed in the current year as well as the documentation. The package, which sees itself as a best practice, was converted to Bootstrap 5. In addition, T3UP was extended with the extension t3up_container, which provides grid elements analogous to the grid elements, including accordions, tabs, columns. Dynamic elements for news, slider and container/grid elements are now directly controlled by Bootstrap 5, without additional javascripts.

T3AC Happy Hour

In 2023 the Academic Committee started a new event, the T3AC Happy Hour. Every two months there will be an online talk (approx. 60 minutes) on a specific topic and a get together with interested university members.

If you want to join the Academic Committee please contact
Martina Ahlswede (ahlswede@luis.uni-hannover.de)

The next University Day date and location:

University Day 2023 19./20.09.2023 Hochschule Darmstadt (h_da)

All representatives of universities that use TYPO3 or are considering using TYPO3 are invited.

Community Expansion Committee

by Daniel Homorodean (daniel.homorodean@typo3.org)

The committee has expanded our international network and worked to strengthen TYPO3's profile in developing markets. In these markets, TYPO3 is a business enabler for tech communities and a strategic platform for governments.

We learned a lot in 2019 - 2021 and had discussions with many companies — even governments. The Expansion Committee engaged with communities and web developers from many countries, and ran the TYPO3 International Mentorship Program for two years. With our support, the government of Rwanda established TYPO3 as a national website standard for public institutions.

For 2022, it became clear that we need a more pragmatic approach than previous years. While we see that mentoring of developers is effective for knowledge transfer, those starting their TYPO3 journey need real work opportunities that fit their level of experience. Our project in Rwanda (2018–2020), where we involve ourselves in a more holistic fashion, has proven to be a successful way to solve this problem and create sustainable results.

Retrospective on the Mentorship Program

In 2020 and 2021 we offered the TYPO3 Mentorship Program to web development communities from various countries. These activities gave us the opportunity to learn what works and what doesn't.

We successfully introduced developers from Chile, Cuba, Bosnia, Rwanda, Zimbabwe, and Benin to TYPO3 CMS. However, the mentees did not integrate further into our community because they lacked direct work opportunities.

With the exception of Rwanda, where we had an ongoing project with the government, there was no local market demand for TYPO3 and no local web agencies ready to hire TYPO3 juniors. This shows that supporting the development of demand in the local market is essential. Web agencies can only justify the investment in learning the technology when there is a local demand for TYPO3.

The Rwandan Model

What we did in Rwanda in 2018–2020 is a model we can repeat. With commitment from the Rwandan government and financial support from GIZ, we had interest from the local web agencies.

Rwanda has adopted TYPO3 as a technical standard for all the websites of public institutions. By Q3 of 2022, over 200 TYPO3-based websites, developed by local web developers, had been launched. Compared to other initiatives, Rwanda's standard is not only open source, but built on a truly community-based CMS that gives increased local involvement and financial independence.

We are shaping our current initiatives around this successful model and its three pillars:

1. **Commitment to TYPO3** by organizations that can provide a sustainable demand in the market. Central governments are good examples of such enablers in the developing and emerging markets.
2. **Financial capacity** to pay for the development, maintenance, and hosting of the new websites. Local web agencies must be given the financial and human-resource capacity to support their employees' learning. Where the capacity is scarce, external funding must be found, e.g. from international funding (GIZ had this role in Rwanda).
3. **Presence of a skilled workforce** capable of learning TYPO3 and using the acquired knowledge for the benefit of the clients (see 1), while also having the will to adopt TYPO3 as part of their business strategy.

Activities Under the Model's Three Pillars in 2022

As a result, our activities in 2022 all fit under the three pillars:

Pillar 1: Direct Engagement With Governments

We have developed the conversation with relevant governmental institutions, such as the Ministry of ICT or national digitalization agencies, for example in Uganda, Tanzania, Burundi, and Papua New Guinea. These conversations were the result of personal networking, demonstrating the importance of being present at relevant events and personal involvement.

In the countries that have shown most interest, we have organized workshops with teams from their Ministries of ICT to convey the detailed advantages of TYPO3, the Rwandan model, and specific approaches that ensure the alignment of the institutional stakeholders and donor organizations. These countries are expecting further support from us to define strategies for funding, specification, and implementation of a national project.

In Uganda, we have also engaged with the local administrations to explore a complimentary bottom-up local approach. One example is Gulu, the largest city in Northern Uganda, where we have organized workshops with the city hall and the local university. As a result, we have gained their support (including the allocation of web developers and software development students from the university) for the implementation of the portal of the city hall using TYPO3.

Pillar 2: Direct Engagement With Tech Communities, Web Agencies, and IT Industry Associations

Our activities included:

- Presentation of TYPO3 to the [Papua New Guinea ICT Cluster](#).
- Discussions with companies from Tanzania at [TAIC](#) (Tanzania Annual ICT Conference)
- Discussions with companies from the Middle East at [MENA ICT Forum](#)
- Presentation of TYPO3 at the DevFest Bujumbura 2022
- Discussions with web development companies from various countries: Uganda, Ethiopia, Lebanon, Chile, and Benin.

Pillar 3: Engagement With Donors And International Networks

With help from GIZ, TYPO3 and the TYPO3 Association have been included in the [GovStack](#) Initiative, which aims to support the governments of the developing countries with proven working software—ideally open source.

The TYPO3 Association has been given the responsibility of coordinating the GovStack CMS Working Group. This is a very important achievement that will require a strong and continuous commitment from us. The goal is to create a specification for an optimal CMS approach for governments.

We have also started networking with Norwegian organizations that can help us gain access to potential project partners, local expertise and funding networks.

Continuing the Effort in 2023

We will continue this focus in 2023, with a focus on five initiatives:

- **Active participation in the GovStack initiative** to create a specification for an open source CMS model for governments.
- **Continue the work to reproduce the Rwandan model**, in particular in Uganda and Papua New Guinea.
- **Start a project with the city of Gulu, Uganda**, with collaboration from the local university. This will be an example of a bottom-up approach for TYPO3 adoption at local administration level.
- **Continue and concretize conversations** with governments, local communities and donors.
- **Engage with IT communities from various countries**, present TYPO3, and support their needs.

Would you like to get involved in the TYPO3 Community Expansion Committee?
Contact Daniel Homorodean: daniel.homorodean@typo3.org
This report has already been published on [typo3.org](#)

Core Team

by Benni Mack (benni@typo3.org)

TYPO3 v12

In the past 12 months the Core Development has had its major focus on TYPO3 v12 with the Long-Term-Support release in April 2023.

Over 200 features were merged during TYPO3 v12 development, over hundred of contributors shaped the product further for the next years to come. The Core mergers have been active and responding to support in Slack and other common channels.

The focus during the development was on data exchange for incoming and outgoing webhooks with the new system extensions "reactions" and "webhooks", as well as consistency in the User Interface. Under the hood, almost all dependencies - especially the groundwork for our Rich-Text-Editor CKEditor5 - are now up-to-date. This hasn't always been the case in the last decade, and makes maintenance of our dependencies much easier - the development stack is now more modern and robust, paving the way for future TYPO3 versions, even though the update might be a bit bumpier.

Budget

The Core Development Budget has been used primarily for team events and code sprints, as well as a continuous flow in fixing outstanding bugs as the major driver.

Outlook

For the rest of 2023, core development will focus on preparations for the upcoming v13 development cycle as well as drastically reducing the number of pending issues.

We are also seeking for developers with Core-knowledge who can be sponsored with the Core Development Budget on a continuous basis. If you are interested please get in touch with Benni Mack (benni.mack@typo3.org)

Demo Project Team

by Desirée Lochner (desiree.lochner@b13.com)

Throughout the year 2022, the Demo Project team mainly focused on maintaining the system and keeping up the high standards we are committed to.

Due to Covid restrictions, we had to postpone the team sprint that had originally been scheduled for April 26th. We were able to conduct a team sprint with four team members in Stuttgart in October, though.

Despite tight resources throughout the year and thanks to the team sprint, we were able to implement several features, such as:
- A search function using EXT:solr
- The implementation of a best practices example for backend previews
- The integration of doktype mapper
- Several minor bug fixes

However, throughout the year we had to realize that the individual resources within the team were and will be very limited. In addition to that we consider the Demo Project as feature-complete.

For these reasons we decided to end our work on the Demo Project as an official TYPO3 team. However, we will continue all maintenance work, such as minor and major TYPO3 updates. We are also always open for feature requests or bug fixing, so please feel free to contact us!

Screenshot of the search functionality on the Demo Project Website: demo.typo3.org
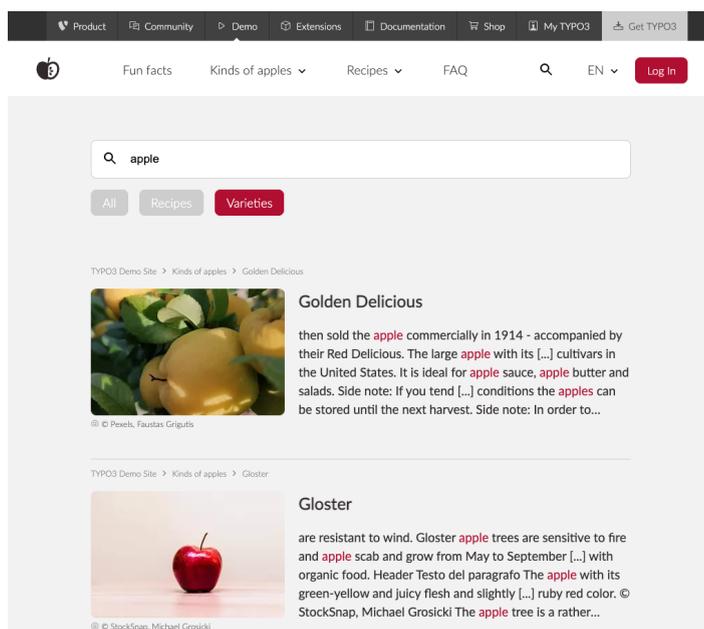
Documentation Team

by Lina Wolf (lina.wolf@typo3.org)

The TYPO3 documentation tools are constantly improved by the TYPO3 Documentation Team to support you, the reader, in getting comprehensive information and quickly finding answers to your questions, and to help you, the author, in creating documentation and to increase the visibility and popularity of your extension in the TYPO3 world.

The Documentation Team supports two types of users: readers and authors. We design content solutions to help readers easily access information about TYPO3; and we create the tools and workflows to support developers to write effective documentation for their extension.

In this report we will present this year's improvements to the tools and the official TYPO3 documentation.

Code / Documentation Sprints

In 2022 we were finally able to have coding sprints again. The Documentation Team was present (represented by at least one member) at the TYPO3 Developer Days, each of the four Community Sprints in Düsseldorf, as well as at several TYPO3 Camps.

Lina Wolf became new Co-Teamleader

In April 2022 Lina Wolf became the new Co-Teamleader. You can read more about her in This Is Lina Wolf, the New Documentation Team Co-Lead.

Documenting TYPO3 Version 12

We worked - and still work - on bringing the Documentation up to date for all changes for TYPO3 v12. To facilitate cooperation, we introduced a new issue management workflow so that issues get automatically created for each TYPO3 Core change that affects the changelog—and is therefore worth being documented.

Read more about our efforts in the article, Documenting TYPO3 Version 12.

Integrate Extbase Documentation into TYPO3 Explained

We discontinued the separate Extbase-Fluid Guide and integrated information on extension development with Extbase closely into our main manual, TYPO3 Explained. In doing so, we noted much documentation for non-extbase extension development missing and worked on creating the missing documentation.

Support the Education Committee

We supported the Education Committee on updating the Editors Certification for v11 by providing them with information available in the official documentation. We included information that is required for Certification but to date, had not been present in the official docs.

Refactoring the Core References

We worked on refactoring the references. The Fluid ViewHelper references automatic generation was improved. We overhauled parts of the TypoScript and TSconfig references.

Outlook for 2023

We farewelled several Team Members in 2022 who decided to dedicate their work to other fields of TYPO3. In 2023, a key task will be welcoming new contributors and supporting them in becoming active.

We are working on having the official Documentation ready for the release of [TYPO3 v12 LTS, which is scheduled for April 2023](#).

We are working on switching the Documentation rendering from the Python-based Sphinx tool to the PHP-based [doctrine/rst-parser](#).

This report has already been published on [typo3.org](#).

Education Committee

by Marc Willmann (marc.willmann@typo3.org)

Status of the certification exams

In 2022 we have finally achieved to update all exams to 11LTS. This means, all questions address version 11LTS, all questions are reviewed in meanings of they may not longer be valid in 11LTS (and then therefore sorted out) and adjusted where needed to update wording.

The task forces have worked hard to strengthen the syllable for the exam as well as adding more questions to the pool.

We have received some issues regarding syntax errors in the online exam and have fixed most of the reported issues.

We have identified some issues with updating and incorporating new or revised certification questions into the online tool. These result in a slow workflow and are prone to errors.

In this regard, we are in exchange with TYPO3 GmbH and are talking about possible improvements.

Online certifications

The online certifications run reliably. Proctoring is not yet optimal in some cases; here, some participants report overly harsh requirements. From our side, the review of incidents is working satisfactorily.

Overall, the situation regarding the transfer of data to the website and the sending of paper certificates has improved significantly, so there is currently no need for further action here.

Live certifications

2022 the situation of events in the TYPO3 cosmos fortunately seems to be normalising. As was already the case before 2020, we are asked by the organisers whether we can offer live certifications at the events and are happy to comply with these requests.

On-premise exams on on-location events

Since the TYPO3 Developer Days 2022 we offer to take the on-location exams with your own device and digital instead of pen-and-paper.

We now have a better routine in the new on-location live exams. The solution provided by the TYPO3 GmbH comes quite handy and offers interesting insights. Also the participants get their results quite fast, which is a great improvement.

We have asked the participants in Kamp-Lintfort (T3CRR) after the exam in detail about their experiences with the new live-exams and the old pen&paper in comparison. All participants said that the new version is an improvement.

We gave participants the choice of taking the test online or with Pen & Paper. All but one chose the online variant.

So the new solution is an improvement and we will use it in the future. Thanks and Kudos goes to the TYPO3 GmbH for providing the toolset.

Budget

As announced in the Q3-report, we have not used up the entire budget. We considered doing another sprint with the whole team in December, but came to the conclusion that especially in view of the upcoming version 12 such a sprint in 2023 is more target-oriented and the budget is used more profitably.

In particular, in order not to jeopardize the development of the v12 certification, it is important that we can continue to work seamlessly in 2023 and that the infrastructure (SkillDisplay) is also seamlessly available.

Members

Fortunately, we can announce that we have found new helpers. Wolfgang Wagner has joined the TCCI Task Force and Larissa Schlein is back from her baby break and will be back on the Education Committee.

I am also pleased that we were able to attract several individuals to the Education Committee during the T3CRR.

A thousand thanks go to all the members of the Education Committee who are doing a great job and are committed to the project.

Goals for 2023

Get Ready for 12LTS

As TYPO3 12 LTS will be released in April 2023, we need to prepare our question pool. Currently we are already looking at the new features of TYPO3 12. The first big joint sprint 2023 of the Education Committee will take place on April 27th and 28th in Düsseldorf.

After that, the task forces will start working on converting the tests to the new LTS version. If anyone would like to join the Education Committee to assist us, we would be very pleased.

Toolchain

After our main goal, the delivery of the 12LTS questions in a timely manner after the LTS release, is achieved, we will turn our attention to revising our toolchain. As said before, we are already in exchange with the TYPO3 GmbH regarding these issues.

Event Team

by Rachel Foucard (rachel.foucard@typo3.org)

One of the TYPO3 Association's goals is to bring the community together through events for informational and educational purposes.

TYPO3 GmbH supports the committee and takes care of the significant official TYPO3 events organization, such as the Developer Days.

In addition, the TYPO3 Event Committee assists, if necessary, the organizers of smaller TYPO3 events like TYPO3camps by providing them with helpful information and advice.

In 2022 the committee did not manage any particular project and simply provided contact for event organizers who needed assistance. No requests for assistance were made in 2022.

Localization Team

by Peter Kraume (peter.kraume@typo3.org)

In Summer 2022 Peter Kraume took over the lead for the team from Georg Ringer who will still be a member of the team.

In a first team meeting we gathered the former team members as well as members of different other teams like the server team, which maintains the technical infrastructure, or the core team and the TYPO3 GmbH.

Shutdown of Pootle

As a first goal it was decided to shut down the old translation infrastructure with the Pootle Server which has been superseded by the Crowdin integration which has been introduced with TYPO3 v9 and is the default since TYPO3 v10. This will not affect any of the existing translations for older TYPO3 versions because the translation files which will be fetched from TYPO3 installations are stored on a different server. More details on the shutdown will be published in Spring 2023.

Goals for 2023

For 2023 regular team meetings are planned. Furthermore the team plans to attend one of the community sprints which will be hosted by the TYPO3 GmbH in July and November.

The team wants to work on improved documentation of the translation process in Crowdin and how extension developers can use Crowdin.

Marketing Team

by Luisa Faßbender (luisa.fassbender@typo3.org)

As in the years before, the Marketing Team has gone through some structural changes in 2022 with a few people leaving and joining the team. We were however able to grow our Marketing Team after all with attendees from New Zealand and the US – making us truly international :-) With alternating meeting schedules for topic discussions and project management meetings, work and decision making has been really efficient and goal orientated.

Release Communication & Storyline for v12 LTS

The Marketing Team is currently creating all public release materials for TYPO3 version 12.4 LTS in close collaboration with the Core Team and Art Director Markus Schwarz from the GmbH. To improve the existing material base from former releases, we have created a variety of additional material types.

In detail, the materials include:
- Release material page as well as all corresponding sub pages on typo3.com
- LTS Release Presentation
- Social media banners
- Highlight presentations for different target user groups
- Press release
- Comic Strip for LTS release
- Beginners Guide to v12.0 in Documentation
- "What's new" videos
- corresponding social media messages for LinkedIn, Xing, Twitter & Co.

The story behind v12:
The main goal is to emphasize the increased performance of the newest version and focus on the keywords speed, performance and the topic of extensibility. TYPO3 v12 is obviously going to be the best version so far and exceed all other versions. Therefore, we figured it would make sense to thematically link it to a certain level of specialness. Since the DevDays 2022 have already been superhero-themed, we wanted to keep that theme for the v12 story and use some of the already existing and pretty well known design aspects.

Additionally, we have a lot of creative freedom slogan- and design-wise for all upcoming releases when sticking to the superhero-theme. Whichever features end up making it into core for the next minor releases – there's probably going to be a fitting superhero narrative surrounding that.

Finally, the theme / topic automatically manifests several benefitting statements in peoples' minds – i.e. „strong, reliable, fast,..” TYPO3 v12.4 LTS will be „the hero to come and save the day".

Concepts for minor releases:
- v12.0 – Release your power
- v12.1 – Together As One
- v12.2 – Around The World
- v12.3 – FREEZE
- v12.4 LTS – Here To Save The Day

Execution of High-Level Marketing Goals

In 2022, we've created an overarching (meaning including TYPO3 Association and TYPO3 GmbH) set of marketing and communication goals. These goals reflected current challenges we were facing such as "Increasing Product Adoption and Brand Awareness in New Markets", "Retain and Increase TYPO3 Association Memberships" and "Increase TYPO3 Retention and Upgrades". Therefore, we put a lot of effort into creating communication campaigns surrounding these goals.

typo3.org relaunch

In collaboration with the TYPO3 Core Team, the T3O-Team and OSP, we have further developed the project „typo3.org relaunch" and thereby started the execution of the letter of intent. Due to external influences the project lost some traction in 2022, but we've picked things up again to get everything running. We've already created the Photoshop files for the new layout as well as a click-dummy for testing purposes. Additionally, the majority of new content pages are currently in production and/or being reviewed in the project team.

Security Team

by Oliver Hader (oliver.hader@typo3.org)

Budget

period	total	Q1 2022	Q2 2022	Q3 2022	Q4 2022
1 PSIRT	**14,676.20 €**	0.00 €	2,191.20 €	1,952.50 €	10,532.50 €
2 Events	**177.80 €**	0.00 €	177.80 €	0.00 €	0.00 €
3 SAST	**1,306.25 €**	0.00 €	371.25 €	935.00 €	0.00 €
4 Bounty	**~10,715.18 €**	0.00 €	0.00 €	~6,950.00 €	3,765.18 €
total	**26,875.43 €**	0.00 €	2,740.25 €	9.837.50 €	14,297.68 €

Budget usage per purpose

The purpose "4 Bounty" of Q3 2022 contains a payment of 5,000.00 $ to huntr.dev which was approximated to 5,100.00 € due to currency conversion and SWIFT banking fees. This does not reflect the exact amount, since we don't have any insight into the actual booking handled by the back office of the TYPO3 Association.

The purpose "4 Bounty" of Q4 2022 contains a sponsoring payment of 2,000.00 € to PHPUnit which is an essential tool in TYPO3's quality assurance process - for both, TYPO3 core and security releases.

On July 26th, 2022 we informed the BCC of the TYPO3 Association, that the purpose "3 Events" can be reduced by 6,000.00 € and reallocated to other projects. This is basically due to the fact that participation in events is still cautious, and TYPO3 GmbH paid completely for accommodation.

In total, two-thirds (67%) of the allocated budget of 40,000.00 € have been used in 2022. As a result, we handed in a reduced budget application of 25,000.00 € for 2023.

Activities

Events

Two team members participated in a TYPO3 Community Sprint in July 2022 in Düsseldorf. However, security topics have not been the only focus during that time. A scheduled talk about security aspects during the TYPO3 Developer Days 2022 had to be canceled on short notice, due to illness.

Security Incident Handling

The TYPO3 Security Team - as Product Security Incident Response Team (PSIRT) - has coordinated reported vulnerabilities with corresponding maintainers and reporters/researchers. Following figures reflect released and published advisories during the underlying reporting period.

Besides reports on code vulnerabilities in the TYPO3 core or corresponding 3rd party extensions - find statistics below, we receive, analyze and coordinate a significant amount of findings on typo3.org and typo3.com infrastructure.

period	total (core / ext)	Q1 2022 (core / ext)	Q2 2022 (core / ext)	Q3 2022 (core / ext)	Q4 2022 (core / ext)
low	**1** **(0 / 1)**	1 (0 / 1)	0	0	0
medium	**29** **(16 / 13)**	2 (0 / 2)	13 (5 / 8)	6 (6 / 0)	8 (5 / 3)
high	**4** **(1 / 3)**	1 (0 / 1)	0	1 (0 / 1)	2 (1 / 1)
critical	**1** **(0 / 1)**	0	1 (0 / 1)	0	0
total	**35** **(17 / 18)**	4 (0 / 4)	14 (5 / 9)	7 (6 / 1)	10 (6 / 4)

Incident Handling for TYPO3 CMS core and extensions

Static Application Security Testing (SAST)

No activities in Q3 2022 & Q4 2022.

The main missing aspect is to scan all extensions in the TYPO3 Extension Repository and to find a way to present potential results to the actual extension maintainers - without having much manual involvement like email communication.

Bug Bounty Program

In total 16 rewards have been granted, and finally paid out to reporters using the reimbursement tool. The amount of granted bug bounties is lower than the actual amount of coordinated advisories - basically since vulnerabilities were reported directly by extension authors, or were discovered by the TYPO3 security and core teams.

To advertise TYPO3 outside the existing bubble, the TYPO3 prize pot at huntr.dev has been financed by a total of 5,000.00 $ (4,000.00 $ for rewards, 1,000.00 $ as commission to huntr.dev). This platform only concentrates on the listed GitHub package typo3/typo3 and therefore only concerns the bounty program for our main product TYPO3 CMS.

TYPO3 CMS

CKEditor5 has been introduced in the core of TYPO3 CMS, which finally allows to enforce content security policy (CSP) in the TYPO3 backend. Besides that, configurable password policies have been added as a feature. Both changes were shipped with TYPO3 v12.0.

As a result of steady exchange with GitHub on security advisories and reporting, TYPO3 was announced as a launch partner during GitHub Universe 2022 for this new security feature.

Outlook

Due to the lack of man-power we did not manage to provide a capture-the-flag scenario for the European Cyber Security Month. Currently the focus is to advertise the bounty program at huntr.dev and handle the potentially incoming reports.

It is difficult to find and motivate people that are willing to fix the vulnerabilities that have been reported for TYPO3 CMS. Even if we offer money from the budget to individuals, there's a lack of response. As a result, the security team has to provide those fixes as well.

For 2023 we aim to support introducing more new security features for TYPO3 v12 LTS - like a content-security policy management module, and a further enhanced password policy handling.

Finding a way to establish a SAST mass extension scanner, having a corresponding vulnerability visualization, and being able to directly communicate with eligible maintainers is one of the important chances to secure 3rd party TYPO3 extensions further.

Server Team

by Andri Steiner (andri.steiner@typo3.org)

Migration to Container-Based Infrastructure

In 2022, we've been able to finish the migration to our container-based infrastructure. It took us several years to complete this, and we migrated about 30 different software stacks in this process. Nowadays, all those different applications run within their own container, which allows us to deliver updates and configuration changes in a timely and flexible manner for each application.

Redmine Update

One notable change was the update to Redmine 5 for forge.typo3.org, which we completed during the September community sprint. Before, the update was stuck for years, as we were unable to resolve some internal and external dependencies required to move to the new major version. The flexibility gained with the new container-based approach, and our team effort to clean up all custom modifications within Redmine, allowed us to move forward finally.

GDPR-compliant User Removals

More important work has been done around GDPR-compliant user removals. Nowadays, a TYPO3.org user can self-remove its account on my.typo3.org. This request is then forwarded to us, and we remove and/or anonymize the user throughout our whole infrastructure. We began to automate this process, and will continue to add more and more applications. Our goal is to get rid of any manual labor involved, which will guarantee a complete and immediate removal when requested.

Software Update

Besides those major tasks, we spent our time keeping the software stack up-to-date and supporting our users with their inquiries. To help with all those tasks, we welcome Tomas Norre as a new member of our team.

Outlook

For 2023, we plan to continue to automate repetitive tasks like software updates and user deletions. Also, we aim to finally replace the mailing list servers, which are the last services running on outdated infrastructure, and need some more work to resolve external dependencies.

typo3.org Team

by Thomas Löffler (thomas.loeffler@typo3.org)

In 2022 we started with physical sprints as part of the TYPO3 community sprints at the GmbH in Düsseldorf. Mainly we did maintenance and several updates. We upgraded typo3.org to v11.

General

We prepared our budget for 2022 for working completely remote, and envisioned some ambitious projects for our websites and infrastructure. Some of them we managed to complete but most of them could not even be started due to the lack of contributions.

Project typo3.org

Here we mostly put time into the TYPO3 upgrade to version 11, which had a breaking change to handle: The login was moved from the direct connection to LDAP to the solution by the GmbH which is handled with keycloak and OAuth2.

Project extensions.typo3.org

- Preparation for TYPO3 v11 upgrade
- Integration of Verified Extensions

Project voting.typo3.org

- Only bugfixing

Outlook

For 2023 we plan to still have the t3o Remote Days, but will manage one or two in-place Team Sprints to attract new and old contributors!

UX Team

by Rachel Foucard (rachel.foucard@typo3.org)

Improving the TYPO3 UX Maturity

The UX maturity of a product is evaluated along six levels, starting from the absent status to the user-driven status. A maturity level is evaluated according to four main axes: strategy, culture, processes, and outcomes.

When we founded the UX Team we judged the TYPO3 product to be at level 3—which is an excellent level for an open-source project without a dedicated UX team.

There was no global UX picture, which is only natural, since there was no UX team to build it. However, the organization's culture always took UX as a nice to have topic and the developers often took care of this aspect in their new features. The processes were built to maintain and improve the existing product, without UX steps in the workflow. This is again logical and normal, considering the missing dedicated team. There were no metrics to track the UX results of interface changes.
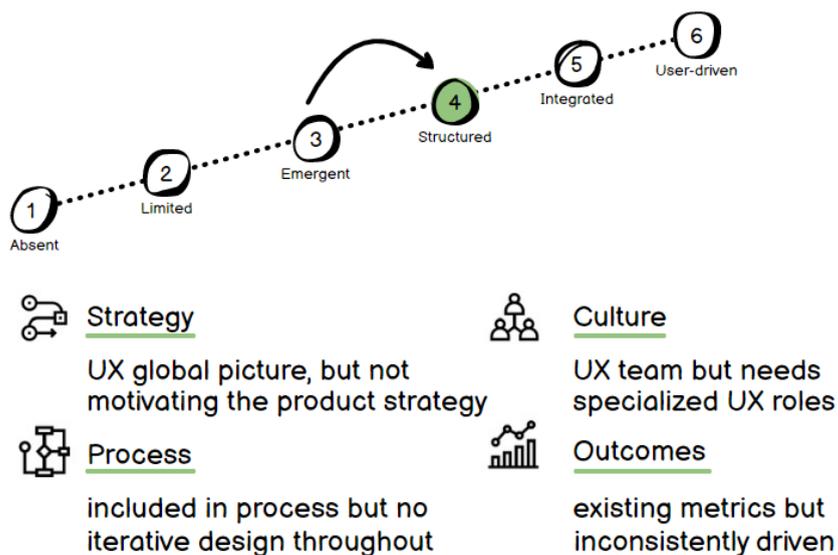

Our goal was to first move from level 3 to level 4. We decided to:
- Found a dedicated team (done)
- Build a global UX picture (done)
- Integrate UX tasks into workflows (WIP)
- Set up metrics to track results (WIP)

This is only level 4. TYPO3 UX will be structured but still not fully integrated. We still have work to do to reach level 5.

Building TYPO3 UX Strategy

The UX strategy is the foundation on which we find meaning in the execution. The vision tells us where we want to go and more importantly why. Then, we can set the goals and see how we get there. Finally, we can make a real plan, and decide who does what and when.
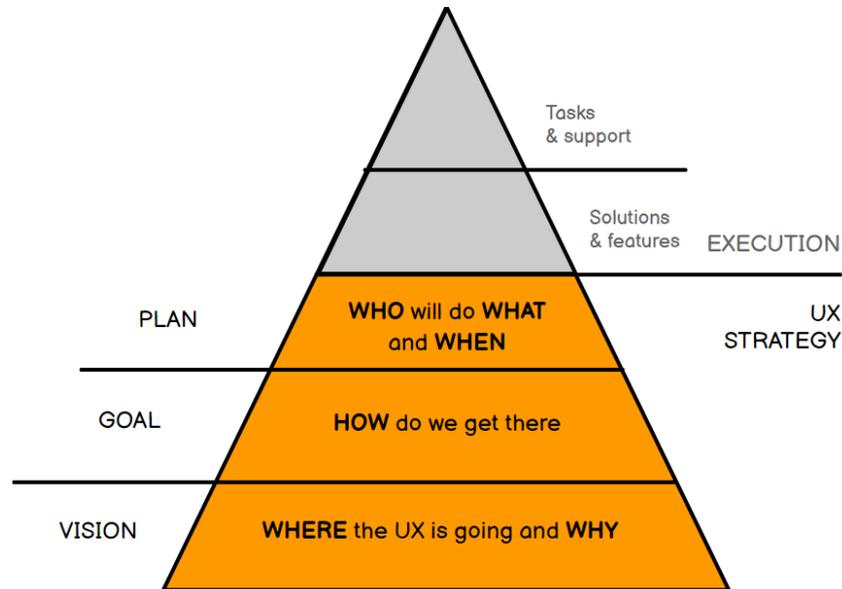

Building the TYPO3 UX Big Picture

TYPO3 users should have a professional experience when using TYPO3.
When we think professional, we think:
- High quality: The generated contents respect the standards, the best practices, and are secured. The user can trust the information displayed, the tool does not mislead.
- Productivity: The user can handle a large amount of websites, languages, pages, contents, or editors.
- Efficiency: The user can perform tasks efficiently, whether they are one-off tasks or mass actions. Content is the value that the user is generating, so they must be able to create it fast and easily.
- To sum it all up in one sentence: Users get more results with less effort and less time.

We then decided to use the Kaisen 5S method as an inspiration and translate it into a guidance for our users. The 5S main goal is to maintain a pleasant and efficient professional working area, and this is exactly what we want for our users.
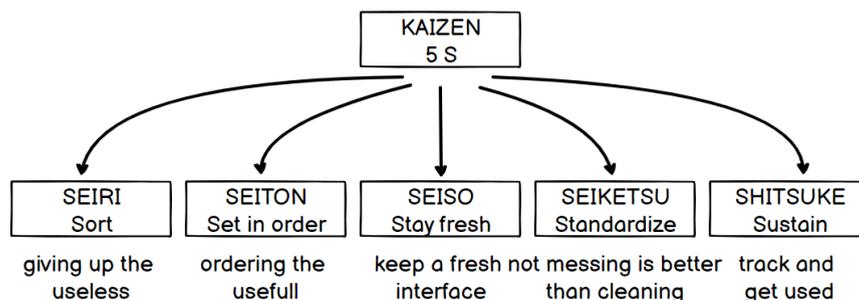
Organizing our UX Concepts in categories

UX work is based on concepts. When we want to create, improve or change something, we call it a concept. So we started to find concept categories (or thematics) that would be consistent with our main goals. It means that UX concepts that don't fit into these goals won't be our priority for the next TYPO3 version.

The 5 categories are:
- **Keep the House Clean**, to help end-users not mess up the TYPO3 backend.
- **Better use of space**, to help end-users work efficiently.
- **Keep a fresh look and feel**, to ensure that-end users will enjoy using the TYPO3 backend.
- **Track and maintain**: another task that is longer term and will continue through the releases is to gradually build a component system for developers and integrators.
- **Clear standards**: then, as good practices are implemented in the backend, the dashboard widgets will finally make sense, and help users sustain their TYPO3 backend cleanliness.

Communication and Events

We presented our work writing some articles in the typo3.org website and during the TYPO3 DevDays 2022. We will continue to promote our work during TYPO3 camps and plan to give a talk in the 2023 TYPO3 DevDays too.

Next steps for 2023

Core team and UX team workflow

We need to finish and validate with the Core Team a workflow that works well and allows UX members and developers to work better as a team. This task has priority over all others, because without this workflow we will create concepts that will never be developed and integrated into the TYPO3 backend.

End User testing workflow

We subscribe to a Userbrain account and will set scenarii for end user testing. We will test the actual backend and also our prototypes to see the end users' reactions in videos. The end users will be users that never used TYPO3 and also TYPO3 editors.

Documentation

An additional UX good practices chapter will be added to the actual TYPO3 documentation so that TYPO3 developers can follow some UX recommendations for their backend modules.

Best Practices Team

by Daniel Siepmann (daniel.siepmann@typo3.org)

The Best Practices Team is a new team. In 2022 the work started to transform the TYPO3 Quality Assurance Initiative into a team.

What we accomplished in 2022

Existing reports:

- https://typo3.org/article/report-from-the-typo3-quality-assurance-initiative
- https://typo3.org/article/typo3-demo-and-qa-best-practices-join-forces
- https://typo3.org/article/teaming-up-for-better-extensions

Highlights

1. We became a team (in 2023).
2. Oliver Klee provided several talks at TYPO3 Dev Days.
3. EXT:tea became compatible with v12

Joining efforts with demo team

We tried to join efforts with the demo team, which now no longer exists.
It took some time, meetings, and we created blog posts.
It was frustrating to see so much effort without any real outcome.

Becoming a team

We asked the TYPO3 Association to become a team after several years of working as an initiative. We created the corresponding team page:
https://typo3.org/community/teams/best-practices and we joined all team leader meetings.

Real Life

The whole team joined TYPO3 Developer Days.

Oliver Klee provided the following talks:
- Software quality for TYPO3 projects: A story of cheese, games and tools
- Getting started with test-driven development with PHPUnit - Part 1 - Part 3

Gathering feedback

Daniel Siepmann gathered feedback from people not being part of the team but involved with the team.
This feedback was discussed within the team and the team created tasks to improve based on the feedback.

Work on EXT:tea

Our main focus until now was the EXT:tea that works as best practice example extension for developers. It demonstrates how to set up CI on GitHub and GitLab ensure automated quality through automated tests and static analysers.

- switched to the core testing framework
- added Dependabot
- stabilized xliff linting
- published v2.0.0 of EXT:tea supporting 10 and 11 LTS dropping 9 LTS
- test against highest and lowest dependencies
- published v3.0.0 of EXT:tea supporting 11 and 12 dropping 10 LTS
- migrated away from prophecy

Roadmap

- Get the Tea extension compatible with the upcoming 12.x releases once they're released
- Improve the documentation to make it more useful
- Integrate runtests.sh with the help/contribution of Stefan Bürk
- Add more features that make good examples for the Extbase documentation, as requested by Lina Wolf / Documentation Team
- Join efforts with t3o Team in using demo.typo3.org as best practice example for Projects (besides EXT:tea for extensions)

Contact

Head over to our team page: https://typo3.org/community/teams/best-practices You can find all the information there.

Feel free to contact myself (as stated on the team page): Daniel Siepmann daniel.siepmann@typo3.org.

Team Motivation Team

by Oliver Klee (typo3-coding@oliverklee.de)

The Team Motivation Team has the mission to create a ready-to-use concept to increase motivation in teams and at code sprints, and to form a group of experts on motivational psychology.

If you'd like to join, please contact Oliver Klee, either on the TYPO3 Slack or via email at typo3-coding@oliverklee.de.

What was accomplished in 2022

- 8 team members worked in our team in 2022 (which resulted in the same number of character sheets identifying our superpowers, quirks, personality traits and motivational profiles).
- We set up a Discord server (as the group is open for members from other communities as well)
- We created 31 internal quests and achievements that organize and track the work we do, using a beautiful Miro board and Google Docs.
- We gave 2 sessions at camps and conferences where we presented our team and our plans.
- We tried out and refined a concept for team building and work organization.
- We started a knowledge base about motivation and gamification.
- One team member finished the full training as an expert on motivation:
    - complete our internal knowledge questline
    - complete the Coursera course on gamification
    - complete the Coursera course on self-determination theory
- We analyzed 6 games and gamified systems on how they achieve motivation:
    - Activity (board game)
    - Dorfromantik (video game)
    - Duolingo (gamified language learning app)
    - Simon's Cat (video game)
    - The Elder Scrolls Online (video game)
    - Witchstone (board game)
- Some team members met at the T3DD22 for a board gaming night.

Let's see!

Quest Map
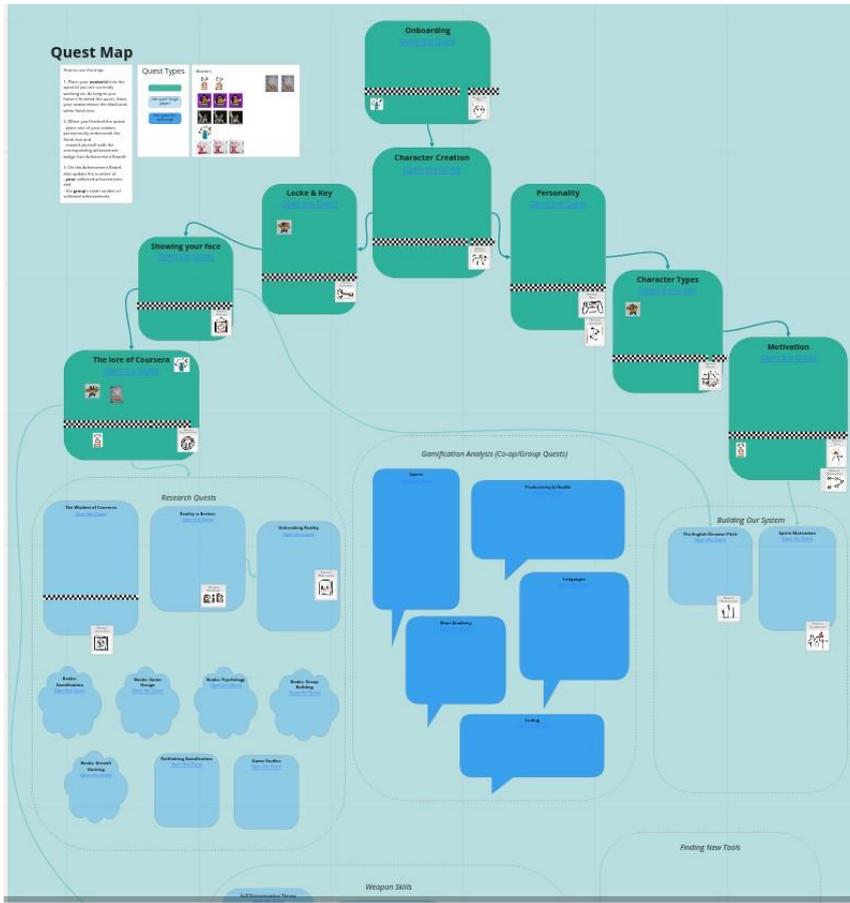
A Character Sheet
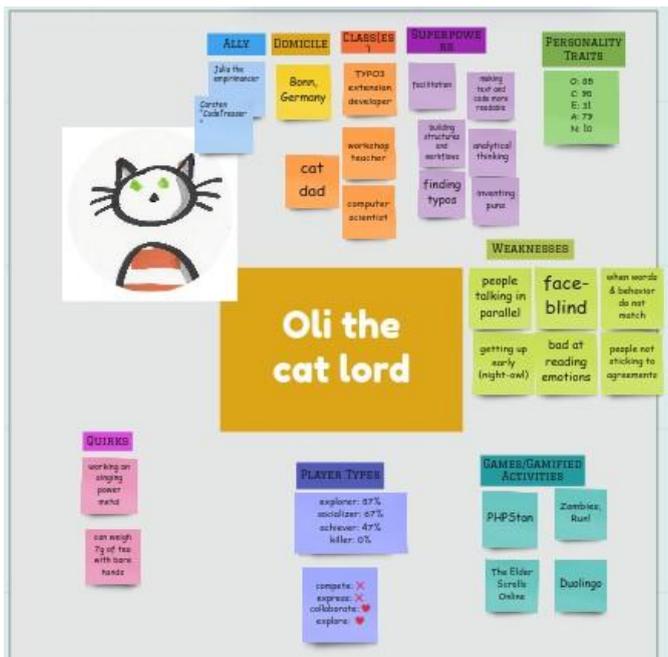
Plans for 2023

- recruit more team members
- give at least 1 more session at a camp
- get at least 3 team members fully trained as experts on motivation
- get at least 1 team member trained in EMPAMOS (Empirical Analysis of Motivational game elements - A scientifically developed toolbox to increase motivation in work environments; Institute of Technology Nürnberg)
- identify the first 8 motivation concept building blocks we want to work on
- build 2 motivation concept building blocks
- find a team or code sprint that would be interested in alpha-testing our concept
- get a budget for 2024

Ombudsperson Group

by Mathias Bolt Lesniak (mathias.bolt.lesniak@typo3.org)

The TYPO3 Ombudsperson Group is an official committee that ensures the wellbeing of everyone in the community through education about and enforcement of the Code of Conduct.

In case of a presumed violation of the Code of Conduct, the ombudspersons can always be contacted at ombudsperson@typo3.org or through the [report form](). All reports sent to the Ombudsperson Group are treated confidentially. It is possible to contact us anonymously.

Highlights of 2022

- The TYPO3 Code of Conduct was approved by a community vote.
- The Code of Conduct is now available in 16 languages.
- Our first incident response team was active at the Developer Days.

Meetings and Activities

The Ombudsperson Group met approximately every month during the year. The meetings included further developing the group's structure and processes.

As the Code of Conduct saw interest from other communities, the committee decided that it should be released under a Creative Commons Attribution 4.0 International (CC BY 4.0) license.