

CMS Certified Consultant 14 LTS

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CMS Basics

About a CMS

A content management system (CMS) is a software application for the collaborative creation, organization and editing of content, primarily in the online area.

Maintainer: TYPO3 (Stephan Lukow)

Frontend and backend

The website, or respectively layout and content output, is called a frontend. Pages and contents are maintained in the backend, and then displayed in the frontend.

Maintainer: TYPO3 (Torben Freudewald)

Choosing a secure password

The security of your own data, as well as the security of each organization, depends largely on the choice of secure passwords. Too simple, too short or repetitive passwords are often hacked and misused.

Maintainer: TYPO3 (Torben Freudewald)

Backend account

Access to the backend is secured by a login (username and password). A backend user can be granted rights to work with modules, pages, and content. Backend users can be grouped for easy management. For any credential issues I know how to reset my password or that the administrator is to be contacted for further issues.

Maintainer: TYPO3 (Torben Freudewald)

About backend users and backend user groups

Users of a content management system can have different permissions. This allows users to focus on the features that are relevant to them.

Maintainer: TYPO3 (Torben Freudewald)

Roles in TYPO3

In content management systems, people who work with the system can have one or more roles. TYPO3 established 4 core roles, which are backed by official certification.

Maintainer: TYPO3 (Torben Freudewald)

Basic usage of a browser

A browser is the central application for viewing and using information on the internet. In addition to accessing or displaying web pages, web applications such as a content management system can be used. With a browser form fields can be filled out and submitted to interact with a web application.

Maintainer: TYPO3 (Torben Freudewald)

Backend Structure

The backend is divided into specific navigation components. A distinction is made between top bar, module menu, page tree, docheader, content area, directory tree and directory contents.

Maintainer: TYPO3 (Torben Freudewald)

Working with translations

TYPO3 offers the function to deliver contents, datasets as well as metadata multilingual. Content elements can be translated via a "free" or "connected" mode. The number of languages that can be editorially recorded is not limited in TYPO3.

Maintainer: TYPO3 (Torben Freudewald)

TYPO3 Basics

About TYPO3

TYPO3 is an open-source enterprise content management system (CMS). The system offers a wide range of functions out of the box and can be extended by extensions. The software license (GPL) lets everyone access, read, copy, distribute, and modify the source code which is freely available. TYPO3 is well documented at <https://docs.typo3.org>.

Maintainer: TYPO3 (Torben Freudewald)

TYPO3 Community

The TYPO3 community consists of everyone who uses TYPO3 as an editor or develops it further as a developer, integrator or agency. The community organizes events like Usergroup meetings and TYPO3Camps. Everyone can participate in different teams to bring the TYPO3 project forward.

Maintainer: TYPO3 (Oliver Thiele)

TYPO3 Association

The TYPO3 Association builds the groundwork for the TYPO3 project and empowers the TYPO3 community with infrastructure and guidance.

Maintainer: TYPO3 (Oliver Thiele)

Media Management

Rich Text Editor

Overview of the basics and functions provided by the included text editor. Rich text fields are fields, which may contain text with markup. For example for adding a style such as bold, using lists or enumerations, headlines or adding links.

Maintainer: TYPO3 (Torben Freudewald)

CSV - Character Separated Values

CSV files are used to exchange data between different computer systems. The editor must know how these files are structured so that they can be exported and additionally how they can be processed by TYPO3 without errors.

Maintainer: TYPO3 (Torben Freudewald)

Media in TYPO3

With a content management system, different media such as images, videos, texts, PDF's and other file formats can be managed and made accessible via the browser.

Maintainer: TYPO3 (Torben Freudewald)

Character Encoding

Assigning numbers to graphical characters for storing and transmitting them with computers.

Maintainer: TYPO3 (Torben Freudewald)

Copyright and data protection

By using external files, for example images or videos, the copyright must be considered. When handling with information relating to an identifiable person the (country specific) legal situation must be considered.

Maintainer: TYPO3 (Torben Freudewald)

TYPO3 Handling

Content elements

When using content elements, the editor must be able to use elements such as text, media, tables and predefined forms while paying attention to responsiveness, semantics and accessibility. When adding media, users know about the ability to upload and embed the various image and video formats, and crop images using the cropping tool.

Maintainer: TYPO3 (Torben Freudewald)

Access Control

The access control can be used to manage and restrict access to pages, content elements and other information for a specified period of time. It can also be used to set up a restricted area where visitors can log in to view content.

Maintainer: TYPO3 (Torben Freudewald)

Page properties

The TYPO3 user knows about the properties and how these can affect the page in different ways. Besides the general options such as page types and title information, the user is aware that the appearance can be changed by the given options and affect the page layout in the frontend, caching, SEO specific and social media related possibilities.

Maintainer: TYPO3 (Torben Freudewald)

Working with data records

In order to be able to manage individual data types, it is possible to manage own data record formats in TYPO3. These can be adapted exactly to the specific requirements of a website.

Maintainer: TYPO3 (Torben Freudewald)

Page

An editor can use different page types to influence the behavior of a page in the frontend and the presentation in the navigation. The editor needs to know how pages in the page tree can be structured and managed, and how that affects the output.

Maintainer: TYPO3 (Torben Freudewald)

Target Group Optimization

Web accessibility

To make a website accessible to as many people as possible, a user must know the basics of accessible websites.

Maintainer: TYPO3 (Torben Freudewald)

SEO (Technical)

The editor is aware of the relevance of duplicate content on websites and the consequences for search engine results. By using canonical links properly, an editor knows how to prevent duplicate content issues. Furthermore, the editor has knowledge about forcing robots not to index the content of a page, and/or not scan it for links to follow. The editor knows what an XML Sitemap is and that it is used to give search engines information about the structure of the website.

Maintainer: TYPO3 (Torben Freudewald)

Social Media

Social media platforms are a collective of online communication channels used for community-based input, content-sharing, collaboration and interaction. Links that are placed on social media platforms, such as X or Facebook, can be enriched with additional information about the targeted website and encourage the user to follow the link.

Maintainer: TYPO3 (Torben Freudewald)

URL redirect Basics

The user knows the effects in terms of SEO and backlinks in a subsequent change of a URL. The user knows how to minimize the negative effects by defining redirects.

Maintainer: TYPO3 (Torben Freudewald)

SEO/GEO (On-Page)

With the help of TYPO3, the user can easily optimize the visibility of content in search engines.

Maintainer: TYPO3 (Torben Freudewald)

Security

About the TYPO3 Security Team

How to deal with security issues, both found and reported.

Maintainer: TYPO3 (Oliver Thiele)

Security best practices in TYPO3

As a TYPO3 integrator I know the different types of security vulnerabilities and how to secure a TYPO3 installation.

Maintainer: TYPO3 (Oliver Thiele)

Multi-Factor Authentication (MFA) configuration

MFA can be configured for individual users/groups and extended by extensions.

Maintainer: TYPO3 (Oliver Thiele)

Handling Security Vulnerabilities

Understand the necessary steps to inform the TYPO3 Security Team and take appropriate action when identifying a security vulnerability in TYPO3.

Maintainer: TYPO3 (Korbinian Kugelman)

Securing a TYPO3 installation

Implementing robust security measures is crucial for protecting TYPO3 installations from potential threats and vulnerabilities.

Understand security guidelines and best practices to assess and enhance the security of TYPO3 installations, to safeguard sensitive data and ensure the integrity of websites.

Maintainer: TYPO3 (Korbinian Kugelman)

Dealing with a hacked TYPO3 website

Learn how to respond effectively when a TYPO3 website is compromised, including identifying signs of a hack, securing the website and preventing future incidents.

Maintainer: TYPO3 (Korbinian Kugelman)

Securing and Extending the Backend Login

Enhancing the TYPO3 backend login with multi-factor authentication and other secure authentication methods ensures robust security. Understanding available extensions and SSO integration options improves account protection, supports compliance, and simplifies user access management.

Maintainer: TYPO3 (Korbinian Kugelman)

Understanding Security Advisories

Understanding security advisories and metrics enables you to evaluate vulnerabilities, estimate impact, and guide project decisions in TYPO3. By knowing where to find advisories, guidelines, and using frameworks like CVSS, you ensure well-informed, secure consultancy.

Maintainer: TYPO3 (Korbinian Kugelman)

Extensions

TYPO3 Extension Repository (TER)

Knowledge about the standard extension hub of TYPO3.

Maintainer: TYPO3 (Oliver Thiele)

TypoScript

TypoScript Syntax & Basics

Basic knowledge of TypoScript and its syntax

Maintainer: TYPO3 (Oliver Thiele)

Security Concepts

Web Vulnerability Types

This skill covers knowledge about possible security issues in web development.

Maintainer: TYPO3 (Andreas Wolf)

Accessibility

TYPO3 Accessibility: Working with images

Including images in TYPO3 websites in an accessible manner is important to ensure that users with disabilities can perceive and understand the visual content.

Maintainer: TYPO3 (Korbinian Kugelmann)

Accessibility: Accessible Frontend (technical)

Building an accessible frontend in TYPO3 is essential to ensure that all users can use and enjoy websites, regardless of their abilities or disabilities. Consultants must possess the skills to concept accessible websites in TYPO3, adhering to established accessibility guidelines and best practices.

Maintainer: TYPO3 (Korbinian Kugelmann)

Accessible Backend (technical)

Developing an accessible backend in TYPO3 is a constantly evolving process to enable all users, regardless of their abilities or disabilities, to manage a TYPO3 website in the future. Consultants have to know the current state of accessibility of the TYPO3 backend.

Maintainer: TYPO3 (Korbinian Kugelmann)

Accessibility: Basic knowledge

Web accessibility is critical to creating inclusive and user-friendly websites that can be accessed and used by all individuals, including those with disabilities.

Maintainer: TYPO3 (Korbinian Kugelmann)

Development Workflow

Handling personal data in different environments

Properly handling personal data in local and staging environments ensures compliance and protects user privacy. By recognizing sensitive data, applying minimization, anonymization, and pseudonymization, developers maintain a secure, privacy-focused development workflow.

Maintainer: TYPO3 (Korbinian Kugelmann)

Testing and Quality Assurance

Understanding the importance of testing and quality assurance involves knowledge of testing methodologies, quality assurance processes, and the significance of ensuring the reliability and functionality of TYPO3 websites.

Maintainer: TYPO3 (Korbinian Kugelmann)

Understanding development workflows

Acquire the knowledge and understanding of best practices for working with different environments. Learn the importance of avoiding direct code changes on live systems and the benefits of implementing automated deployment processes.

Maintainer: TYPO3 (Korbinian Kugelmann)

Package Managers

Package managers like Composer are used in TYPO3 to simplify the management of dependencies. They automate the installation, updating, and autoloading of extensions, libraries or modules required by the project.

Maintainer: TYPO3 (Korbinian Kugelmann)

Version Control Management

Knowledge of version control management enables effective collaboration and code management in TYPO3 projects and involves understanding the concepts and principles of version control and its significance in maintaining code integrity, enabling collaboration, and tracking changes.

Maintainer: TYPO3 (Korbinian Kugelman)

Code stability and integrity

Changing TYPO3 core or third-party code can destabilize systems and create maintenance challenges. Understanding best practices helps ensure stability, compatibility, and security. Consultants should advise against altering core code, instead promoting proper version control and recommended extension approaches.

Maintainer: TYPO3 (Korbinian Kugelman)

Requirements Engineering

Kano Model

The Kano Model is valuable for understanding and prioritizing client requirements and satisfaction. By utilizing the Kano Model, consultants can effectively identify and prioritize features and functionalities that will deliver the highest value to clients.

Maintainer: TYPO3 (Korbinian Kugelman)

Requirements Engineering

Requirements engineering is widely used in project management and software development. This skill involves discovering, analyzing, documenting, and managing requirements effectively. It encompasses understanding different types of requirements, managing stakeholders, and ensuring proper ticket management for each issue.

Maintainer: TYPO3 (Korbinian Kugelman)

Editorial Possibilities

SEO: Page Metadata

Understanding the purpose of metadata for websites and the possibilities of configuring and editing metadata. This skill involves knowledge of the principles, requirements, and best practices for ensuring the proper use of metadata for search engine optimization (SEO).

Maintainer: TYPO3 (Korbinian Kugelman)

SEO: Content migrations and website relaunches

When migrating content in TYPO3, it is essential to consider the impact on Search Engine Optimization (SEO). Content migrations, e.g. during a relaunch, best practices include a way that preserves SEO rankings, ensures a smooth transition, and avoids potential negative impacts on search engine visibility.

Maintainer: TYPO3 (Korbinian Kugelman)

SEO: Basic knowledge

Acquire a foundational understanding of basic Search Engine Optimization (SEO) principles to enhance website visibility and search engine rankings, including awareness of duplicate content and proper use of redirects.

Maintainer: TYPO3 (Korbinian Kugelman)

Supported video formats

Working with videos in TYPO3 requires understanding the supported video formats to ensure compatibility and optimal playback across different devices and browsers.

Maintainer: TYPO3 (Korbinian Kugelman)

Supported image formats and capabilities

Understanding the capabilities of TYPO3 in handling image files, including cropping, supported image formats, and responsive image techniques.

Maintainer: TYPO3 (Korbinian Kugelman)

Staging and publishing content on a TYPO3 website

This skill focuses on staging and publishing content on a TYPO3 website. It involves understanding the workflow and tools available within TYPO3 to facilitate the smooth transition of content from staging environments to live production environments or within live production environments.

Maintainer: TYPO3 (Korbinian Kugelman)

Translations and localizations

Handling TYPO3 translation and localization involves creating multilingual content and adapting it to regional contexts.

Maintainer: TYPO3 (Korbinian Kugelman)

Content Migration and Data Transfer (Export / Import)

The transfer of content between TYPO3 installations is a common requirement in scenarios such as system upgrades, relaunches, or migrations to new environments. The system extension Import/Export (typo3/impexp) provides a standardized mechanism to export structured content (including pages, records, and file references) and import it into another TYPO3 installation. A conceptual understanding of these mechanisms is essential for consultants to assess feasibility, risks, compatibility, and effort when planning migrations or system updates.

Maintainer: TYPO3 (Korbinian Kugelman)

Agile Software Development

Agile: Scrum

Gain a foundational understanding of the Scrum methodology and its application in agile project management.

Maintainer: TYPO3 (Korbinian Kugelman)

Agile: Manifesto

Acquire a basic understanding of the Agile Manifesto, its principles, and its significance in modern project management approaches.

Maintainer: TYPO3 (Korbinian Kugelman)

Agile: Kanban

Understand the Kanban methodology and its application in project management and workflow optimization.

Maintainer: TYPO3 (Korbinian Kugelman)

Agile: Basics of agile software development

Agile software development is an iterative and customer-centric approach to delivering solutions efficiently and effectively. Different agile frameworks, including Scrum, Kanban, and Kaizen, are used to streamline development processes, foster collaboration, and continuously improve projects.

Maintainer: TYPO3 (Korbinian Kugelman)

Legal

GNU General Public License (GPL)

Understanding the GNU General Public License (GPL) involves knowledge of the GPL's principles, terms and implications for using, modifying and distributing software licensed under the GPL. It encompasses an understanding of the open-source software movement, copyleft, and the freedoms and responsibilities granted by the GPL.

Maintainer: TYPO3 (Korbinian Kugelman)

Understanding GDPR

Understanding GDPR (General Data Protection Regulation) involves knowledge of the principles, requirements, and best practices for ensuring compliance with data protection laws. It includes understanding the considerations related to including external content on websites, such as players or like buttons, while maintaining user privacy.

Maintainer: TYPO3 (Korbinian Kugelman)

Conscious handling of data and records

Proper data governance in TYPO3 includes managing data lifecycles, reducing unnecessary personal data, and following guidelines. By minimizing stored data, it's easier to maintain compliance, protect against leaks, and uphold high data quality and security standards.

Maintainer: TYPO3 (Korbinian Kugelman)

TYPO3 Versions, Development Roadmap, Long Term Support

Maintenance

Regular updates and upgrades are vital for maintaining the stability, security, and functionality of TYPO3 installations. Keeping TYPO3 installations up-to-date with the latest security patches is crucial for protecting against emerging threats and vulnerabilities.

Maintainer: TYPO3 (Korbinian Kugelman)

Extended Long-Term Support (ELTS)

Extended Long-Term Support (ELTS) is a service provided by TYPO3 that offers extended support for older TYPO3 versions beyond their official end-of-life (EOL) dates. Understanding ELTS and its licensing is crucial for consultants to ensure compliance, support clients with legacy TYPO3 installations, and make informed decisions regarding using ELTS.

Maintainer: TYPO3 (Korbinian Kugelman)

TYPO3 CMS Versions and development Roadmap

Staying up-to-date with TYPO3 versions and clearly understanding of the development roadmap enables consultants to plan and execute TYPO3 projects effectively, leverage new features and

improvements, and provide informed recommendations to clients and stakeholders.

Maintainer: TYPO3 (Korbinian Kugelman)

Hosting, Server, Infrastructure

System requirements

Understanding server configuration specific to TYPO3 projects involves knowing the server requirements, software dependencies, and best practices for configuring servers to ensure optimal performance and security.

Maintainer: TYPO3 (Korbinian Kugelman)

TYPO3 Hosting: Scaling and Performance Optimization

Understand the principles and concepts of scaling and performance optimization in TYPO3 websites.

Maintainer: TYPO3 (Korbinian Kugelman)

Hosting environments

TYPO3 is compatible with different hosting environments, such as cloud hosting, in-house hosting, and traditional hosting providers.

Gain knowledge about the characteristics and advantages of possible hosting solutions.

TYPO3 Consultants know what to consider when choosing an appropriate hosting solution for a client.

Maintainer: TYPO3 (Korbinian Kugelman)

Containerised systems/hosting

Containerized hosting solutions (e.g., Kubernetes, Docker) streamline deployment, scaling, and updates. Understanding their benefits and complexities helps to advise on efficient, flexible hosting strategies that adapt to changing demands.

Maintainer: TYPO3 (Korbinian Kugelman)

Extending TYPO3

Apache Solr and EXT:solr

Understand the capabilities of Apache Solr and the Solr TYPO3 extension to enhance search functionality in TYPO3 websites.

Maintainer: TYPO3 (Korbinian Kugelman)

Search Engines (Solr, elasticsearch, Indexed Search, ke_search)

Understand the importance and functionality of onsite search engines in TYPO3 websites.

Learn how onsite search engines improve user experience, enhance navigation and enable users to find relevant content quickly

Maintainer: TYPO3 (Korbinian Kugelman)

News extension

The third-party TYPO3 extension "news" provides functionality for creating, managing, and

displaying news articles on TYPO3 websites.

Maintainer: TYPO3 (Korbinian Kugelman)

TYPO3 System Extensions

TYPO3 system extensions are core functionalities bundled with the platform. Understanding their purpose, configuration, and availability helps consultants guide clients in leveraging TYPO3's built-in features effectively, ensuring stable and well-structured projects.

Maintainer: TYPO3 (Korbinian Kugelman)

Closed user groups

Learn about closed user groups in the context of TYPO3 and explore the fundamental concept of restricted access to specific content and functionalities.

Maintainer: TYPO3 (Korbinian Kugelman)

Understanding Web Services / APIs

Web Services / APIs enable different software systems to communicate and interact, facilitating data exchange, integration with external services, and interoperability.

Understanding Web Services involves knowledge of what APIs are, their applications, and the considerations associated with their usage.

The TYPO3 core provides a convenient way to register to webhooks.

Maintainer: TYPO3 (Korbinian Kugelman)

Extension: Basics

TYPO3 extensions provide additional functionality and features to enhance the TYPO3 CMS. Learn the essential concepts, terminology and practices related to TYPO3 extensions in order to use them effectively in TYPO3 projects.

Maintainer: TYPO3 (Korbinian Kugelman)

System Requirements Search Engines

Understanding the system requirements for search engines (e.g. Solr, ke_search, elasticsearch, Indexed Search) is essential for consultants working with TYPO3 to ensure optimal performance and functionality of search functionalities.

Maintainer: TYPO3 (Korbinian Kugelman)

TYPO3 Administration

Multi-site setup

TYPO3 allows multiple sites to be managed within one TYPO3 installation. Understanding the advantages and disadvantages of this concept enables the consultant to advise clients on the best solution for their requirements.

Maintainer: TYPO3 (Korbinian Kugelman)

User permissions and user groups

User permissions and user groups in TYPO3 can be configured to manage access rights and control user interactions within the system. TYPO3 provides the ability to configure backend and frontend

users with different levels of rights and permissions.

Maintainer: TYPO3 (Korbinian Kugelman)

Multilanguage Setup

Implementing a multilanguage setup in TYPO3 allows the creation of websites that address a global audience and provide content in multiple languages. Translating and localizing content are key features of a multilanguage website. Understanding the content translation and localization process allows consultants to guide clients in creating high-quality translations that resonate with the target audience.

Maintainer: TYPO3 (Korbinian Kugelman)

Backend Login custom URL

Customizing the TYPO3 backend login URL allows for a unique, branded access point, potentially enhancing user experience and adding a layer of security by obscurity.

Maintainer: TYPO3 (Korbinian Kugelman)

Reports and Statistics

The reports module makes it easy to analyze system information and content structures within TYPO3.

The Content Statistic report provides an overview of all content element types and shows how often each one appears across the site, including summaries by type. With this report you gain clear visibility into how content is used across a site. This includes spotting unused content element types and understanding which fields are actively used in each element.

The Record Statistics report gives an overview of the count of records of the types Pages, Documents and Tables. This contains for examples total number of pages, number of translated pages, hidden and marked-deleted pages, total number of backend user, number of existing user groups.

The Status Reports gives a quick overview about important system statuses and parameters.

Maintainer: TYPO3 (Korbinian Kugelman)

TYPO3 Ecosystem

The Purpose of TypoScript

TypoScript is a powerful configuration language used to define the behavior and appearance of TYPO3 websites. TypoScript techniques provide additional flexibility and control over the TYPO3 website's functionality and design.

Maintainer: TYPO3 (Korbinian Kugelman)

TYPO3 Association

Understand the benefits and contributions of the TYPO3 Association, a non-profit organization supporting the TYPO3 CMS ecosystem. The TYPO3 Association is vital in fostering the TYPO3 community, coordinating development efforts, and providing resources for TYPO3 users and contributors.

Maintainer: TYPO3 (Korbinian Kugelman)

TYPO3 GmbH

The TYPO3 GmbH is a fully-owned service company of the TYPO3 Association providing support and services for TYPO3.

Maintainer: TYPO3 (Korbinian Kugelman)

TYPO3 Community Engagement

This skill focuses on engaging with the TYPO3 community to share knowledge, collaborate, and stay updated on TYPO3 developments. The TYPO3 community offers various platforms and channels for communication, networking, and support.

Maintainer: TYPO3 (Korbinian Kugelman)

TYPO3 Trademark

Knowledge of the TYPO3 trademark policies, guidelines, and restrictions ensures compliance and proper usage of the TYPO3 brand.

Maintainer: TYPO3 (Korbinian Kugelman)

TYPO3 Association membership

TYPO3 Association Memberships support the open-source project's growth and stability. Knowing membership types, benefits, and the role they play encourages meaningful contribution, ensures resource allocation, and helps sustain TYPO3's development and community.

Maintainer: TYPO3 (Korbinian Kugelman)

Bootstrap Package

The TYPO3 Bootstrap Package provides a ready-to-use, accessible frontend framework. Understanding its features and benefits helps consultants recommend a starting point for consistent, user-friendly design, ensuring projects adhere to accessibility standards.

Maintainer: TYPO3 (Korbinian Kugelman)

TYPO3 site packages and site configuration

TYPO3 site packages and configuration allow for flexible frontend setups, enabling custom layouts and templates. Understanding these concepts and Fluid templating ensures consultants can guide projects toward maintainable and scalable solutions.

Maintainer: TYPO3 (Korbinian Kugelman)

TYPO3 partner program

The TYPO3 Partner Program offers different partnership levels and exclusive benefits. Understanding these tiers, their criteria, and the advantages they bring helps organizations build trust, increase visibility, and foster long-term success within the TYPO3 ecosystem.

Maintainer: TYPO3 (Korbinian Kugelman)

Design

Maintaining a Consistent Design System

Creating and maintaining a consistent visual identity involves using a design system and component libraries. Understanding these concepts ensures structured, scalable page designs and streamlines collaboration between designers and developers.

Maintainer: TYPO3 (Korbinian Kugelman)

Software Development Concepts

Localization

This skill covers localization, which refers to the process of adapting content, interfaces, and functionality to different languages and regions. This ensures that software can cater to diverse audiences by providing accurate translations and regional settings, enhancing user experience and accessibility across various locales.

Maintainer: TYPO3 (Andreas Wolf)

Backend Administration

Configuring Backend Entry Points

The default entry point for the TYPO3 backend is /typo3, but it can be set to any other path or even to a different domain or subdomain.

Maintainer: TYPO3 (Oliver Thiele)

AI Basics

How LLMs work and fail

A large language model produces text by predicting the next likely token based on patterns in its training data, it does not look up answers in a database. This distinction separates a generative approach from retrieval-based approaches such as search engines or knowledge bases, and explains why a fluent LLM response is not evidence that the information is correct.

Maintainer: TYPO3 (Korbinian Kugelman)

AI regulation: Basic knowledge

AI regulation varies by jurisdiction and is still evolving. The same AI system can fall under different obligations depending on where it is deployed, who is affected, and who is providing it. Awareness of this variation - and of the boundary between technical awareness and qualified legal assessment - is part of responsible AI work.

Maintainer: TYPO3 (Korbinian Kugelman)