



Content Management mit Joomla!

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Unternehmensberatung
Dirk Größer

Inhalt

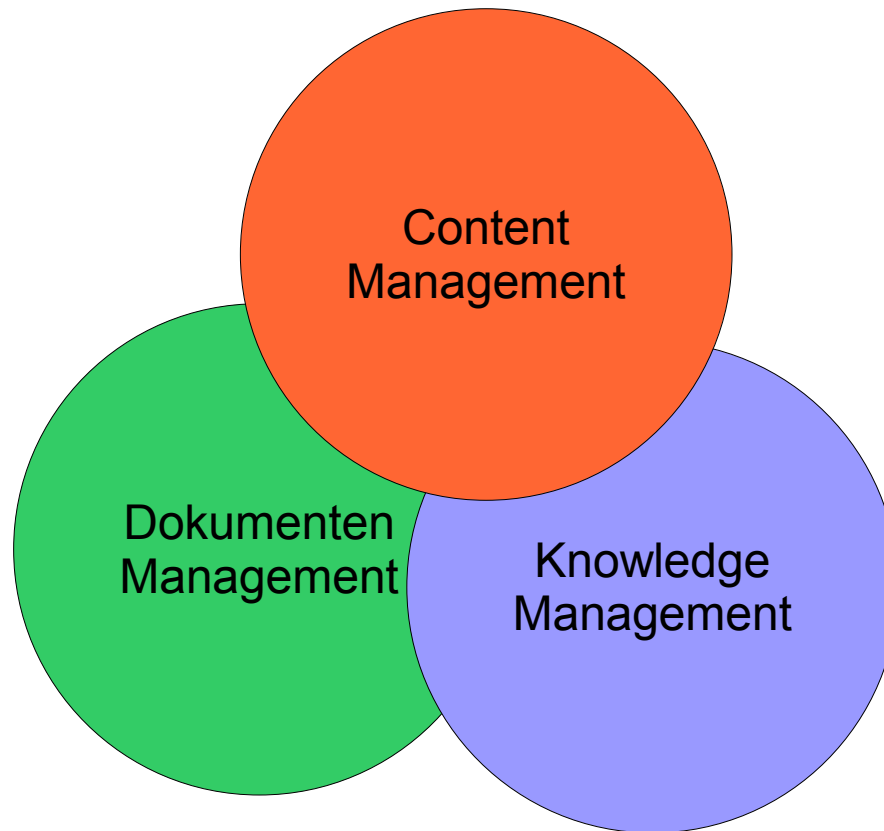
- Was ist Content Management?
- Lebenslauf von Content
- Welche Vorteile haben CMS?
- Voraussetzungen für die Verwendung von Joomla!
- Struktur von Joomla!
- Installation von Joomla!
- Livedemo
- Joomla! und Sicherheit
- Ausblick auf Joomla! V 1.1

Unternehmensberatung Größer

- Unabhängiger Dienstleister mit den Schwerpunkten:
 - IT Security
 - Open-Source-Software
 - Content Management Systeme (CMS)
 - CRM-Systeme

Was ist Content Management?

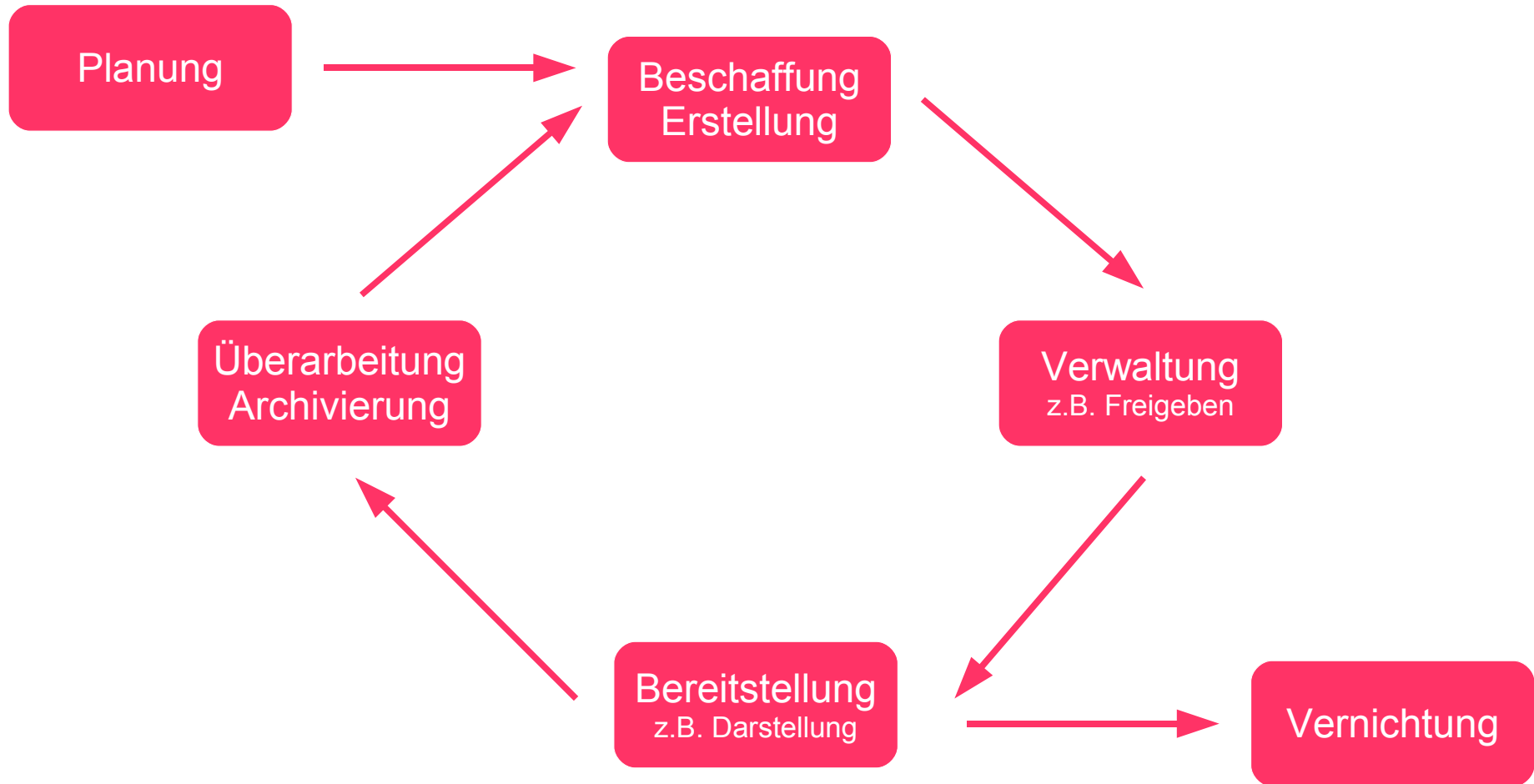
- Begriffsbestimmung



Definition von Web Content Management

- Schnittstelle zwischen Informationsanbieter und Nutzer
- Ermöglicht die Erstellung, Aufbereitung und Änderung von Informationen in einer auf den Internetstandards basierenden Umgebung
- Trennung von Inhalt und Layout
- Anbieterseitige Trennung der Tätigkeitsfelder:
 - Programmierung / technische Administration
 - Design und Layout
 - Redaktion

Lebenslauf von Content



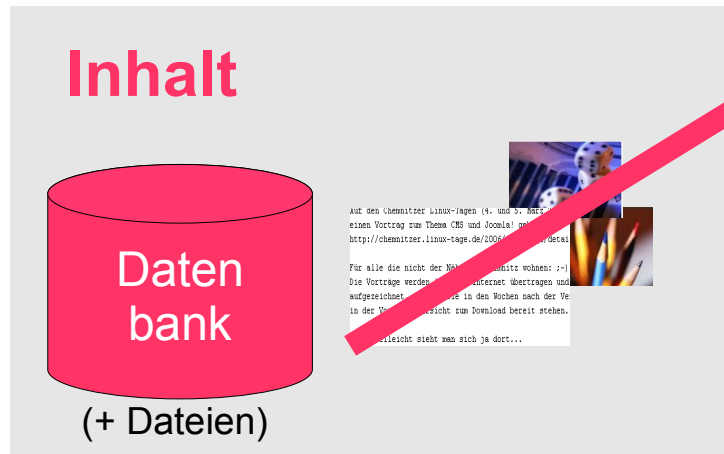
Vorteile durch CMS?

- CMS Systeme geben die Kontrolle über den Inhalt in die Hände des „Web-Site-Besitzers“ zurück
- Webmaster wird entlastet
- Inhaltspflege von verschiedenen Standorten
- Einheitliches Design der Darstellung (CI)
- Redaktionelle Pflege der Inhalte von den verantwortlichen Personen
- Vermeidung von Fehlern technisch unerfahrener Benutzer
- Geregelter Workflow wird möglich
- Bessere Versionierung und Qualitätssicherung
- Schnittstellen für Datenaustausch mit Fremdsystemen, etc
- Ankopplung / Integration von Unternehmensprozessen
- Einfache Erweiterbarkeit
- Personalisierung von Webinhalten

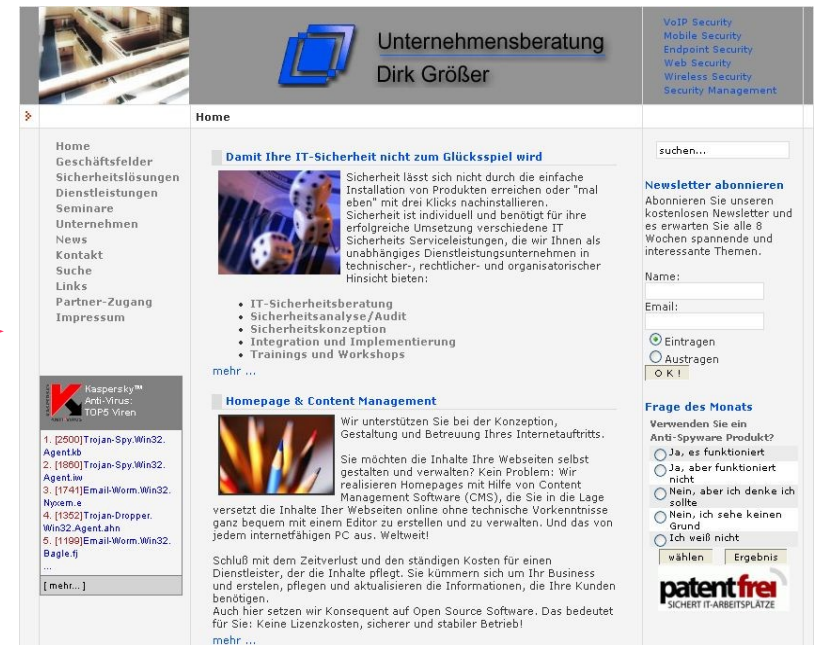
Kostenvorteile durch CMS?

- Kostenaufteilung bei einer klassischen Webseite:
 - 90% Wartung und Pflege
 - 10% Entwicklung und Realisierung
- CMS Systeme verringern drastisch den Aufwand für Wartung und Pflege.

Trennung von Inhalt und Layout

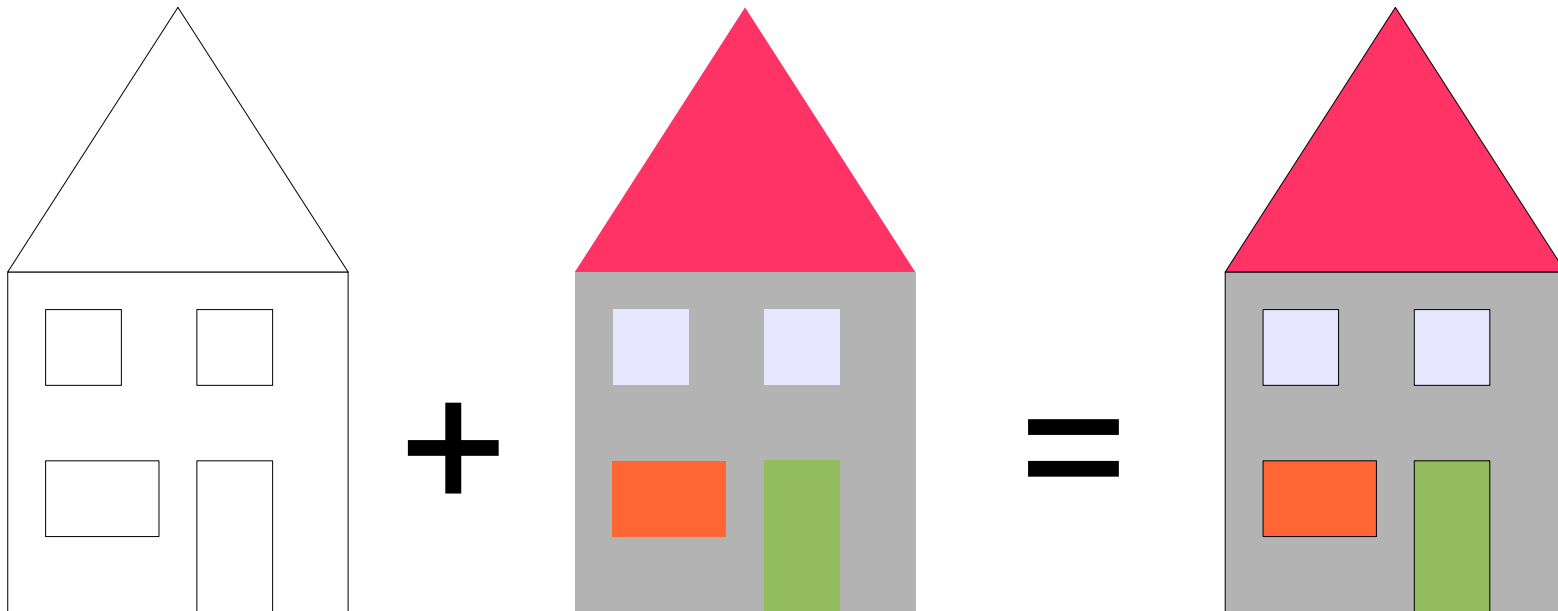


CMS

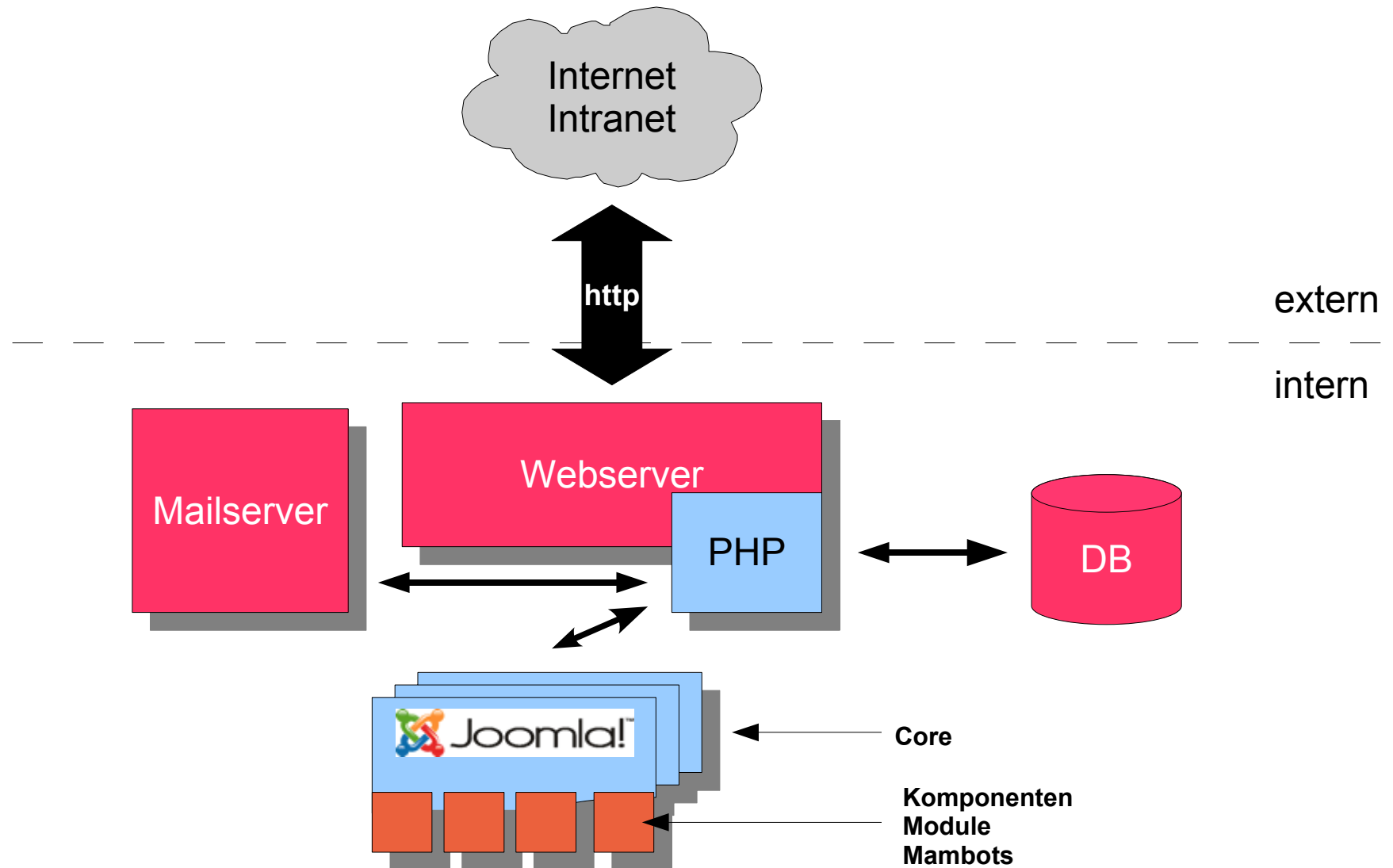


Templates allgemein

- Einheitliche Gestaltung der ges. Webseite
- Design und Layout vom Grafiker
- Inhalt vom Nutzer (Redakteur)
- `index.php` + `template.css` = Webseite



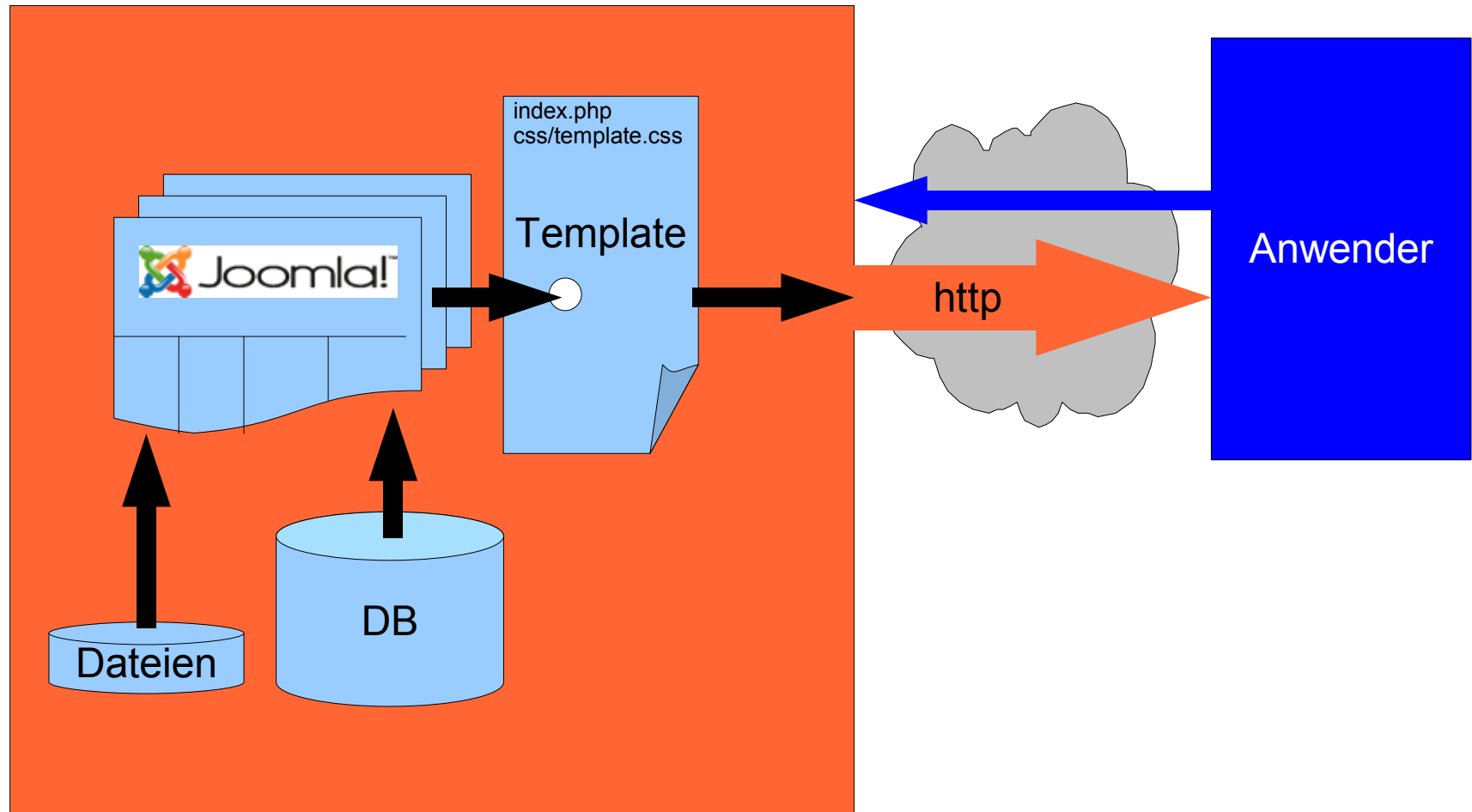
Umgebung für Joomla!



Modularität von Joomla!

- Core
- Komponenten
 - „Minianwendungen“ die zur Funktionserweiterung eingebettet werden
 - Newsfeeds, Kontaktverwaltung, Banner, etc
- Module
 - Funktionserweiterungen mit „Blackbox-Charakter“
 - Login, Menu, Template Chooser, etc
- Mambots
 - Kleine Skripte die auf den Content angewendet werden
 - Ausrichtung von Grafiken, Suche, Rating, etc

Schematische Funktion



Voraussetzungen schaffen

- Installation und Konfiguration von
 - Apache Webserver (httpd.apache.org/)
 - PHP-Interpreter (www.php.net)
 - MySQL Datenbank (www.mysql.com)
 - phpMyAdmin (optional)
- Entweder mit den oben genannten separaten Paketen oder man verwendet eine spezielle Lösung wie z.B.
 - XAMPP (www.apachefriends.org) für Linux, Sparc und Windows
 - XJ! (<http://www.creativecoders.de/content/view/2/5/>) für Windows
- Download des Joomla!-Pakets unter www.joomla.org
- Entpacken des Joomla!-Pakets in den Ordner cms im htdocs-Verzeichnis des Apache-Webservers

Installation von Joomla!

- Aufruf des Joomla!-Setups im Browser:
http://localhost/cms

pre-installation check

license

step 1

step 2

step 3

step 4



pre-installation check

Next >>

Check Again

Pre-installation check for:
Joomla! 1.0.7 Stable [Sunburst] 15-Jan-2006 20:00 UTC

If any of these items are highlighted in red then please take actions to correct them. Failure to do so could lead to your Joomla installation not functioning correctly.

PHP version >= 4.1.0	Yes
- zlib compression support	Available
- XML support	Available
- MySQL support	Available
configuration.php	Writeable
Session save path	c:/windows/temp, Writeable

Recommended settings:

These settings are recommended for PHP in order to ensure full compatibility with Joomla. However, Joomla will still operate if your settings do not quite match the recommended

Directive	Recommended	Actual
Safe Mode:	OFF:	OFF
Display Errors:	ON:	OFF
File Uploads:	ON:	ON
Magic Quotes GPC:	ON:	OFF
Magic Quotes Runtime:	OFF:	OFF
Register Globals:	OFF:	ON
Output Buffering:	OFF:	OFF
Session auto start:	OFF:	OFF

Directory and File Permissions:

In order for Joomla to function correctly it needs to be able to access or write to certain files or directories. If you see "Unwriteable" you need to change the permissions on the file or directory to allow Joomla to write to it.

administrator/backups/	Writeable
administrator/components/	Writeable
administrator/modules/	Writeable
administrator/templates/	Writeable
cache/	Writeable
components/	Writeable
images/	Writeable

Installation von Joomla!

pre-installation check

license

step 1

step 2

step 3

step 4



license

Next >>

GNU/GPL License:

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Table of Contents

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 - [Preamble](#)
 - [TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION](#)
 - [How to Apply These Terms to Your New Programs](#)

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Version 2, June 1991

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[Preamble](#)

The licenses for most software are designed to take away your freedom to share and change it. By

Installation von Joomla!

pre-installation check

license

step 1

step 2

step 3

step 4



step 1

MySQL database configuration:

Setting up Joomla to run on your server involves 4 simple steps...

Please enter the hostname of the server Joomla is to be installed on.

Enter the MySQL username, password and database name you wish to use with Joomla.

Enter a table name prefix to be used by this Joomla! install and select what to do with existing tables from former installations.

Install the sample data unless you are an experienced Joomla! User wanting to start with a completely empty site.

Next >>

Host Name

This is usually 'localhost'

MySQL User Name

Either something as 'root' or a username given by the hoster

MySQL Password

For site security using a password for the mysql account is mandatory

MySQL Database Name

Some hosts allow only a certain DB name per site. Use table prefix in this case for distinct Joomla sites.

MySQL Table Prefix

☐ Drop Existing Tables

☐ Backup Old Tables

Any existing backup tables from former Joomla installations will be replaced

☒ Install Sample Data

Don't uncheck option this unless you are experienced in using Joomla!

http://localhost

 Are you sure these settings are correct?
Joomla will now attempt to populate a Database with the settings you have supplied

OK

Abbrechen

Installation von Joomla!

pre-installation check

license

step 1

step 2

step 3

step 4



step 2

Enter the name of your Joomla site:

SUCCESS!

Type in the name for your Joomla site. This name is used in email messages so make it something meaningful.

Site name

e.g. The Home of Joomla

Next >>

Installation von Joomla!

pre-installation check

license

step 1

step 2

step 3

step 4

 **step 3**

Confirm the site URL, path, admin e-mail and file/directory chmods

If URL and Path look correct then please do not change them. If you are not sure then please contact your ISP or administrator. Usually the values displayed will work for your site.

Enter your e-mail address, this will be the e-mail address of the site SuperAdministrator.

The permission settings will be used while installing Joomla itself, by the Joomla addon-installers and by the media manager. If you are unsure what flags shall be set, leave the default settings at the moment. You can still change these flags later in the site global configuration.

URL

Path

Your E-mail

Admin password

File Permissions

☒ Dont CHMOD files (use server defaults)

☐ CHMOD files to:

Directory Permissions

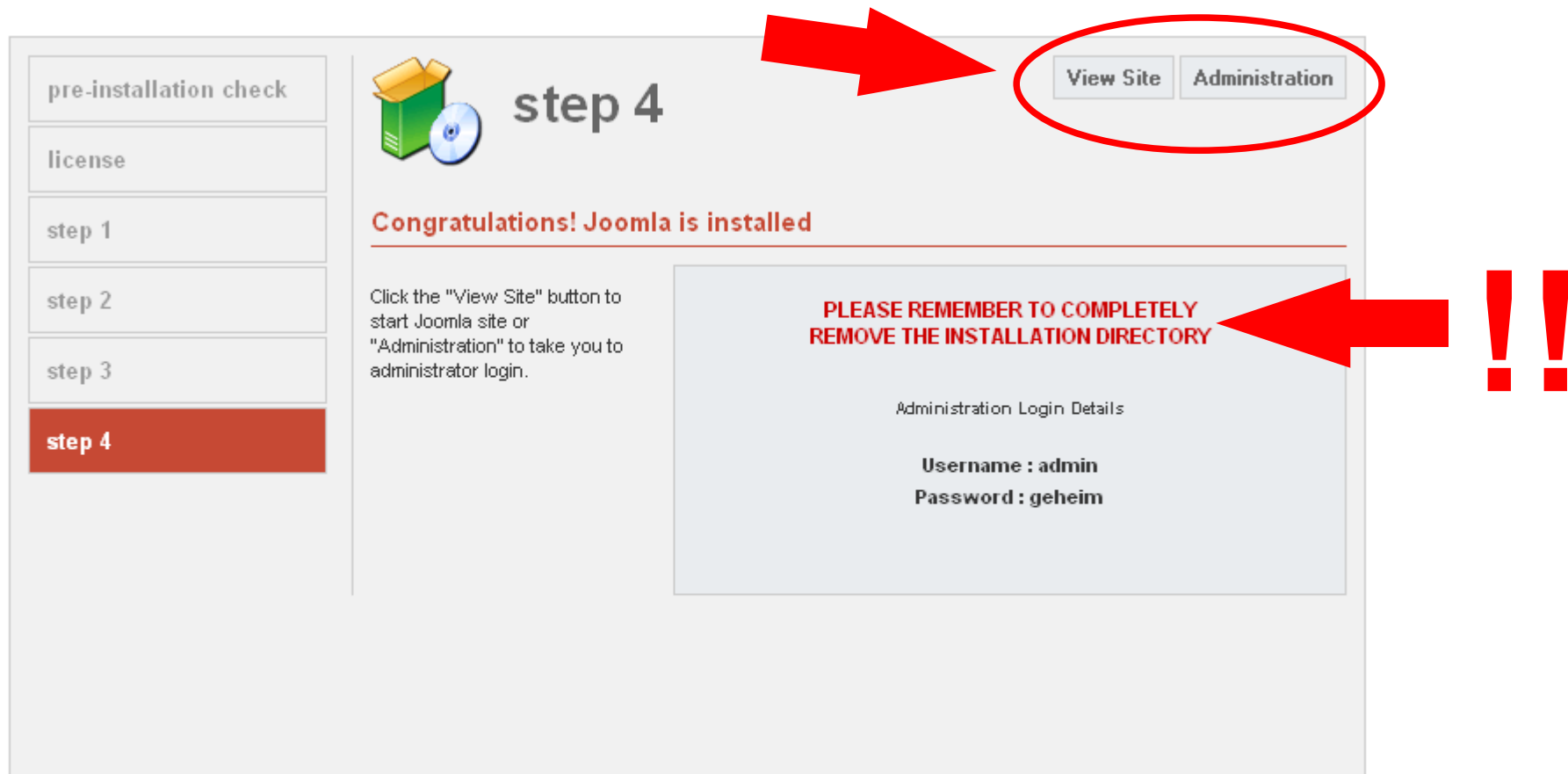
☒ Dont CHMOD directories (use server defaults)

☐ CHMOD directories to:

Next >>

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Installation von Joomla!



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Frontend (Webseite)

[Home](#) [Contact Us](#) [News](#) [Links](#)

 **Joomla!**
...because open source matters

NEWSFLASH

Aoccdnrig to a rscheearch at an Elingsh uinervtisy, it deosn't mittaer in waht oredr the ltteers in a wrod are, the olny iprmoetnt tihng is taht frist and lsat ltteer is at the rghit pclae. The rset can be a toatl mses and you can still raed it wouthit porbelm. Tihs is bcuseae we

MAIN MENU

- Home
- Joomla! License
- News
- Blog
- Links
- Contact Us
- Search
- News Feeds
- FAQs
- Wrapper
- Joomla! Home
- Joomla! Forums
- OSM Home
- Administrator

ADVERTISEMENT

OpenSourceMatters

home of Joomla!

LATEST NEWS

- Newsflash 3
- Newsflash 1
- Newsflash 2
- Example News Item 1
- Example News Item 4

POPULAR

- Example FAQ Item 2
- Example FAQ Item 1
- Example News Item 4
- Example News Item 1
- Example News Item 2

Powered by
 **Joomla!**
version 1.0

POLLS

This Joomla! installation was

- ☐ Absolutely simple
- ☐ Reasonably easy
- ☐ Not straight-forward but I worked it out
- ☐ I had to install extra server stuff
- ☐ I had no idea and got my friend to do it
- ☐ My dog ran away with the README ...

Wählen **Ergebnis**

Home

Welcome to Joomla!

Geschrieben von Web Master
12.06.2004

If you've read anything at all about Content Management Systems (CMS), you'll probably know at least three things: CMS are the most exciting way to do business, CMS can be really, I mean *really*, complicated and lastly Portals are absolutely, outrageously, often *unaffordably* expensive.

 Joomla! is set to change all that ... Joomla! is different from the normal models for portal software. For a start, it's not complicated. Joomla! has been developed for the masses. It's licensed under the GNU/GPL license, easy to install and administer and reliable.

WHO'S ONLINE

Aktuell ist 1 Gast online

Backend (Administration)

 Administrator version 1.6

Home Site Menu Content Components Modules Mambots Installers Messages System Help 0 2 Logout Dirk

The home of R10b / com_admin  Help

Control Panel


Add New Content


Content Items Manager


Static Content Manager


Frontpage Manager


Section Manager


Category Manager


Media Manager


Trash Manager


Menu Manager


Language Manager


User Manager


Global Configuration

Logged Components Popular Latest Items Menu Stats

Currently Logged in Users

1	Dirk	Super Administrator	
---	------	---------------------	---

<< Start < Previous 1 Next > End >>

Display # Results 1 - 1 of 1

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Joomla! 1.0.7 Stable [Sunbust] 15-Jan-2006 20:00 UTC
[Check for latest Version](#)

Live Demonstration

HomeContact UsNewsLinks



Joomla!

...because open source matters

suchen...

NEWSFLASH

According to a research at an English university, it doesn't matter in what order the letters in a word are, the only important thing is that first and last letter is at the right place. The rest can be a total mess and you can still read it without problem. This is because we

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MAIN MENU

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OpenS Joomla! Administrator

Home Site Menu Content Components Modules Mambots Installers Messages System Help

0 2 Logout Dirk

LATEST NEWS

- Newsflash 3
- Newsflash 1
- Newsflash 2
- Example News Item 1
- Example News Item 4

Home

Welcome to Joomla!

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If you've read anything at all about Joomla! you know that it's not really, complicated and lastly Portals are expensive.



Joomla! is normal m Joomla! is GNU/GPL

Control Panel

Add New Content

Content Items Manager

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Frontpage Manager

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Menu Manager

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<< Start < Previous 1 Next > End >>

Display # Results 1 - 1 of 1

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Erweiterungen für Joomla!

- Dokumentenverwaltung
 - DocMan
- Foren und Blogs
 - SimpleBoard
 - Mamblog
- Online-Shop
 - VirtueMart (ehemals Mambo php-Shop)
- Community-Software
 - Community-Builder
- Statistik und Auswertungen
 - TSF
- Bilder Galerien

Joomla! und Sicherheit

- Sicherheit der CMS-Umgebung
 - Firewall
 - Webserver (Apache, ...)
 - Datenbank (MySQL)
 - Betriebssystem (Linux, Windows)
 - Dateisystemsicherheit
- Angriffstechniken auf CMS
 - Cross-Site-Scripting
 - SQL-Injektion
 - ...

Joomla! Security Audit

- Von den Entwicklern durchgeführter Audit
 - Test ob mittels Core-Komponenten verwalteten Inhalte vor einer unerwünschten Betrachtung geschützt sind:
 - Integrität des Status ('published'/'unpublished')
 - Integrität des Zugrifflevels ('registered', 'special')
 - Test der folgenden Inhaltsarten:
 - Content Items + Static Content
 - Kontakt-Komponente
 - Newsfeeds-Komponente
 - Umfrage-Komponente
 - Linkverzeichnis-Komponente
- Ergebnis:
 - Update auf aktuelle Version 1.0.8 ist zu empfehlen
 - Details unter <http://www.joomla.org/content/view/940/74/1/2/>

Joomla!
SECURITY AUDIT
26 February 2006

Ausblick auf Joomla! V 1.1

- Geplantes Releasedatum: Q2/2006
- Einsatz der patTemplate-Engine
 - Bessere Trennung zwischen Design (html) und Anwendungslogik (php)
- UTF-8 character encoding
- alternative user authentication methods as well as improved bridging support for other applications
- a database abstraction library will be implemented

Fragen?

Wir danken Ihnen für Ihre Aufmerksamkeit und
wünschen Ihnen viel Erfolg bei Ihren CMS Projekten



Unternehmensberatung
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Quellen

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