

Ontwikkelen in Joomla!

Hoe bouw ik een component?

Zelf bouwen in Joomla!

- Veel standaard componenten aanwezig
- Zelf bouwen: meer mogelijkheden
- Maatwerk
- (redelijke tot grondige) PHP kennis vereist

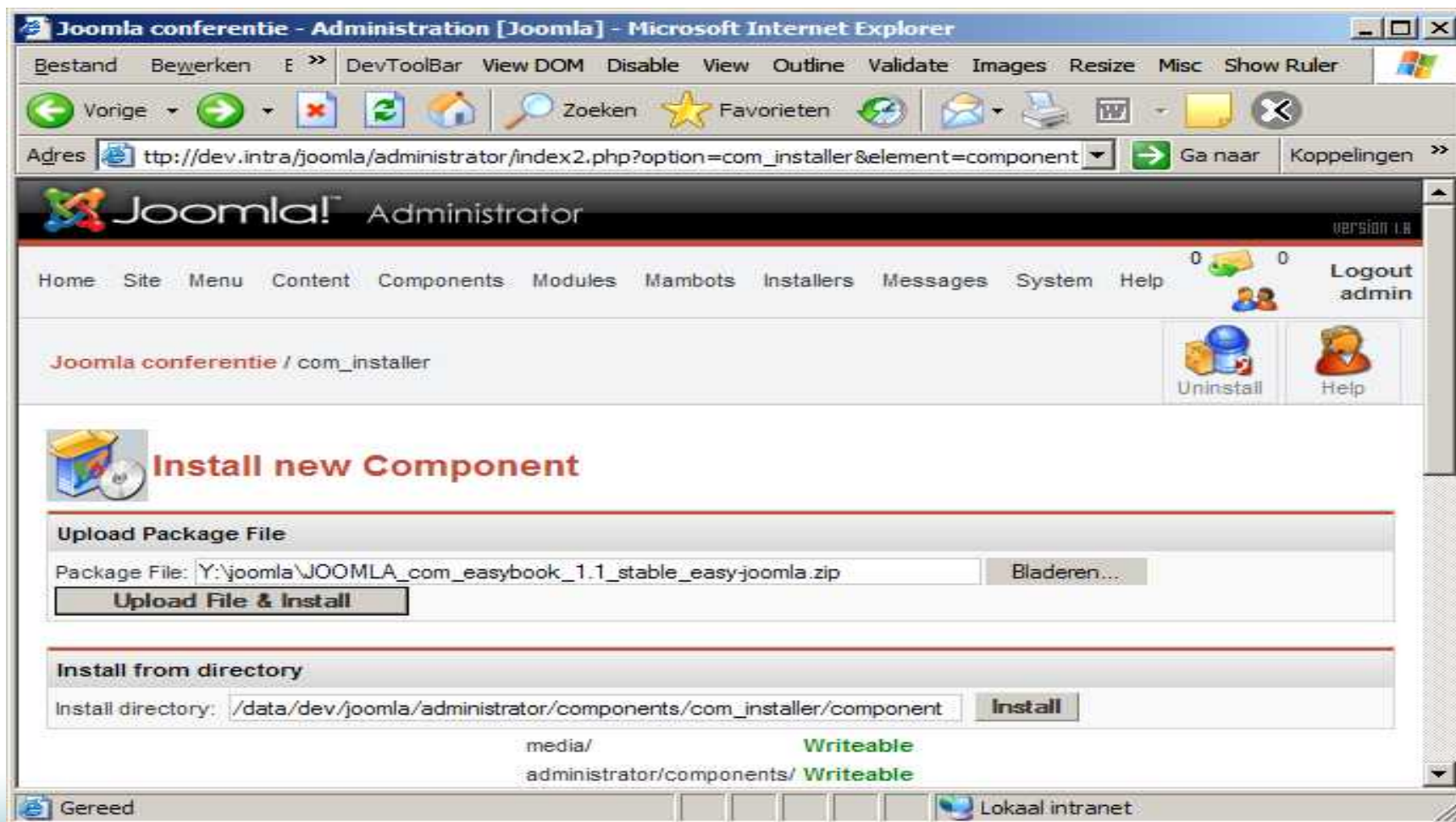
Meeliften op Joomla!

- Veel standaard mogelijkheden aanwezig
- Gebruik maken van de API
- Gebruik maken van de admin interface
- Gebruik maken van de template structuur

Component installeren

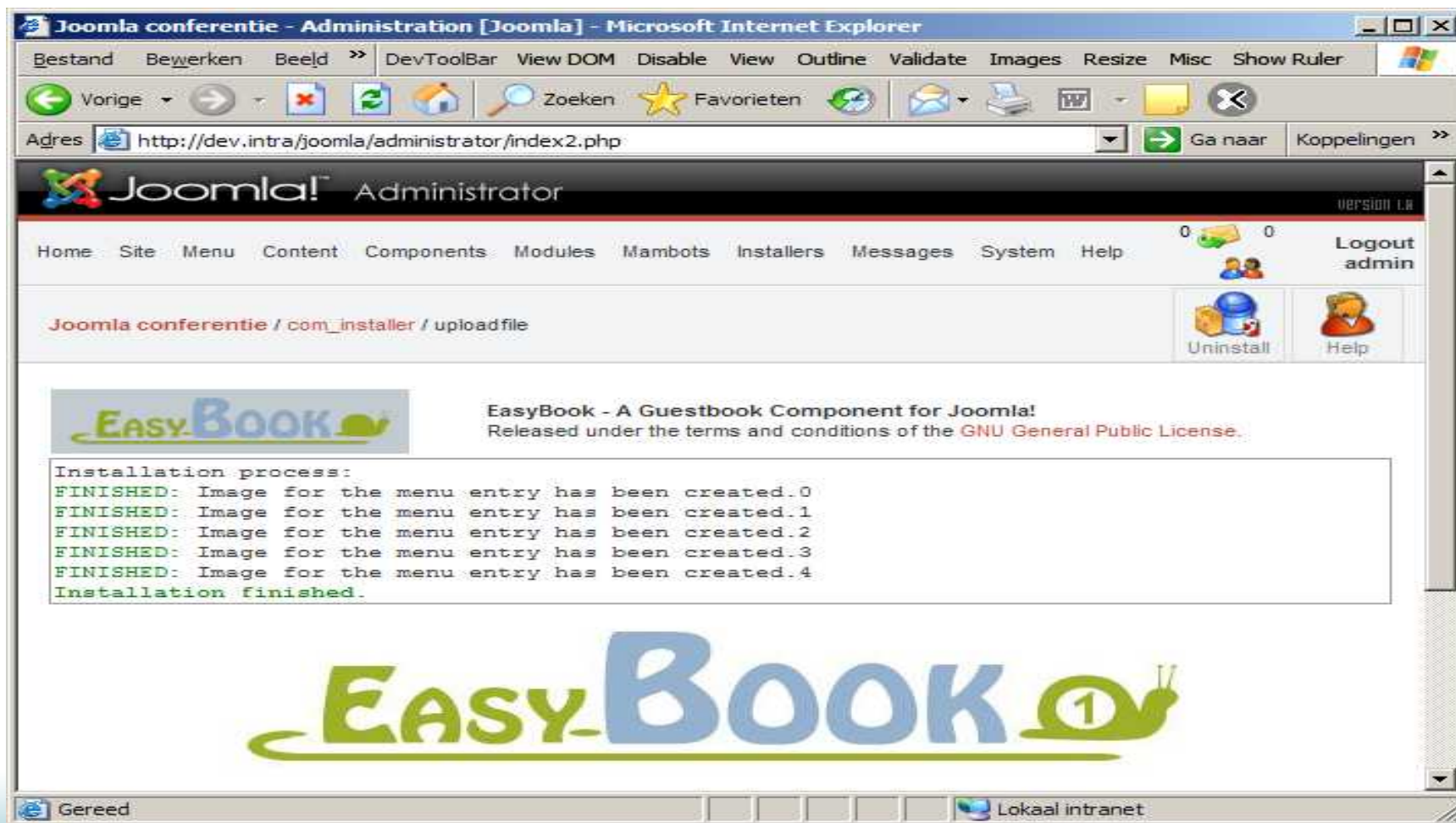
- Via admin interface
- Installers – components
- ZIP bestand selecteren
- Zorgen dat juiste directories schrijfbaar zijn
- Voorbeeld: AKOComment
(reactie formulier)

EasyBook installeren



The screenshot shows the Joomla! Administrator interface in Microsoft Internet Explorer. The browser title is "Joomla conferentie - Administratie [Joomla] - Microsoft Internet Explorer". The address bar shows the URL: `http://dev.intra/joomla/administrator/index2.php?option=com_installer&element=component`. The Joomla! Administrator header includes the Joomla! logo, the text "Administrator", and the version "version 1.8". The navigation menu includes: Home, Site, Menu, Content, Components, Modules, Mambots, Installers, Messages, System, Help. There are also icons for "Uninstall" and "Help", and a "Logout admin" link. The main content area is titled "Joomla conferentie / com_installer" and features a section for "Install new Component". This section has two options: "Upload Package File" and "Install from directory". The "Upload Package File" option shows a text input field with the file path: `Y:\joomla\JOOMLA_com_easybook_1.1_stable_easy-joomla.zip` and a "Bladeren..." button. Below it is an "Upload File & Install" button. The "Install from directory" option shows a text input field with the path: `/data/dev/joomla/administrator/components/com_installer/component` and an "Install" button. Below this, there are two lines of text: `media/ Writeable` and `administrator/components/ Writeable`. The status bar at the bottom shows "Gereed" and "Lokaal intranet".

EasyBook - geïnstalleerd



The screenshot shows the Joomla! Administrator interface in Microsoft Internet Explorer. The browser window title is "Joomla conferentie - Administration [Joomla] - Microsoft Internet Explorer". The address bar shows "http://dev.intra/joomla/administrator/index2.php". The Joomla! Administrator header includes navigation links: Home, Site, Menu, Content, Components, Modules, Mambots, Installers, Messages, System, Help. The user is logged in as "admin". The breadcrumb trail is "Joomla conferentie / com_installer / uploadfile". The main content area displays the EasyBook logo and the text: "EasyBook - A Guestbook Component for Joomla! Released under the terms and conditions of the GNU General Public License." Below this, a text box shows the installation process log:

```
Installation process:  
FINISHED: Image for the menu entry has been created.0  
FINISHED: Image for the menu entry has been created.1  
FINISHED: Image for the menu entry has been created.2  
FINISHED: Image for the menu entry has been created.3  
FINISHED: Image for the menu entry has been created.4  
Installation finished.
```

At the bottom of the page, the EasyBook logo is displayed again, featuring a snail icon with the number 1 inside its shell.

EasyBook in het menu

Joomla conferentie - Home - Microsoft Internet Explorer

Bestand Bewerken Beeld Favorieten E >> DevToolBar View DOM Disable View Outline Validate Images Resize Misc Show Ruler

Vorige Zoeken Favorieten

Adres <http://dev.intra/joomla/> Ga naar Koppelingen >>

Home Contact Us News Links

search...

NEWSFLASH

Aoccdnng to a rscheea an Elingsh uinervtisy, it mttae in waht oredr the in a wrod are, the only iprmoentn thng is taht fr lsat lttter is at the rghit The rset can be a toatl and you can still raed it onrhelm. This is housea

Powered by Joomla! versie

MAIN MENU:

- Home
- Gastenboek**
- Joomla! License
- News
- Blog
- Links
- Contact Us
- Search
- News Feeds

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

Home

Welcome to Joomla!

Written by Web Master

http://dev.intra/joomla/index.php?option=com_easybook&Itemid=26 Lokaal intranet

EasyBook invoer

GASTENBOEK [View guestbook](#)

IP Adress: *

Your Name: *

Your E-Mail:

Show E-Mail:

Type your message: *



Code: * 

Reload Code: 

* Required field



Het resultaat...

GASTENBOEK

[Sign guestbook](#) 

Arjan 23 October 2006 15:13



Welkom bij de Joomla conferentie!

1
guestbook entry



Hoe is het gastenboek gebouwd?

- PHP Scripts (gebruikmakend van Joomla API)
- XML bestand
- Database queries
- Alles opgebouwd in vaste structuur in ZIP bestand

XML bestand

- component_naam.xml
- Metagegevens
- Bestanden
- Afbeeldingen
- Database
- Installatie
- Administration

Metagegevens component

1. `<mosinstall type="component">`
2. `<name>Easybook</name>`
3. `<creationDate>01.06.2006</creationDate>`
4. `<author>EasyJoomla.org Projekt</author>`
5. `<copyright>Released under
 GNU/GPL</copyright>`
6. `<authorEmail>easybook@easy-
 joomla.org</authorEmail>`
7. `<authorUrl>www.easy-joomla.org</authorUrl>`
8. `<version>1.1</version>`
9. `<description>Easybook ist eine Joomla 1.0.x
 Gaestebuch Komponente.</description>`

Bestanden registreren

1. `<files>`
2. `<filename>easybook.php</filename>`
3. `<filename>offline.php</filename>`
4. `<filename>sub_commententry.php</filename>`
5. `<filename>sub_deleteentry.php</filename>`
6. `<filename>sub_writeentry.php</filename>`
7. `<filename>sub_editentry.php</filename>`
8. `<filename>img.php</filename>`
9. `</files>`

Afbeeldingen registreren

1. `<images>`
2. `<filename>images/logo.png</filename>`
3. `<filename>images/logo_sm.png</filename>`
4. `<filename>images/datei.css</filename>`
5. `<filename>images/iepngfix.htc</filename>`
6. `<filename>images/text_underline.png</filename>`
7. `<filename>...</filename>`
8. `</images>`

Database installatie

1. <install>
2. <queries>
3. <query>
4. CREATE TABLE IF NOT EXISTS
`#__easybook` (
5. `gbid` int(10) NOT NULL auto_increment,
6. `gbip` varchar(15) NOT NULL default "",
7. `gbname` varchar(20) NOT NULL default "",
8. `gbmail` varchar(60) default NULL,
9. Etc.

Installatie / deïnstallatie

1. `<installfile>install.easybook.php</installfile>`
2. `<uninstallfile>uninstall.easybook.php</uninstallfile>`

Administration

1. <administration>
2. <menu>EasyBook</menu>
3. <submenu>
4. <menu task="view">Eintragungen ansehen</menu>
5. <menu task="config">Konfiguration bearbeiten</menu>
6. <menu task="language">Sprache bearbeiten</menu>
7. <menu task="words">Wortliste bearbeiten</menu>
8. <menu task="about">EasyBook Informationen</menu>
9. </submenu>
10. <files>...</files>
11. <images>...</images>
12. </administration>

PHP Bestanden

- component_naam.php
- Hoofdbestand
- Bevat alle basis functionaliteit
- Wordt door Joomla! aangeroepen bij aanroep component
- Bekijkt waarom de aanroep wordt gedaan
- Hier: easybook.php

easybook.php: functies

```
1. switch ($func) {
2.   case 'deleteentry':
3.     GuestbookHeader(true);
4.     include('components/com_easybook/sub_deleteentry.php');
5.     break;
6.
7.   case 'comment':
8.     GuestbookHeader(true);
9.
10.    include('components/com_easybook/sub_commententry.php');
11.    break;
12. }
```

Voorbeelden API

GET Parameters:

- `$func = mosGetParam($_REQUEST, 'func', '');`
- `$gbid = mosGetParam($_REQUEST, 'gbid');`

Database select

1. `$gbid = mysql_escape_string($gbid);`
2. `$query = "SELECT * FROM #__easybook
WHERE gbid ='$gbid';";`
3. `$database->setQuery($query);`
4. `$database->loadObject($gb);`

Meertaligheid

Uit admin.easybook.php

- `defined('_VALID_MOS') or die('Direct Access to this location is not allowed.');`
- `if`
`(file_exists($mosConfig_absolute_path.'/components/com_easybook/languages/' . $mosConfig_lang . '.php')) {`
- `include($mosConfig_absolute_path.'/components/com_easybook/languages/' . $mosConfig_lang . '.php');`
- `} else {`
- `include($mosConfig_absolute_path.'/components/com_easybook/languages/english.php');`
- `}`

Taalbestanden als defines

1. // Header language definitions
2. DEFINE("_GUESTBOOK_SIGN","Sign guestbook");
3. DEFINE("_GUESTBOOK_VIEW","View guestbook");
4. DEFINE("_GUESTBOOK_AFTERENTRIE","guestbook entry");
5. DEFINE("_GUESTBOOK_AFTERENTRIES","guestbook entries");
6. DEFINE("_GUESTBOOK_PAGES","Pages:");
7. DEFINE("_GUESTBOOK_ONLYREGISTERED","Only registered users are allowed to sign the guestbook.
Please login or register.");

Templates

- Hier gedefinieerd in apart php bestand (class)
- Wordt via class:functie aangeroepen

Voorbeeld aanroep template

1. `class HTML_guestbook {`
2. `function HTML_guestbook($option, $task, &$rows, &$search, &$pageNav) {`
3. `function showGuestbookEntries($option, $task, &$rows, &$search, &$pageNav) {`
4. `function showGuestbookEntries($option, $task, &$rows, &$search, &$pageNav) {`
5. `$entrylenght = "70";`
6. `$commentlenght = "40";`

Tips

- Maak zoveel mogelijk gebruik van standaard Joomla code
- Scheid code en vormgeving
- Gebruik vanaf het begin meertaligheid
- Gebruik Engels commentaar wanneer u uw component als open source wilt publiceren

Vragen?



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