

# TYPO3 CMS 6.2 LTS – What's New

Pregled novih funkcionalnosti, promena i unapredjenja

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# TYPO3 CMS 6.2 LTS – What's New

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## Pregled

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Application Programming Interface  
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Unapredjenje na Typo3 CMS 6.2  
LTS  
MythBuster  
Izvori i autori

# Uvod (Cinjenice)

# Uvod

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## TYPO3 CMS 6.2 LTS: Cinjenice

- U fokusu su:

- Laka migracija
- Robustna i sigurna osnova
- Srecni korisnici
- Moderne tehnologije/sposobnost zajednickog rada

- Release Manager:

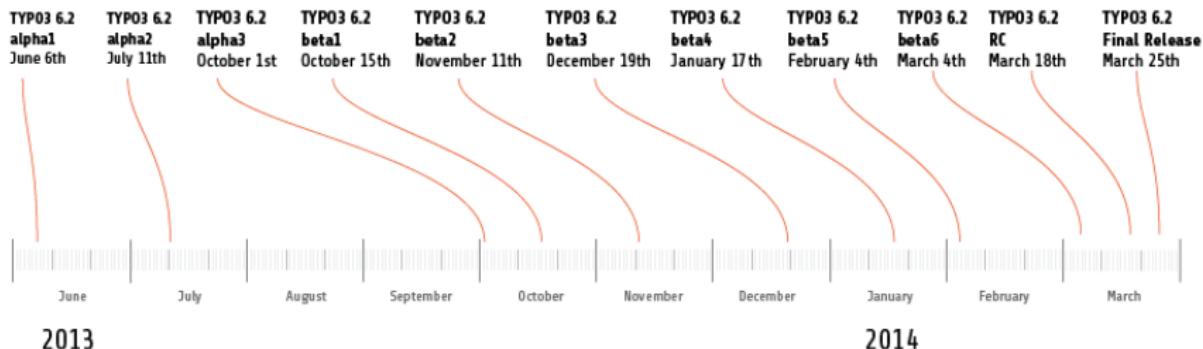
- Ernesto Baschny  
`ernesto.baschny (at) typo3.org`  
Twitter: @baschny



# Uvod

## TYPO3 CMS 6.2 LTS: Cinjenice

- Datum izlaska: 25. Mart 2014.
- Vreme razvoja i izlaska:



# Uvod

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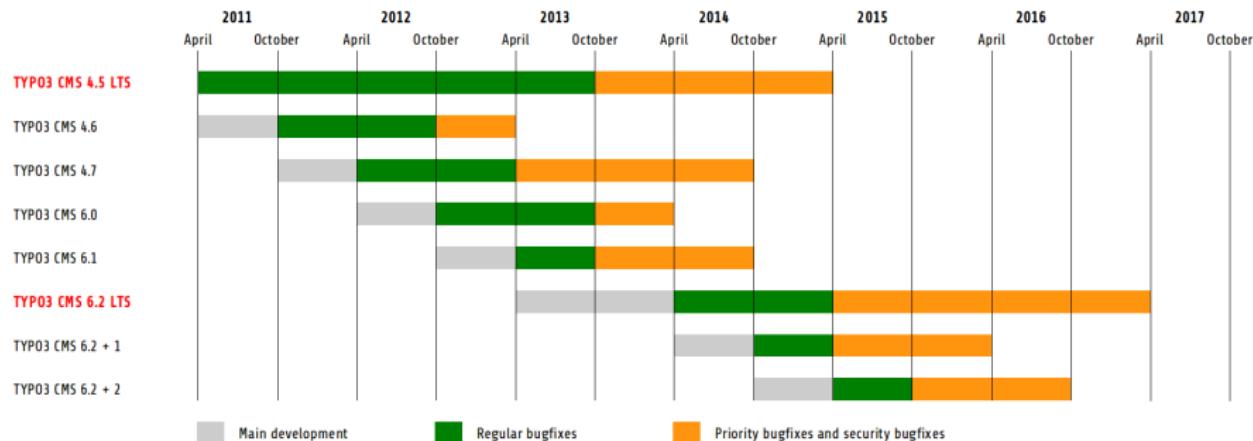
## TYPO3 CMS 6.2 LTS: Cinjenice

- Sistemski zahtevi
  - PHP v5.3.7 – v5.5.x
  - MySQL v5.1.x – v5.6.x
- Prestanak odrzavanja: 30 Decembar 2016
- TYPO3 CMS 6.2 je verzija sa **dugorocnom podrskom (LTS)** (podrska od 3 godine!)

# Uvod

## TYPO3 CMS 6.2 LTS: Cinjenice

### ■ Agenda izlaska:



# Poglavlje 1:

## Install Tool

# Install Tool

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## Instalacija

- Samo jedan paket je potreban za instalaciju:  
typo3\_src-6.2.x.tar.gz (velicina fajla oko 20MB)
- "Dummy" i "Blank" paketi zastareli su
- Instalacija:
  - Raspakovati arhiv u koren sajta
  - Mapraviti symbolic link-ove kao sto je trazeno
  - U pretrazivacu uneti adresu sajta
  - TYPO3 Installer pokrece 1-2-3-4-koraka carobnjaka

# Install Tool

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## Instalacija

- Obezbedjuje da su svi potrebni fajlovi i direktorijumi na svom mestu
- Fajlovi potrebni za dodatna podešavanja bice kreirani automatski
- Sledeci symbolic link-ovi moraju da postoje:
  - typo3\_src (upucuje na TYPO3 izvorni direktorijum)
  - typo3 (upucuje na direktorijum: typo3\_src/typo3)
  - index.php (upucuje na fajl: typo3\_src/index.php)
- Nema dodatnih fajlova/direktorijuma koji su neophodni za instalaciju Typo3
- Direktorijum t3lib je uklonjen
- Dodatni detalji: Typo3 instalacija i uputstvo za unapredjenje:  
<http://docs.typo3.org/typo3cms/InstallationGuide>

# Install Tool

## Reprogramiranje

- Reprogramiran od pocetka koriscenjem Fluid-a
- Prvi korak testira sistemsko okruzenje i javlja probleme
- Prijavljeni problemi mogu biti ispravljeni (i ponovo testirani) ili zanemareni
- Pogresno podešavanje core-a (na primer nema preporučenih symbolic link-ova) se takođe prijavljuje kao problem

Installing TYPO3 CMS 6.2.0

### System environment check

TYPO3 is an enterprise content management system that is powerful, yet easy to install.

After some simple steps you'll be ready to add content to your website. This first step checks your system environment and points out issues.

#### Detailed analysis

⚠ Path /index.php is not a link  
The target /index.php should be a link, but is of type file. This can not be fixed. Please investigate.

⚠ No PHP opcode cache loaded  
PHP opcode caches hold a compiled version of executed PHP scripts in memory and do not require to recompile any script on each access. This can be a massive performance improvement and can put load off a server in general, a parse time reduction by factor three for full cached pages can be achieved easily if using some opcode cache. If in doubt choosing one, APC runs well and can be used as data cache layer in

# Install Tool

## Reprogramiranje

- Drugi korak omogucuje korisnicima da unesu podatke za pristup bazi podataka
- Mozete izabrati tip veze
  - Veza bazirana na TCP/IP
  - Veza bazirana na Socket-u
- Moguce su i alternative za MySQL

Installing TYPO3 CMS 6.2.0

Connect to your database host

If you have not already created a username and password to access the database, please do so now. This can be done using tools provided by your host.

Username

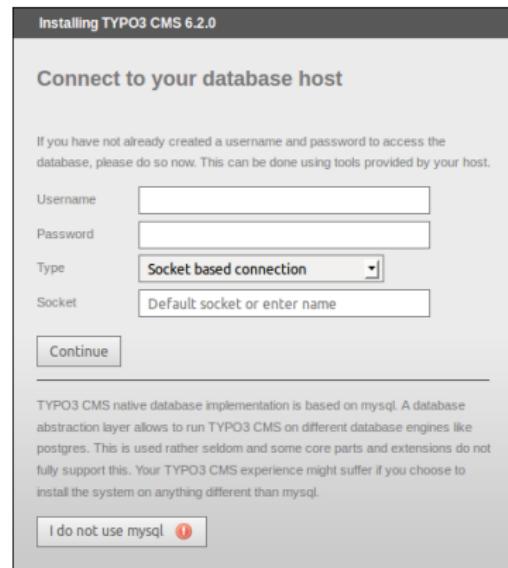
Password

Type

Socket

TYPO3 CMS native database implementation is based on mysql. A database abstraction layer allows to run TYPO3 CMS on different database engines like postgres. This is used rather seldom and some core parts and extensions do not fully support this. Your TYPO3 CMS experience might suffer if you choose to install the system on anything different than mysql.

I do not use mysql !



# Install Tool

## Reprogramiranje

- Treci korak omogucava korisniku da izabere/kreira bazu podataka (kao i kod TYPO3 < 6.2)
- Cetvrti korak omogucava korisniku da postavi lozinku za admin korisnika (koja je takođe pocetna lozinka za Install Tool) i ime sajta

Installing TYPO3 CMS 6.2.0

Create user and import base data

Import basic database structure and create a backend administrator user. The password can be used to log in to the install tool and to the TYPO3 CMS backend (default: with username "admin").

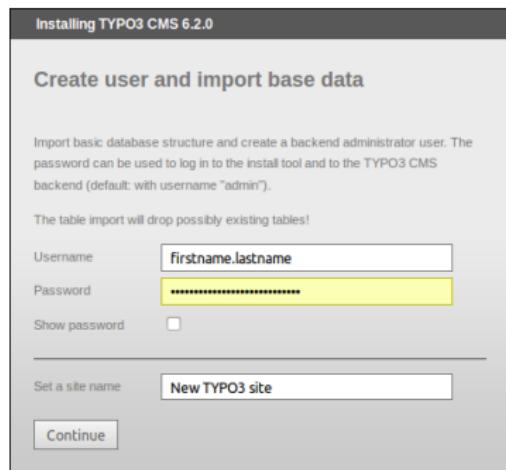
The table import will drop possibly existing tables!

Username

Password

Show password

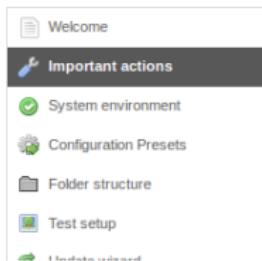
Set a site name



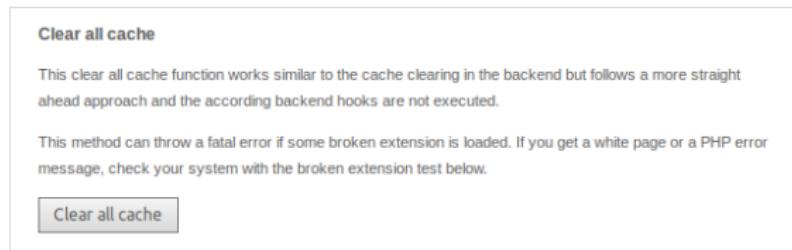
# Install Tool

## Brisanje kompletog kesa

- Nova funkcija pod "Important actions" omogucava korisniku da izbriše kompletan kes.
- Ovo takođe radi ako kes sadrži nevazeci PHP kod.  
(koji može da blokira TYPO3 CMS)
- Install Tool-u se može pristupiti i direktno, zaobilaznjem TYPO3 instalacije koja ne funkcioniše:  
<http://example.com/typo3/install>



The screenshot shows the left sidebar of the TYPO3 Install Tool. It includes links for Welcome, Important actions (which is highlighted with a dark grey background), System environment, Configuration Presets, Folder structure, Test setup, and a link to the TYPO3 documentation.



The screenshot shows the 'Clear all cache' page. It contains a heading 'Clear all cache', a descriptive text about the function, and a large 'Clear all cache' button.

This clear all cache function works similar to the cache clearing in the backend but follows a more straight ahead approach and the according backend hooks are not executed.

This method can throw a fatal error if some broken extension is loaded. If you get a white page or a PHP error message, check your system with the broken extension test below.

**Clear all cache**

# Install Tool

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## Clear All Cache

Redosled radnji prilikom izvršenja "Clear all cache":

1. Sadrzaj direktorijuma typo3temp/Cache je izbrisан
2. Tabele u bazi podataka cf\_\* se prazne
3. Fajlovi ext\_localconf.php i ext\_tables.php se ucitavaju iz prosirenja
4. flushCaches() se izvrsava

# Install Tool

## Provera prosirenja koja ne rade

- Nova funkcija u "Important actions" omogucava korisniku da proveri da li prosirenje moze da se ucita, a da ne srusi sistem
- Veoma korisno prilikom unapredjenja sa TYPO3 4.5 na 6.2

The screenshot shows the TYPO3 Install Tool's sidebar menu on the left and a detailed view of the 'Check for broken extensions' action on the right.

**Left Sidebar (Welcome Screen):**

- Welcome
- Important actions** (highlighted in dark grey)
- System environment
- Configuration Presets
- Folder structure
- Test setup
- Update wizard
- All configuration
- Clean up
- Logout from Install Tool

**Right Panel - Top Action:**

**Check for broken extensions**

Checks whether the local extensions ext\_tables and ext\_localconf files can be included without errors, meaning they can be loaded without breaking the system.

**Check extensions** (button)

**Bottom Result:**

**Check for broken extensions**

Checks whether the local extensions ext\_tables and ext\_localconf files can be included without errors, meaning they can be loaded without breaking the system.

**All local extensions can be loaded!** (green success message with a checkmark icon)

A red arrow points from the 'Check extensions' button in the top panel to the green success message in the bottom panel, indicating the result of the action.

# Install Tool

## Salted lozinke

- Kada kroz Install Tool kreiramo novog administratora sajta, a **salted** lozinka se koristi  
(zahteva instalirano, ucitano i konfigurisano prosirenje EXT:saltedpasswords)
- Install Tool lozinka je **salted** lozinka takođe  
(postojeći MD5 hes se konvertuje prilikom prvog logovanja)

The screenshot shows the TYPO3 Install Tool's 'Important actions' menu on the left and the 'Create backend administrator user' form on the right.

**Left sidebar (Important actions):**

- Welcome
- Important actions** (selected)
- System environment
- Configuration Presets
- Folder structure
- Test setup
- Update wizard
- All configuration
- Clean up

**Right panel (Create backend administrator user):**

**Create backend administrator user**

You should use this function only if there are no admin users in the database, for instance if this is a blank database. After you've created the user, log in and add the rest of the user information, like email and real name.

Username:

Password:

Password again:

**Create administrator**

# Install Tool

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## Kontekst aplikacije (1)

- TYPO3 >= 6.2 uzima **kontekst aplikacije** u obzir  
(poznato iz TYPO3 Flow)
- Promenjiva okruzenja TYPO3\_CONTEXT postavlja kontekst  
(podrazumevano: Production, podkontekst kao na primer Production/Staging je takođe moguć)

```
# File: .htaccess
# Rules to set Application Context based on hostname:

RewriteCond %{HTTP_HOST} ^dev\.example\.com$ 
RewriteRule (.*) $1 [E=TYPO3_CONTEXT:Development]

RewriteCond %{HTTP_HOST} ^www\.example\.com$ 
RewriteRule (.*) $1 [E=TYPO3_CONTEXT:Production]

# Sets an environment variable, which is then available to TYPO3 CMS:
SetEnvv TYPO3_CONTEXT Production
```

# Install Tool

## Podrazumevana podesavanja TYPO3\_CONF\_VARS

- Odredjena podesavanja TYPO\_CONF\_VARS-a mogu biti definisana u Install Tool-u
- Podesavanja kao stop su debug output, deprecation log, devIPmask i ostali sistemski logovi, kao i nivo logovanja
- Ugradjeni konteksti: "Production" i "Development" (konfiguracija po zelji korisnika je takođe moguća)

▼ Development / Production settings

TYPO3 can be run in a specific application context by using one of the built-in contexts "Production" (default), "Development" or "Testing". This can be used to provide specific configuration sets for each context. The context can be defined with the environment variable "TYPO3\_CONTEXT" which is usually set through your webserver configuration (e.g. in .htaccess).

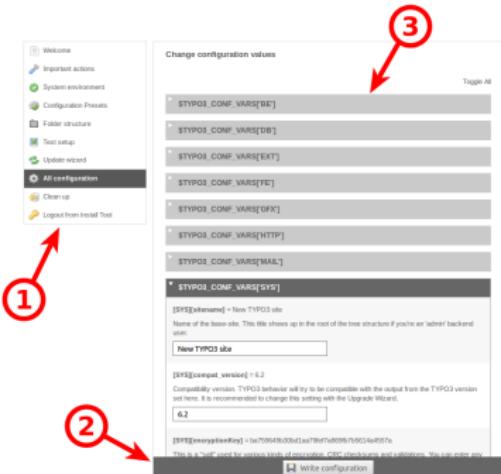
However, if you don't set a context environment variable, you can still use the install tool to select a configuration preset for "Production" or "Development" context. The goal is to configure a production instance with maximum performance and no debug output that is possibly shown to users, while development instances should enable error output. The configuration preset for "Production" is set by default. As a third alternative, you can enter a custom configuration.

<input checked="" type="radio"/> <b>Production [Active]</b> Production settings turn off debug output, deprecation logs and set logging to warnings and errors only.							
<input type="radio"/> <b>Development</b> Development settings enable debug output, deprecation logs and set logging to info level.							
<b>Custom configuration</b> Custom configuration mixture if no other preset fits. <table border="1"><tbody><tr><td>BE/debug</td></tr><tr><td>FE/debug</td></tr><tr><td>SYS/devIPmask</td></tr><tr><td>SYS/displayErrors</td></tr><tr><td>SYS/enableDeprecationLog</td></tr><tr><td>SYS/sqlDebug</td></tr><tr><td>SYS/systemLogLevel</td></tr></tbody></table>	BE/debug	FE/debug	SYS/devIPmask	SYS/displayErrors	SYS/enableDeprecationLog	SYS/sqlDebug	SYS/systemLogLevel
BE/debug							
FE/debug							
SYS/devIPmask							
SYS/displayErrors							
SYS/enableDeprecationLog							
SYS/sqlDebug							
SYS/systemLogLevel							

# Install Tool

## Poboljsana upotrebljivost

- Fiksirana pozicija levog menija kada se skroluje (1)
- Fiksirana pozicija dugmeta "Write configuration" na dnu (2)
- Unosi u "All Configuration" su grupisani (sekcije se otvaraju klikom na naslov) i sortirani (3)



# Install Tool

## Kodovi gresaka citljivi ljudima

- Kljucne reci sa znacenjem mogu da se koriste za sledece opcije:  
(TYPO3 < 6.2: samo numericke vrednosti)

[SYS] [errorHandlerErrors]

[SYS] [exceptionalErrors]

[SYS] [syslogErrorReporting]

[SYS] [belogErrorReporting]

[SYS][errorHandlerErrors] = 30466

Integer: The E\_\* constant that will be handled by the errorhandler. Not all PHP error types can be handled! Default is E\_ALL & ~(E\_STRICT | E\_NOTICE | E\_COMPILE\_WARNING | E\_COMPILE\_ERROR | E\_CORE\_WARNING | E\_CORE\_ERROR | E\_PARSE | E\_ERROR).

30466

Current PHP error code **30466** represents:

E\_WARNING | E\_USER\_ERROR | E\_USER\_WARNING | E\_USER\_NOTICE |  
E\_RECOVERABLE\_ERROR | E\_DEPRECATED | E\_USER\_DEPRECATED

- Extbase ViewHelper **format.phpErrorCode** se brine za prevodjenje u PHP kodove gresaka

# Install Tool

## Greske u strukturi foldera

- Grecke u "Folder Structure" su izlistane kao bedzevi (zaokruzen broj)

The screenshot shows the TYPO3 Install Tool interface. On the left, there's a sidebar with various navigation items. The 'Folder structure' item is highlighted and has a red badge with the number '3' indicating errors. The main area to the right displays a list of errors found in the folder structure.

**These files or folders have errors and may be automatically fixable:**

- Path /index.php is not a link**  
The target /index.php should be a link, but is of type file. This can not be fixed.  
Please investigate.
- Path /typo3 is not a link**  
The target /typo3 should be a link, but is of type dir. This can not be fixed. Please investigate.
- /typo3\_src should be a link, but it does not exist**  
Links can not be fixed by this system

**/typo3temp has wrong permission**  
Target permission are 2770 but current permission are 0777

# Install Tool

## Core unapredjenja

- Unapredjenje TYPO3 core-a na poslednju manju verziju sa samo jednim klikom
- Promenjiva okruzenja TYPO3\_DISABLE\_CORE\_UPDATER=1 onemogucava ovu funkcionalnost

The screenshot shows the TYPO3 Install Tool interface. On the left, there's a section titled "Core update" with the sub-instruction: "The install tool can automatically update the TYPO3 CMS core to its latest minor release if certain criteria are met." Below this is a button labeled "Check for core updates". To the right, a progress bar indicates the status: "Fetching list of released versions from typo3.org" (with a small loading icon). Further down, a green bar shows the result: "Fetched list of released versions" (with a checkmark icon). A blue bar below it displays a message: "Update to release 6.2.1 is available!" (with an info icon). At the bottom of this section is a button labeled "Update now".

# Install Tool

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## Ostalo

- Sve forme su zasticene sa CSRF (*cross-site request forgery*)
- Install Tool koristi uproscen Fluid Standalone View
- Samo neophodne TYPO3 funkcije se ucitavaju  
(ostacen ext\_localconf.php ili ext\_tables.php ili neko prosirenje ne mogu vise da ostete Install Tool)
- Nova pocetna tacka:
  - Pre: `typo3/sysext/install/Start/Install.php`
  - (postoji redirekcija sa starog URL-a na novi)
- Iskljuceno kesiranje obezbedjuje da se Install Tool moze koristiti, iako kes sadrzi nevazeci PHP code

# Install Tool

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## Ostalo

- Proverite da li PHP podešavanje `xdebug.max_nesting_level` pokazuje vrednost 250 ili visu (podrazumevana vrednost "100" može da stvara probleme)
- "Relaxed permission check":  
Ukoliko direktorijum sajta nema ispravne permisije (na primer "2770"), i ovo ne može da se resi, na primer iz razloga što direktorijum ne pripada korisniku koji je pokrenuo Install Tool, prvi korak instalacije puca. Opcija "targetPermissionRelaxed" smanjuje vaznost permisija i dozvoljava nastavak instalacije dokle god podfolderi mogu biti kreirani.

# Install Tool

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## Ostalo

- Uklonjene opcije (ključevi) iz Install Tool-a  
(a samim tim i iz fajla LocalConfiguration.php):

BE/loginLabels	FE/defaultTypoScript_editorcfg
BE/loginNews	FE/simulateStaticDocuments
BE/useOnContextMenuHandler	GFX/noIconProc
EXT/em_mirrorListURL	GFX/TTFLocaleConv
EXT/em_wsdlURL	SYS/additionalAllowedClassPrefixes
EXT/extList	SYS/caching/cacheBackends
EXT/extList_FE	SYS/caching/cacheFrontends
EXT/noEdit	SYS/extCache
	SYS/T3instID

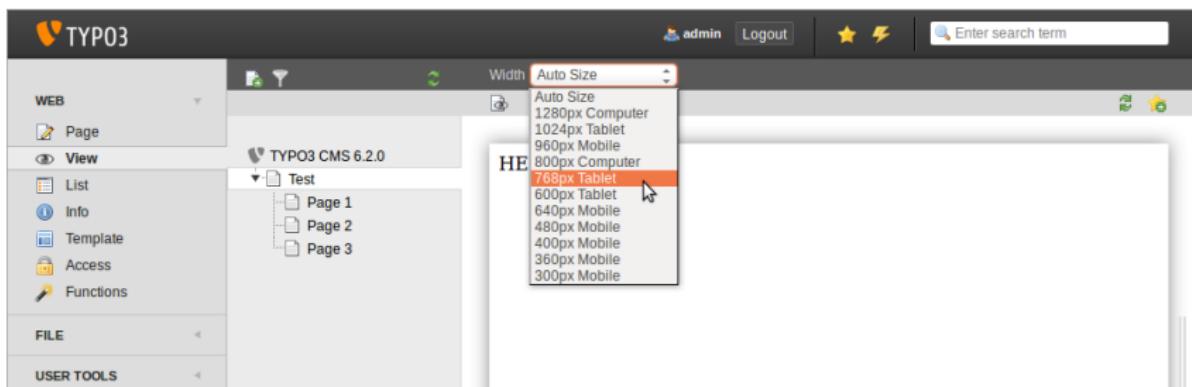
# Poglavlje 2:

# Risponsiv slike

# Risponsiv slike

## Izbor velicine ekrana u Page Preview

- Urednici mogu odabrati razlicite velicine ekrana pomocu modula "View" da testiraju risponsiv sajtove



# Risponsiv slike

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## Prilagodjavanje posltojecih velicina ekrana

- Velicine ekrana se mogu podesiti preko PageTSconfig:

```
mod.web_view.previewFrameWidths {  
    1780.label = <any LLL or string>  
    1780.height = 145  
}
```

- Sirina se određuje pomocu kljuca (ovde: 1780), visina je opcionala

- Predefinisane velicine se mogu naci u fajlu:

typo3/sysext/core/Configuration/DefaultConfiguration.php

- Naslovi se mogu definisati preko PageTSconfig:

```
mod.web_view.previewFrameWidths {  
    1280.label = LLL:EXT:viewpage/Resources/Private/Language/locallang.xlf:computer  
    1024.label = LLL:EXT:viewpage/Resources/Private/Language/locallang.xlf:tablet  
}
```

# Risponsiv slike

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## Risponsiv galerije slika

- Dodate su nove osobine za implementaciju risponsiv galerija slika
- "CSS styled content" je proširen da bi se ovo postiglo
- Primer: HTML5 (zahteva configdoctype = html5)

TYPO3 CMS < 6.2:

```
<div class="csc-textpic-imagewrap">...</div>
```

TYPO3 CMS >= 6.2:

```
<div class="csc-textpic-imagewrap"  
    data-csc-images="{register:imageCount}"  
    data-csc-cols="{field:imagecols}">...</div>
```

# Risponsiv slike

---

## Renderanje risponsiv slika

- cObject IMAGE rendera takozvani "sourceCollection" da bi podrzao razlicite dimenzije
- Renderanje risponsiv slika za cObject-e "text/image" i "image" zahteva dva podesavanja u Constant Editor:  
`styles.content.imgtext.responsive`  
`styles.content.imgtext.layoutKey`
- Prihvatljive ("out of the box") opcije su:
  - default: podrazumevani <img>-tag
  - srcset: <img>-tag sa dodatnim izvorima kao srcset-atribut
  - picture: <picture>-tag sa source-child-tagovima
  - data: <img>-tag sa dodatnim izvorima kao data-atributi

# Risponsiv slike

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## Osobina: layoutKey

- layoutKey definise renderanje layout-a  
(ovo je HTML kod, koji se koristi za `<img>`-tag)
- Svaka opcija ima jedinstveno ponasanje za renderanje HTML-a
- Opcija podrazumevana rendera `<img>`-tag standardno  
(ovo treba da se koristi ako sajt nije risponsiv)
- Implementiranje risponsiv layout-a zahteva razlicite dimenziije slika za razlicite rezolucije i velicine ekrana
- U zavisnosti od HTML framework-a, mogucnosti pretrazivaca i JavaScript biblioteka (za napredna poboljsanja):
  - koristiti jedan od unapred definisanih layout-a
  - definisati sopstveni layout

# Risponsiv slike

---

## Osobina: layout

```
layoutKey = {$styles.content.imgtext.layoutKey}
layout {
    default {
        element = 
    }
    srcset {
        element = 
        source = |*|###SRC### ###SRCSETCANDIDATE##*, |*|###SRC### ###SRCSETCANDIDATE##*
    }
    picture {
        element = <picture>###SOURCECOLLECTION###</picture>
        source = <source src="###SRC###" media="###MEDIAQUERY###"###SELFCLOSENTAGSLASH###>
    }
    data {
        element = 
        source = data-###DATAKEY###="###SRC###"
    }
}
```

# Risponsiv slike

---

## Osobina: layout.[layoutKey].element

- ###SRC###  
Atribut za URL: `src`
- ###WIDTH###  
Atribut za sirinu slike (u pikselima): `width`
- ###HEIGHT###  
Atribut za visinu slike (u pikselima): `height`
- ###PARAMS###  
Dodatni parametri kao sto su definisani u cObject IMAGE
- ###ALTPARAMS###  
Dodatni alternativni parametri kao sto su definisani u cObject IMAGE

# Risponsiv slike

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## Osobina: layout.[layoutKey].element

- ###BORDER###

Atribut za ivicu (u pikselima): border

- ###SELFCLOSINGTAGSLASH###

Zatvarajuci tag, na primer <img ... /> nasuprot <img ... >  
(zavisi od config.xhtmlDoctype ili config.doctype)

- ###SOURCECOLLECTION###

Dodatni izvor slike, zavisi od koriscenja risponsiv dizajna. Tacne vrednosti su definisane u: layout.[layoutKey].source

# Risponsiv slike

---

## Osobina: sourceCollection.[dataKey]

- Podrazumevan sourceCollection iz EXT:css\_styled\_content
- Pisanje sopstvenih sourceCollection-a je preporuceno

```
sourceCollection {  
    small {  
        width = 200  
        srcsetCandidate = 600w  
        mediaQuery = (max-device-width: 600px)  
        dataKey = small  
    }  
    smallRetina {  
        if.directReturn = 1  
        width = 200  
        pixelDensity = 2  
        srcsetCandidate = 600w 2x  
        mediaQuery = (max-device-width: 600px) AND (min-resolution: 192dpi)  
        dataKey = smallRetina  
    }  
}
```

# Risponsiv slike

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## Dodatni resursi

- Primeri koda:

[http://wiki.typo3.org/Responsive\\_Image\\_Rendering](http://wiki.typo3.org/Responsive_Image_Rendering)

- Artikl Sven Wolfermann-a na typo3.org:

[http://typo3.org/news/article/  
responsive-image-rendering-in-typo3-cms-62/](http://typo3.org/news/article/responsive-image-rendering-in-typo3-cms-62/)

- W3C specification:

<http://www.w3.org/html/wg/drafts/srcset/w3c-srcset/>  
<http://www.w3.org/TR/html-picture-element/>

- Working-Draft "Responsive Image Community Group":

<http://responsiveimages.org>

# Promene administratorskog dela

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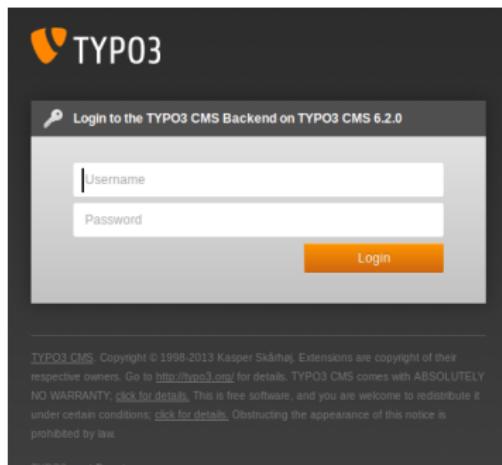
## Poglavlje 3:

# Promene administratorskog dela

# Promene administratorskog dela

## Logovanje na administratorski deo

- Autofokus na korisnicko ime u formi za logovanje na administratorski deo  
(HTML5 atribut: `autofocus="autofocus"`)



# Promene administratorskog dela

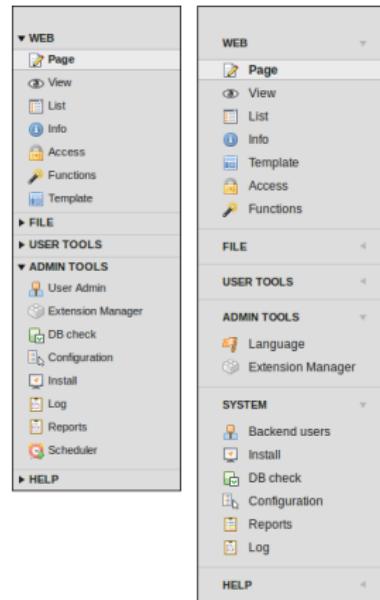
## Vizualni prikaz

- Poboljsana upotrebljivost uz pomoć osvezenog layout-a
- Margine izmedju stavki modula (leva kolona) su povecane
- Baziran na mrezi od 12 piksela, koji je udvostocen

Levo: TYPO3 4.5

Desno: TYPO3

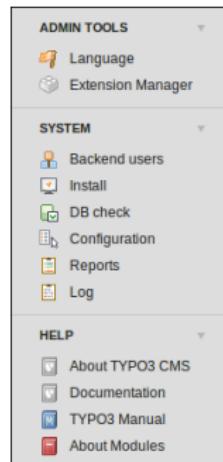
6.2



# Promene administratorskog dela

## Vizualni prikaz

- Moduli u levoj koloni su restrukturisani
- Modul "ADMINTOOLS" je podeljen u dva dela:
  - **ADMINTOOLS** ("Languages" i "Extension Manager")
  - **SYSTEM** (alatke koje ne prikazuju kolonu sa stablom strana)
- Modul "TypoScript Help" sklonjen (zastareo)



# Promene administratorskog dela

## Vizualni prikaz

- <h1>-naslovi u glavnom delu koriste TYPO3 font "Share"

Edit Page "Test"



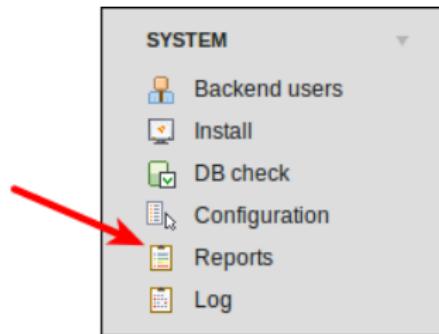
General	Access	Metadata	Appearance	Behaviour	Resources	Categories
<b>Page</b>						
Type	<input type="button" value="Standard"/>					
<b>Title</b>						
Page Title	<input type="text" value="Test"/>					
Alternative Navigation Title	<input type="text"/>					
Subtitle	<input type="text"/>					
<input type="button" value="Page [1]"/>						

# Promene administratorskog dela

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## Vizualni prikaz

- Modul "Reports" ima novu ikonicu



# Promene administratorskog dela

## Drag&Drop slanje fajlova (1)

- HTML5 Drag&Drop funkcionalnost za slanje fajlova implementirana u filelist

The screenshot shows the TYPO3 CMS 6.2 LTS interface. The top navigation bar includes the TYPO3 logo, user 'admin', 'Logout', and a search bar. The left sidebar has sections for WEB, FILE (selected), USER TOOLS, ADMIN TOOLS, SYSTEM, and HELP. The main content area is titled 'user\_upload' and shows a 'fileadmin/ (auto-created)' folder. A large central box contains the text 'Drag & drop to upload files' and 'Drop your files here, or click, browse & choose files'. Below this is a table listing files:

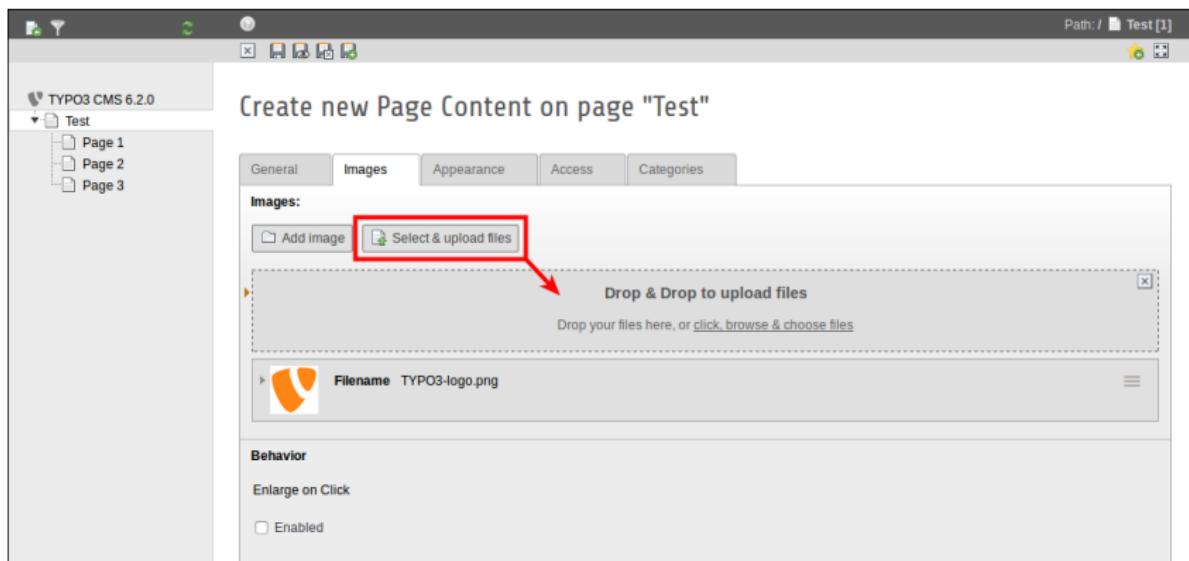
Filename	Type	Date	Size	RW	Ref
<a href="#">Temporary files ( temp. )</a>	Folder	-	1 File	<b>RW</b>	-
<a href="#">index.html</a>	HTML	07-02-14	0 B	<b>RW</b>	-

At the bottom of the table are checkboxes for 'Extended view', 'Display thumbnails', and 'Show clipboard'.

# Promene administratorskog dela

## Drag&Drop slanje fajlova (2)

- ...i kod sadrzaja (dugme: "Select & upload files")



# Promene administratorskog dela

## Upotrebljivost: lista korisnika administratorskog dela

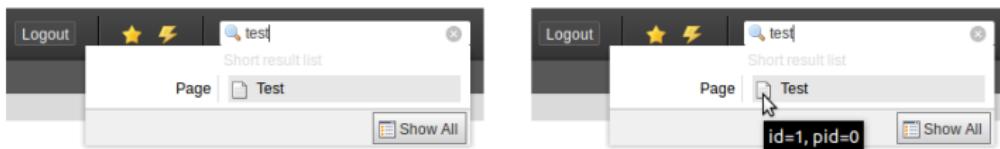
- Korisnicko ime i pravo ime su prikazani (prva kolona u list view)
- Klikom na korisnicko ime (pravo ime) otvara se link za uređivanje korisnickog naloga
- Dugme delete dodato je u list view

Username / Real Name	Last login
 administrator Firstname Lastname	 Compare    22-02-14 03:56
 ajolle Angelina Jolie	 Compare       Never
 bpitt Brad Pitt	 Compare       Never
3 Users	

# Promene administratorskog dela

## Live Search

- Tooltip pokazuje UID kao i PID u "livesearch"
- Kada se, nakon pretrage, uredjena forma zatvori, bice prikazan list view (a ne prazna strana)



# Promene administratorskog dela

## Live Search

- U TYPO3 < 6.2, za strane su uzimana u obzir samo polja iz baze title i uid
- U TYPO3 >= 6.2, polje alias moze biti dodato u pretragu (zahteva UserTSconfig: options.pageTree.searchInAlias = 1)

The screenshot shows the TYPO3 CMS 6.2.0 backend interface. On the left, there's a sidebar with 'WEB' and 'FILE' sections. Under 'WEB', there are links for View, List, Info, Template, Access, and Functions. Under 'FILE', there are links for Page, List, and Categories. In the center, the main content area has a title 'Edit Page "Test"'. Below the title are several tabs: General, Access, Metadata, Appearance, Behaviour, Resources, and Categories. The 'General' tab is selected. Under the 'General' tab, there's a section titled 'Links to this Page' with a sub-section 'URL Alias'. An input field contains the value 'typo3', which is highlighted with a red box and has a red arrow pointing to it from the left. To the right of the input field is a 'Link Target' input field. At the top of the screen, there's a navigation bar with 'admin', 'Logout', and a search bar containing 'typo3'. The page tree on the left shows a tree structure with 'Test' at the root, containing 'Page 1', 'Page 2', and 'Page 3'.

# Promene administratorskog dela

## File Abstraction Layer

- Naslov i ime fajla se prikazuju u zaglavlju FAL-a

Screenshot of the TYPO3 Backend interface showing the 'Images' tab of a file record.

The 'Images' tab is selected, and the file record for 'TYPO3 Logo' is displayed. The file details are shown in a modal:

- Title:** TYPO3 Logo
- Filename:** TYPO3\_logo\_200x200\_white.png

A red arrow points to the 'Title' field. The modal also contains a 'Behavior' section with 'Enlarge on Click' and 'Enabled' checkboxes, and a 'Page Content [8]' link at the bottom right.

# Promene administratorskog dela

## File Abstraction Layer (EXT:filemetadata)

- Sistemsko prosirenje "filemetadata" dodaje kartice koje prikazuju meta podatke  
(prosirenje se nalazi u instalaciji sistema, ali nije instalirano)

Edit File "TYPO3-logo.png" on root level

General Categories

 TYPO3-logo.png(3.3 Kbytes)  
Image (image/png)  
Location: fileadmin/ (auto-created) - /user\_upload/TYPO3-logo.png

Title: TYPO3 Logo

Description:



Edit File "TYPO3-logo.png" on root level

General Access Metadata Categories

 TYPO3-logo.png(3.3 Kbytes)  
Image (image/png)  
Location: fileadmin/ (auto-created) - /user\_upload/TYPO3-logo.png

Title: TYPO3 Logo

Description:

# Promene administratorskog dela

## File Abstraction Layer (EXT:filemetadata)

General	Access	Metadata	Categories
<b>Creator</b> <input type="text"/>			
Creator Tool	Publisher	Source	
<input type="text"/>	<input type="text"/>	<input type="text"/>	
<b>Geo Location</b>			
Country	Region	City	
<input type="text"/>	<input type="text"/>	<input type="text"/>	
Latitude	Longitude		
<input type="text"/> 0.000000000000000	<input type="text"/> 0.000000000000000		
<b>Metrics</b>			
Width	Height	Unit	Color Space
<input type="text"/> 68 	<input type="text"/> 68 		

# Promene administratorskog dela

## File Abstraction Layer

- Sada je moguce je prevesti FAL meta podatke

The screenshot illustrates the TYPO3 File Abstraction Layer (FAL) interface. On the left, a file list shows three items: 'Temporary files (.temp.)' (Folder), 'index.html' (HTML), and 'TYPO3\_icon\_200x200\_white.png' (PNG). A red arrow points from the 'index.html' row to its corresponding FAL metadata box on the right. Another red arrow points from the 'TYPO3\_logo.png' row to its FAL metadata box. The FAL metadata boxes show the following details:

General	Categories
 TYPO3_logo.png (4.7 Kbytes) Image (Image/png) Location: fileadmin/ (auto-created) - User_upload /TYPO3_logo.png	
<b>Title</b> TYPO3 Logo	
<b>Description</b> The amazing TYPO3 logo	

# Promene administratorskog dela

## Modue: Documentation

- Modul "Documentation" dozvoljava administratorima da preuzimaju i pregledavaju uputstva
- Nova TYPO3 instalacija podrazumeva prisustvo ovog modula
- Funkcija "Manage Documentation" preuzima uputstva (pogledati ilustraciju)
- Preko Extension Manager-a moguce je ukljuciti ovaj modul

The screenshot shows the TYPO3 CMS 6.2 LTS interface with the 'Documentation' extension selected in the 'Manage Extensions' list. A red box highlights the 'Download Documentation' button at the top of the page. Below it, a table lists various TYPO3 documentation and reference materials, each with its title, extension key, type, and actions.

Title	Extension key	Type	Actions
Documentation	documentatator	Extension	
Frontend Login for Website Users	fe_login	Extension	
Form	form	Extension	
RSA authentication for TYPO3	rsashash	Extension	
AdminArea RTE	referencearea	Extension	
Salted user password hashes	saltdpasswords	Extension	
Core API Reference	api	Reference	
Coding Guidelines	cg	Reference	
Editors Tutorial	editors	Tutorial	
Official TYPO3 Database and Fluid Guide	database	Guide	
Developing TYPO3 CMS Extensions with Database and Fluid	databasebook	Book	

# Promene administratorskog dela

## Modul: Documentation

- Funkcija "Show Documentation" prikazuje preuzeta uputstva

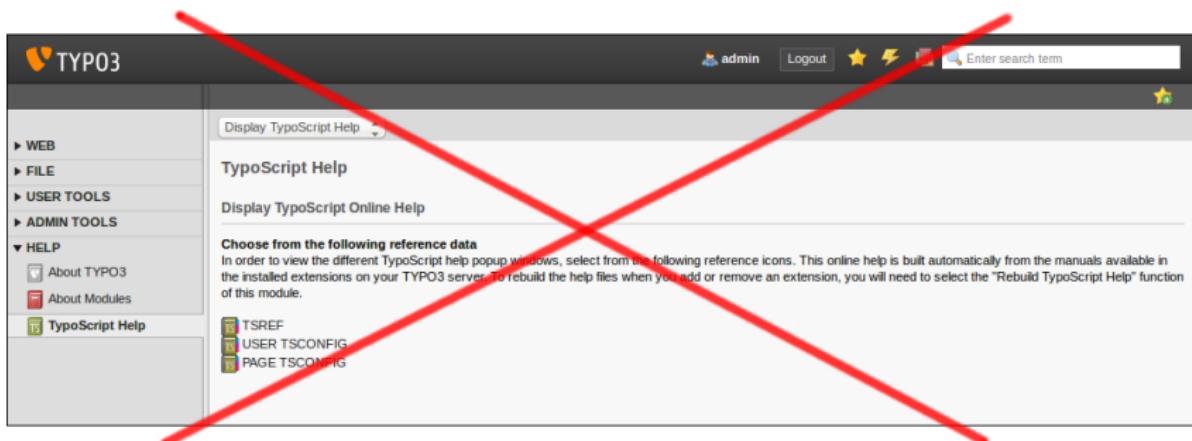
The screenshot shows the TYPO3 CMS 6.2 LTS interface. The top navigation bar includes the TYPO3 logo, user 'admin', 'Logout', and search functions. A sidebar on the left lists 'WEB', 'FILE', 'USER TOOLS', 'ADMIN TOOLS', 'SYSTEM', 'HELP' (with 'About TYPO3 CMS', 'Documentation', 'TYPO3 Manual', and 'About Modules' listed), and a dropdown menu 'Show Documentation'. The main content area is titled 'Show Documentation' and contains a search bar. Below it is a table with three rows of documentation entries:

Title	Description	Actions
Getting Started	TYPO3 Tutorial	
Installation and Upgrade Guide	TYPO3 Guide	
Security Guide	TYPO3 Guide	

# Promene administratorskog dela

## Uklonjeno: TypoScript Help

- EXT:tsconfig\_help ("TSconfig Quick Reference") uklonjeno  
(zastarele informacije koje nisu menjane još od TYPO3 CMS 4.1)



# Promene administratorskog dela

## Scheduler

- Brisanje scheduler task-a pregledu za izmenu  
(U TYPO3 < 6.2, opcija za brisanje bila je dostupna samo u list view)

The screenshot shows the TYPO3 CMS 6.2 LTS interface. On the left is a sidebar with links like WEB, FILE, USER TOOLS, ADMIN TOOLS, and SYSTEM. Under SYSTEM, the 'Scheduler' link is highlighted. The main content area has a title 'Scheduled tasks' and a sub-section 'Edit task'. A red arrow points to the delete icon (a trash can) in the toolbar above the edit form. The edit form contains fields for Disable (checkbox), Class (dropdown), Type (dropdown set to 'Recurring'), Task group (dropdown), Start (date/time input), and End (date/time input).

# Promene administratorskog dela

## Scheduler

- Scheduler zadaci mogu sadrzati opise koji se prikazuju kao podnaslovi u list pregledu, ili kao tulpipovi (pogledati sledeci slajd)

Edit task

Disable	<input type="checkbox"/>
Class	Update extension list (extensionmanager)
Type	Recurring
Task group	
Start (HH:MM DD-MM-YYYY)	<input type="text"/>
End (HH:MM DD-MM-YYYY)	<input type="text"/>
Frequency (seconds or cron command)	86400
Allow Parallel Execution	<input type="checkbox"/>
Description	This task updates the extension list once a day



# Promene administratorskog dela

## Scheduler

- Opis zadatka kao podnaslov  
(ova opcija mora biti aktivirana u konfiguraciji prosirenja)

ID	Task	Type	Frequency	Parallel Execution	Last Execution	Next Execution
1	Update extension list (extensionmanager) This task updates the extension list once a day	Recurring	86400	No	-	24-02-14 00:00

**Execute selected tasks**

- Opis zadatka se prikazuje kao tulpip ("hover")

ID	Task	Type	Frequency	Parallel Execution	Last Execution	Next Execution
1	Update extension list (extensionmanager)	Recurring	86400	No	-	24-02-14 00:00

**Execute selected tasks**

This task updates the extension list once a day

# Promene administratorskog dela

## Scheduler

- Sada je moguce grupisanje scheduler task-ova
- Dodati "scheduler task group" rut strani (UID: 0) i izabrati grupu

The image shows two screenshots of the TYPO3 CMS 6.2 backend interface. The left screenshot, titled 'New record', shows the 'Scheduler' node under 'System Records' highlighted with a red box. The right screenshot, titled 'Edit task', shows the 'Task group' field set to 'System Maintenance Tasks' also highlighted with a red box. Two red arrows point from the 'Scheduler' node in the first screenshot to the 'Task group' field in the second screenshot.

New record

TYPO3 CMS 6.2.0

- Create a new page
  - Page (inside)
  - Page (after)
  - Page (select position)
- Scheduler**
- Scheduler task group

System Records

- Backend usergroup
- Backend user
- Category
- Record Collection
- File Storage
- Filemount
- Website Language
- System News

Edit task

Disable

Class: Update extension list (extensionmanager)

Type: Recurring

**Task group:** System Maintenance Tasks

Start (HH:MM DD-MM-YYYY): 00:00 01-01-2014

End (HH:MM DD-MM-YYYY):

Frequency (seconds or cron command): 86400

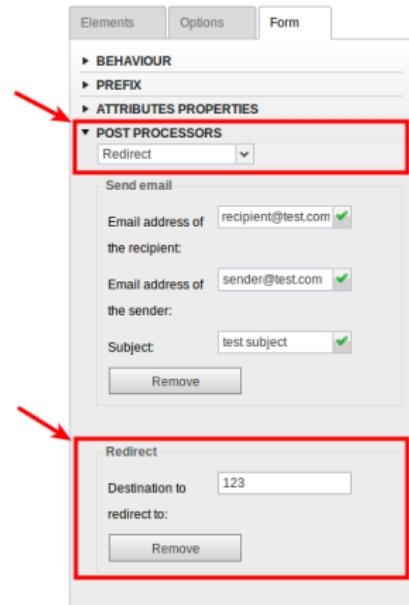
Allow Parallel Execution

Description: This task updates the extension list once a day

# Promene administratorskog dela

## Sistemsko prosirenje: Form

- Novi post-processor za cObject  
**FORM: redirect**  
(redirekcija nakon postavljanja forme)
- Vrednost parsira typolink  
(TypoScript funkcija),  
sto znači da vrednost može biti  
ID strane ili URL



# Promene administratorskog dela

## List Modul

- Dodatne kolone "UID" i "PID" kod list view-a za uredjivace

Template (1) ▾

Template Title

NEW SITE

[Ref] [uid] [pid]

1 1

Include Static Templates After Basis Templates

Setup

Description

Static Template Files from TYPO3 Extensions

Versioning Label

[uid]  
[pid]  
[tstamp]  
[crdate]  
[cruser\_id]

# Promene administratorskog dela

## File Abstraction Layer

- Ako indexer uoci da neki fajl nedostaje prikazuje se poruka i upisuje se u bazi podataka da fajl nedostaje
- Modul "Reports" takodje prikazuje ovaj problem
- Kada se fajl vrati, poruka i zapis u bazi podataka se brisu

General Images Appearance Access Categories

**Images:**

Add Image

**File is missing!**  
This file is marked as missing: typo3-logo.jpg

Title TYPO3 Logo  
Filename typo3-logo.jpg

**Behavior**

Enlarge on Click

Enabled



▼ **File Abstraction Layer**

**⚠ Files flagged as missing** 1 files

These files are flagged as missing. Restore the files and run the indexer to reset the missing flag.  
fileadmin/ (auto-created) /user\_upload/typo3-logo.jpg

# Promene administratorskog dela

## Meniji kategorija (1)

- Elemenat sadrzaja "Menu/Sitemap" moze da napravi meni u zavisnosti od kategorija

The screenshot shows the TYPO3 CMS Backend interface. On the left, there's a toolbar with tabs: 'Typical page content', 'Special elements' (which is selected and highlighted in blue), 'Form elements', and 'Plugins'. Below the toolbar, there's a list of special elements:

- File Links**: Makes a list of files for download.
- Media**: Inserts a media element like a Flash animation, audio file or video clip.
- Special Menus**: Creates a menu of pages, sitemap or other special menus. This item is highlighted with a red box.
- Plain HTML**: With this element you can insert raw HTML code on the page.
- Divider**: This element inserts a visual divider, which is by default a horizontal line.
- Insert records**: With this element you can embed other content elements.

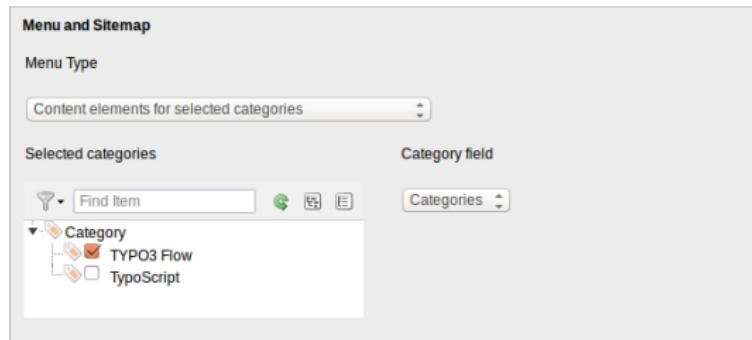
A red arrow points from the 'Special Menus' item in the list to a configuration dialog box titled 'Menu and Sitemap'. This dialog has the following settings:

- Menu Type**: Set to 'Pages for selected categories'.
- Selected categories**: A tree view showing a category node expanded, with 'TYPO3 Flow' checked (indicated by a checked checkbox icon).
- Category field**: A dropdown menu set to 'Categories'.

# Promene administratorskog dela

## Meniji kategorija (2)

- Novi tip menija: "Elemenat sadrzaja za selektovane kategorije"



# Promene administratorskog dela

## Sortiranje kategorija

- Sada kategorije mogu biti sortirane  
(u TYPO3 < 6.2, kategorije su uvek sortirane abecednim redosledom)

The screenshot shows the TYPO3 backend interface for managing categories. At the top, there's a header bar with the title "Category (2)". Below it is a list table with three rows:

	Title	[Ref]
	TYPO3 Flow	1
	TypoScript	-

A red arrow points to the fourth column of the second row, specifically to the "Delete" icon (a trash can). This icon is part of a set of icons used for managing the category entry.

# Promene administratorskog dela

## Vidljivost kategorija

- Vidljivost kategorija moze biti zabranjena za uredjivace i grupe uredjivaca

The screenshot shows the 'Category Mounts' configuration in the TYPO3 Backend. At the top, there is a navigation bar with tabs: General, Access Rights, Mounts and Workspaces (which is selected), Options, and Access. Below the navigation bar, under 'Workspace permissions:', there is a checkbox labeled 'Edit Live (Online)' which is checked. A vertical ellipsis '...' is positioned between the workspace permissions section and the category mounts section. In the 'Category Mounts' section, there is a tree view showing a 'Category' node expanded, with 'TYPO3 Flow' and 'TypoScript' as its children. At the bottom right of the main content area, there is a user icon and the text 'Backend user [2]'. The entire interface has a light gray background.

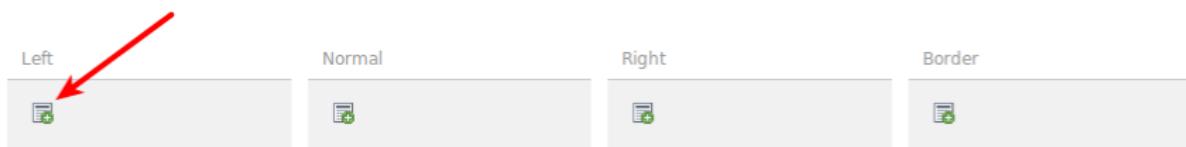
# Promene administratorskog dela

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## Korisnost

- Ikonica "new content" je uvek vidljiva ako je kolona prazna  
(ovo pomaze uredjivacima da razumeju sta mogu da urade)

## Test Page



# Promene administratorskog dela

## Functions

- Kada se kreira vise strana odjednom u modulu "functions", novi cek boks omogucava uredjivacima da sakriju ove strane u meniju  
(very useful, when creating a number of pages at a time)

Create multiple pages

Create new pages:

Page 1:	<input type="text"/>	Type: <input type="button" value="Standard"/>
Page 2:	<input type="text"/>	Type: <input type="button" value="Standard"/>
Page 3:	<input type="text"/>	Type: <input type="button" value="Standard"/>

Place new pages after the existing subpages  
 Hide new pages  
 Hide new pages in menus



# Promene administratorskog dela

## Extension Manager

- Snimanje prosirenja pomoću funkcije "Get Extensions"

The screenshot shows the TYPO3 Extension Manager interface. On the left, there's a sidebar with navigation links for WEB, FILE, USER TOOLS, ADMIN TOOLS (Language, Extension Manager), SYSTEM, and HELP. The main area has a title bar with 'admin' and 'Logout' buttons, a search bar, and a toolbar with stars and a lightning bolt icon. A modal window titled 'Get Extensions' is open, showing a file input field with 'Upload Extension.t3x/.zip' and a 'Go' button. Below the modal is a table listing extensions:

Actions	Extension	Key	Version	Description	State
	A1 Teasermenu	a1_teasermenu	0.1.0	Displays a teaser for advanced subpages or a...	stable
	News	a1_ttnews	0.4.0	News plus caching	obsolete
	New button for BE list module	a21beilisbutton	0.1.0	Adds a new customizable button to the page...	alpha
	A21 Glossary	a21glossary	0.9.4	A21 Glossary - automatical conversion of all...	stable
	Extension Language Editor	a4n_edit_loclang	1.1.1	You can edit all extension language files with...	beta

At the bottom right of the table, it says 'Time since last update: 0 min' and 'Update now'.

# Promene administratorskog dela

## Recycler

- Zapisi iz Recycler-a mogu biti sortirani po datumu  
(Ovo pomaze uredjivacima da odluce da li da povrate odredjeni fajl ili ne)

Recycler

The recycler allows you to select any deleted data and undelete it. You can undelete recursive if the parent of the element is deleted too.

UID	PID	Records ▲	Table	Last edit
5	1	test content element 1	Page Content	23-02-1
6	1	test content element 2	Page Content	23-02-1
7	1	test content element 3	Page Content	23-02-1

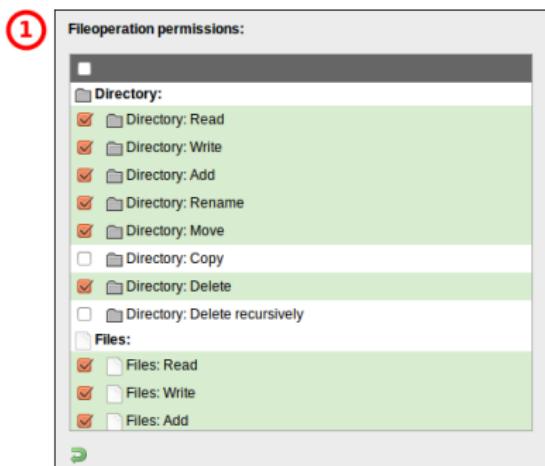
**Sort Options:** Sort Ascending (A-Z) or Sort Descending (Z-A). Columns button is also available.

Page 1 of 1 | Displaying records 1 - 3 of 3 | Delete | Undelete

# Promene administratorskog dela

## Permisije za fajlove i direktorijume

- Vise opcija kod postavljanja permisija fajlova i direktorijuma za uredjivace i grupe uredjivaca **(1)**
- Ovo je moguce od TYPO3 6.0, ali samo preko UserTSconfig **(2)**



```
permissions.file.default {  
    addFile = 0  
    readFile = 1  
    writeFile = 0  
    copyFile = 0  
    moveFile = 0  
    renameFile = 0  
    unzipFile = 0  
    deleteFile = 0  
    addFolder = 0  
    readFolder = 1  
    writeFolder = 0  
    copyFolder = 0  
    moveFolder = 0  
    renameFolder = 0  
    deleteFolder = 0  
    recursiveDeleteFolder = 0  
}
```

A red circle labeled '2' is positioned at the top left of the code block. The code defines the 'permissions.file.default' TSconfig setting, which maps various file operations to binary values (0 or 1).

# Promene administratorskog dela

## OpenID (1)

- OpenID za autentifikaciju uredjivaca moze biti postavljen preko carobnjaka
- EXT:openid (sistemsко prosirenje) je neophodno za ovo

Edit Backend user "brad.pitt" on root level

General	Access Rights	Mounts and Workspaces	Options
<b>Disable:</b> <input type="checkbox"/>			
<b>Username:</b> brad.pitt			
<b>OpenID identifier:</b> <input type="text"/>  <input type="button" value="..."/>			
<b>Password:</b> *****			

OpenID registration

Add an OpenID to your backend user. This OpenID can then be used to log in the TYPO3 backend.

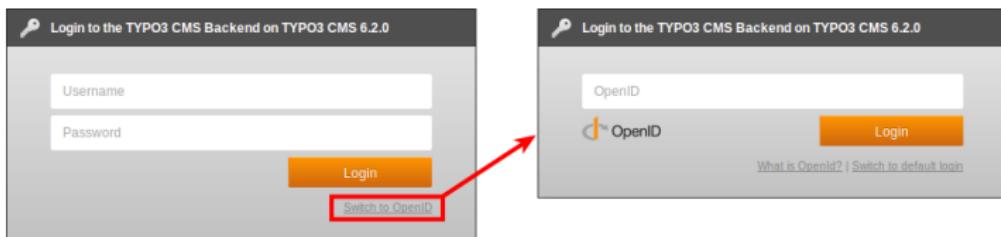
OpenID identifier



# Promene administratorskog dela

## OpenID (2)

- OpenID za autentifikaciju uredjivaca moze biti postavljen preko carobnjaka
- EXT:openid (sistemsко просирење) je neophodno za ovo

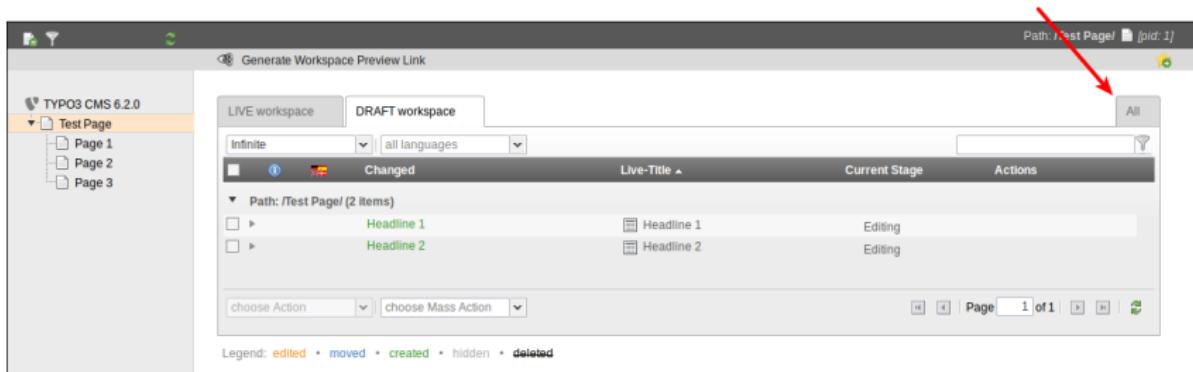


- Further details about OpenID:  
<http://openid.net>

# Promene administratorskog dela

## Workspaces

- Uredjivaci mogu da definisu koga da obaveste, bez ogranicenja sisatema
- Tab "All" je od sada vidljiv svim korisnicima



The screenshot shows the TYPO3 CMS 6.2.0 workspace preview interface. On the left, there's a tree view of pages under 'Test Page': 'Page 1', 'Page 2', and 'Page 3'. The main area displays a table of changes:

Path	Changed	Live-Title	Current Stage	Actions
Path: /Test Page/ (2 items)	Headline 1 Headline 2	Headline 1 Headline 2	Editing Editing	

At the bottom, there are buttons for 'choose Action' and 'choose Mass Action', and a legend: edited (blue), moved (orange), created (green), hidden (grey), deleted (red). A red arrow points to the 'All' tab at the top right of the interface.

## Poglavlje 4:

# TSconfig i TypoScript

# TSconfig i TypoScript

---

## Ukljuciti TypoScript

- Ukljuciti sve TypoScript fajlove iz direktorijuma (rekurzivno)

```
<INCLUDE_TYPOSCRIPT: source="DIR:directory">  
<INCLUDE_TYPOSCRIPT: source="DIR:EXT:myextension/res/setup">
```

- Redosled ukljucivanja fajlova:

abecedno, prvo fajlovi a zatim direktorijumi

- Ograniciti koji fajlovi ce biti ukljuceni uz pomoc extensions="..."

```
<INCLUDE_TYPOSCRIPT: source="DIR:directory" extensions="ts">
```

- Podrazumevano samo fajlovi sa ekstenzijama ts, t3, t3s, t3c, txt se mogu ukljuciti

- Ova lista se moze konfigurisati preko Install Tool-a:

```
$TYPO3_CONF_VARS['SYS']['tsfile_ext']
```

# TSconfig i TypoScript

---

## Ukljuciti TypoScript

- Relativne putanje se mogu proslediti preko INCLUDE\_TYPOSCRIPT, ako se poziv vrši rekurzivno iz fajla
- Prvo ukljucenje **mora biti** absolutno
- ./ označava direktorijum u kojem se nalazi poslednji ukljuceni fajl
- ../ označava roditeljski direktorijum poslednjeg ukljucenog fajla
- Primeri:

```
<INCLUDE_TYPOSCRIPT: source="FILE:directory/typoscript/setup.ts">
<INCLUDE_TYPOSCRIPT: source="FILE:./filename.ts">
<INCLUDE_TYPOSCRIPT: source="FILE:../filename.ts">
<INCLUDE_TYPOSCRIPT: source="FILE:../directory/filename.ts">
```

# TSconfig i TypoScript

---

## strPad

- Opcija stdWrap je dodata strPad svojstvu

```
page = PAGE
page.10 = TEXT
page.10 {
    value = Hello World!
    strPad {
        length = 5
        length {
            current = 1
            setCurrent.data = TSFE:page|uid
            setCurrent.wrap = | + 80
            prioriCalc = 1
        }
        padWith = .
    }
}
```

# TSconfig i TypoScript

---

## \_DEFAULT\_PI\_VARS

- stdWrap je dodata za \_DEFAULT\_PI\_VARS
- \_DEFAULT\_PI\_VARS se koristi kako bi se postavile osnovne vrednosti za piVars (GET/POST promenljive u prosirenjima)
- TYPO3 < 6.2

```
plugin.tt_news._DEFAULT_PI_VARS {  
    year = 2013  
}
```

- TYPO3 >= 6.2

```
plugin.tt_news._DEFAULT_PI_VARS {  
    year.stdWrap.data = date:Y  
}
```

# TSconfig i TypoScript

---

## Debug Output

- Debug output za registar i promenljive stranice:

```
$GLOBALS['TSFE']->register  
$GLOBALS['TSFE']->page
```

- Primeri:

```
10 = LOAD_REGISTER  
10.variable = value
```

```
20 = TEXT  
20.data = debug:register
```

```
30 = TEXT  
30.data = debug:page
```

SYS_LASTCHANGED	1376804898
variable	wert
uid	1
pid	0
t3ver_oid	0
t3ver_id	0
t3ver_wsid	0
t3ver_label	
t3ver_state	0
t3ver_stage	0
t3ver_count	0
t3ver_tstamp	0
t3ver_move_id	0
t3_origuid	0
tstamp	1376804898
sorting	256
deleted	0

# TSconfig i TypoScript

---

## Fajl linkovi

- Fajl linkovi imaju opis, naslov i labelu za alternativni tekst za svaki fajl.  
Moze im se pristupiti preko registara:
  - register:description
  - register:titleText
  - register:altText
- Primer:

```
# filelinks
tt_content.upload.20 {
    # link description instead of filename
    labelStdWrap.data = register:description
    # output alternative text
    itemRendering.20.data = register:titleText
}
```

# TSconfig i TypoScript

---

## stdWrap funkcija: replacement (1)

- Opcija replace u stdWrap-funkciji replacement sada podrzava optionSplit
- Primer 1:

```
10 = TEXT
10.value = TYPO3_inspires_people_to_share
10.replacement.10 {
    search = _
    replace = 1 || 2 || 3
    useOptionSplitReplace = 1
}
```

Ishod:

TYPO31inspires2people3to3share

# TSconfig i TypoScript

---

## stdWrap funkcija: replacement (2)

- Opcija replace u stdWrap-funkciji replacement sada podrzava optionSplit
- Primer 2:

```
10 = TEXT
10.value = TYPO3 inspires people to share
10.replacement.10 {
    search = #(TYPO3|people|share)#i
    replace = ${1} CMS || all ${1} || collaborate and ${1}
    useOptionSplitReplace = 1
    useRegExp = 1
}
```

Ishod:

TYPO3 CMS inspires all people to collaborate and share

# TConfig i TypoScript

---

## cObject FILE

- Dodata su dva registra u cObject FILES:  
FILE\_NUM\_CURRENT i FILES\_COUNT
- Primer:

```
10 = FILES
10 {
    references {
        table = tt_news
        uid.field = uid
        fieldName = media
    }
    renderObj = COA
    renderObj {
        10 = TEXT
        10.value = Renders first file twice
        10.if.isTrue.data = register:FILE_NUM_CURRENT
        20 = TEXT
        20.value = file {register:FILE_NUM_CURRENT} of {register:FILES_COUNT}
        20.insertData = 1
    }
}
```

# TConfig i TypoScript

---

## Category Menu

- Generise meni kategorija u TypoScript-u
- Primer:

```
page.20 = HMENU
page.20 {
    special = categories
    special {
        # comma-separated list of categories
        value = 1
        # sort by title (stdWrap)
        sorting = title
        # sorting "asc" or "desc" (stdWrap)
        order = desc
        1 = TMENU
        1.NO {
            allWrap = <li> | </li>
        }
    }
}
```

# TConfig i TypoScript

---

## pristup kategorijama

- Osobina categories dozvoljava pristup kategorijama za cObject RECORDS
- Primer:

```
# menu of categorized content elements
categorized_content = RECORDS
categorized_content {
    categories.field = selected_categories
    categories.relation.field = category_field
    tables = tt_content
    conf.tt_content = TEXT
    conf.tt_content {
        field = header
        typolink.parameter = {field:pid}#{field:uid}
        typolink.parameter.insertData = 1
        wrap = <li>|</li>
    }
    wrap = <ul>|</ul>
}
```

# TSconfig i TypoScript

---

## CSS i JavaScript fajlovi

- splitChar se sada moze definisati za allWrap osobine
- Wrap sada funkcione kao standardna stdWrap.wrap metoda
- Podrazumevani splitChar-karakter je simbol uspravne crte: |
- Ova promena utice na:
  - includeCSS
  - includeJSlibs
  - includeJSFooterlibs
  - includeJS
  - includeJSFooter

# TSconfig i TypoScript

---

## Uslovi

- Uslov userFunc sada prihvata vise argumenata
- TYPO3 < 6.2

```
[userFunc = user_function(argument1)]
```

- TYPO3 >= 6.2

```
[userFunc = user_function(argument1, argument2, ...)]
```

- Primer:

```
[userFunc = user_match(checkSubnet, 192.168)]  
  
function user_match($command, $subnet) {  
    switch($command) {  
        case 'checkSubnet':  
            if (strpos(getenv('REMOTE_ADDR'), $subnet)) { ... }  
    }  
}
```

# TSconfig i TypoScript

---

## Uslovi

- Application context se moze odrediti uz pomoc uslova
- Wildcards "+" i "\*" i regular expressions su podrzani
- Primeri:

```
[applicationContext = Development/Debugging, Development/Profiling]
    # TYPO3 site in development stage
[global]

[applicationContext = Production*]
    # TYPO3 site in production stage
    # for example "Production/Live" or "Production/Staging"
[global]

[applicationContext = /~TestServer\d+$/]
    # TYPO3 site on TestServer1 or TestServer2 or TestServer3, etc.
[global]
```

# TSconfig i TypoScript

---

## Uslovi

- Prilikom koriscenja IP sulova, klucna rec devIP se moze koristiti kako bi se proverilo da li se IP adresa korisnika podudara sa devIpMask podesavanjima u Install Tool-u
- Primer:

```
[IP = devIP]
page.10 = TEXT
page.10.value = Hello Developer!
[global]
```

# TSconfig i TypoScript

---

## Zapisi bez podrazumevanog prevoda

- Nova opcija `includeRecordsWithoutDefaultTranslation` vraca zapise bez lokalizovanog roditeljskog zapisa  
(ali `languageField` se podudara sa trenutnim jezikom)
- Primer:

```
pageContent = CONTENT
pageContent {
    table = tt_content
    select.includeRecordsWithoutDefaultTranslation = 1
    ...
}
```

# TConfig i TypoScript

---

## cObject FILES

- cObject FILES sada podrzava begin i maxItems kao osobine
- Primer:

```
page.10 = FILES
page.10 {
    references {
        table = pages
        uid.data = page:uid
        fieldName = media
    }

    # retrieve up to 5 files, beginning at the first (0):
    begin = 0
    maxItems = 5

    renderObj = TEXT
    renderObj {
        data = file:current:size
        wrap = <p>File size:<strong>|</strong></p>
    }
}
```

# TSconfig i TypoScript

---

## Iskljuciti doktypes iz stabla sa stranicama

- Specificni doktypes se mogu iskljuciti iz stabla sa stranicama
- Konfigurise se u UserTSconfig (stoga utice na specificnog korisnika ili grupu)
- Primeri:

```
# exclude "folder" pages
options.pageTree.excludeDoktypes = 254
```

```
# exclude "folder" and "standard" pages
options.pageTree.excludeDoktypes = 254,1
```

# TSconfig i TypoScript

---

## Sakriti module u administrativnom panelu

- Moduli se mogu sakriti
- Ovo ne utice na pristup modulu  
(koristiti ACL za administratora ili grupe kako bi se zabranio pristup)
- Primeri:

```
options.hideModules = file, help
options.hideModules.web := addToList(func,info)
options.hideModules.system = BeLogLog
```

# TSconfig i TypoScript

---

## Preview Domain

- Može se podešiti alternativni domen za pregled stranice/sajta u PageTS
- Korisno za sajtove sa više domena
- Primer:

```
TCEMAIN.viewDomain = example.com
```

# TConfig i TypoScript

---

## Uslovi u Backend Layouts

- Backend layouts sada podrzava uslove
- Primer:

```
backend_layout {  
    colCount = 2  
    rowCount = 1  
    rows {  
        1 {  
            columns {  
                1.name = Main  
                1.colPos = 0  
                2.name = Right  
                2.colPos = 1  
            }  
        }  
    }  
}  
  
[PIDinRootline = 123]  
# remove right column in branch of page ID 123  
backend_layout.rows.1.columns.2 >  
[global]
```

# TConfig i TypoScript

---

## Razno

- Omoguciti/onemoguciti "forgot password" link uz pomoc opcije showForgotPassword  
(korisno ukoliko je ukljuceno vise login formi preko EXT:felogin na jednoj strani)
- HTTP response je sada ukljucen u zaglavlje Content-length
  - Ubrzava renderovanje ukoliko je pipelining omogucen u Apache-u
  - moze se konfigurisati kroz config.enableContentLengthHeader
- Result lista EXT:indexed\_search ima stdWrap-properties  
(opcija: plugin.tx\_indexedsearch.resultlist\_stdWrap)

## Poglavlje 5:

# Package Management

# Package Management

---

## Package Manager

- **Package Manager** iz Typo3 Flow je uveden u Typo3 CMS
- Razvoj/istrazivanje zapoceto je za vreme razvijanja TYPO3 CMS 6.1 verzije
- Ovaj projekat ima za cilj da uskladi formate razlicitih paketa
- Prosirenja u TYPO3 CMS su samo specificni tipovi paketa ("Packages")
- Glavni ciljevi projekta:
  - Odgovarajuci API za Package Management
  - Vendor Namespace podrška
  - Composer Package podrška
  - Flow Package podrška
  - Autoloader Re-factoring

# Package Management

---

## Implementacija Package Manager-a

- Uklonjen je `$TYPO3_CONF['EXT']['extListArray']` iz fajla:  
`typo3conf/LocalConfiguration.php`
- Stari sadrzaj fajla `typo3conf/LocalConfiguration.php` prekopiran je u  
`typo3conf/LocalConfiguration.beforePackageStatesMigration.php`
- Fajl `typo3conf/PackageStates.php` sadrzi:
  - stanje paketa (aktivno/neaktivno)
  - lokacija prosirenja u fajl sistemu
- Prosirenja iz sledecih direktorijuma se prepoznaju automatski:
  - `typo3/sysext/`
  - `typo3/ext/`
  - `typo3/contrib/`
  - `typo3conf/ext/`
  - `Packages/` (rekurzivno)

# Package Management

---

## Implementacija Package Manager-a

- Dva nova (dodatna) fajla u direktorijumu prosirenja:
  - composer.json
  - Classes/Package.php
- Ukoliko je prosirenje neophodno, oznaka protected se postavlja u fajlu composer.json
- Ukoliko fajl PackageStates.php on ce biti (ponovno) kreiran i sadrzace sva prosirenja kojima je gore navedena osobina podesena na TRUE
- Autoloader dobija sopstveni administrativni panel koji se kesira
- Dodatne informacije:  
<http://wiki.typo3.org/Blueprints/Packagemanager>

# Package Management

---

## Implementacija Package Manager-a

### Primer: typo3conf/PackageManager.php

```
return array ('packages' =>
    array (
        'core' =>
            array (
                'manifestPath' => '',
                'composerName' => 'typo3/cms/core',
                'state' => 'active',
                'packagePath' => 'typo3/sysext/core/',
                'classesPath' => 'Classes/',
            ),
        'workspaces' =>
            array (
                'manifestPath' => '',
                'composerName' => 'typo3/cms/workspaces',
                'state' => 'inactive',
                'packagePath' => 'typo3/sysext/workspaces/',
                'classesPath' => 'Classes/',
            ),
        ...
    ),
    'version' => 4,
);
```

# Package Management

---

## Implementacija Package Manager-a

### Primer: composer.json

```
{  
    "name": "typo3/cms-indexed-search",  
    "type": "typo3-cms-framework",  
    "description": "TYPO3 Core",  
    "homepage": "http://typo3.org",  
    "license": ["GPL-2.0+"],  
    "version": "6.2.0",  
    "require": {  
        "typo3/cms-core": "*"  
    },  
    "replace": {  
        "indexed_search": "*"  
    }  
}
```

# Package Management

---

## Implementacija Package Manager-a

- Paketi se takođe mogu aktivirati za vreme rada uz pomoć ključa:

```
$GLOBALS['TYPO3_CONF_VARS']['EXT']['runtimeActivatedPackages'] =  
array( packageKey );
```

- Ovaj ključ se aktivira odmah nakon inicijalizacije Package Management-a

# Poglavlje 6:

## Konceptualne izmene

# Konceptualne izmene

---

## Normalize.css

- Administrativni deo koristi `normalize.css`, koji pomaze pretrazivacima da sve elemente prikazuju konzistentnije i u skladu sa modernim standardima
- Moderan, HTML5-ready, alternativa na tradicionalni CSS reset
- Ciljevi `normalize.css` su:
  - sacuvati korisna standardna podešavanja pretrazivaca, a ne izbrisati ih
  - normalizovati stilove za siroki spektar HTML elemenata
  - ispraviti greske i ceste nedoslednosti pretrazivaca
  - poboljsati upravljanje novim unapredjenjima
  - pojasniti kod uz pomoć komentara i detaljne dokumentacije

# Konceptualne izmene

---

## TCA: displayCond Options BIT i !BIT

- Cek boks sa vise vrednosti u displayCond (bitwise)  
BIT: setovan je bit, !BIT: nije setovan bit

Podrazumevani TCA:

```
'content' => array(
    'label' => '...',
    'config' => array(
        'type' => 'check',
        'items' => array(
            array('Content A', ''),
            array('Content B', ''),
            array('Content C', ''),
        ),
    ),
),
```

Primeri:

```
'content_a' => array(
    'label' => '...',
    'displayCond' => 'FIELD:content:BIT:1',
    'config' => array(
        'type' => 'text',
    )
),
'content_b' => array(
    'label' => '...',
    'displayCond' => 'FIELD:content:!BIT:2',
    'config' => array(
        'type' => 'text',
    )
),
```

# Konceptualne izmene

---

## Azuriranje Jezika

- Extbase Command Controller dozvoljava azuriranje jezika za proširenja(ekstenzije):

```
$GLOBALS['TYPO3_CONF_VARS']['SC_OPTIONS']['extbase'][  
    'commandControllers'][] =  
    'TYPO3\\CMS\\Lang\\Command\\LanguageCommandController';
```

- Primer poziva:

```
typo3/cli_dispatch.phpsh extbase language:update de,en,fr
```

- Lista lokalnih jezickih promenljivih odvojena zarezima (npr. de,en,fr) ogranicava azuriranje na samo te jezike
- Bez ovih argumenata azuriraju se svi jezici odredjeni u "Languages" modulu

# Konceptualne izmene

---

## Sistemska prosirenja: ReST uputstva

- Sva uputstva koja se tisu sistemskog prisirenja(ekstenzije) su prebacena u reStructuredText
- OpenOffice uputstva se vise ne koriste i uklonjena su
- ReST je lak za citanje i pracenje, uradjen po principu "dobijes ono sto vidis", sa jednostavnim sistemom za markiranje sintakse i sistemom za parsiranje
- ReST fajlovi sistemskog prosirenja nalaze se na:  
`typo3/sysext/<extensionkey>/Documentation/*`
- Dodatne informacije:
  - <http://de.wikipedia.org/wiki/ReStructuredText>
  - <http://wiki.typo3.org/ReST>

# Konceptualne izmene

---

## Custom Translation Servers

- Implementirana custom translation servers podrška za proširenja
- Upotrebom XLIFF i novog Signal/Slot,  
koriscenje postaje vrlo jednostavno (primer na sledecem slajdu)
- Moguce translation server rešenje: **Pootle**
  - Online alat za upravljanje prevodima sa interfejsom za prevode
  - napisan u Python/Django
  - razvijeno i objavljeno: [translate.org.za](http://translate.org.za)
  - GNU GPL licenca

# Konceptualne izmene

---

## Custom Translation Servers

Primer: EXT:myextension/localconf.php

```
/**  
 * @var \TYPO3\CMS\Extbase\SignalSlot\Dispatcher $signalSlotDispatcher  
 */  
$signalSlotDispatcher =  
    \TYPO3\CMS\Core\Utility\GeneralUtility::makeInstance(  
        'TYPO3\\CMS\\Extbase\\SignalSlot\\Dispatcher');  
  
$signalSlotDispatcher->connect(  
    'TYPO3\\CMS\\Lang\\Service\\UpdateTranslationService',  
    'postProcessMirrorUrl',  
    'Company\\Extension\\Slots\\CustomMirror',  
    'postProcessMirrorUrl'  
);
```

# Konceptualne izmene

---

## Custom Translation Servers

Primer: EXT:myextension/Classes/Slots/CustomMirror.php

```
<?php
namespace Company\Extensions\Slots;
class CustomMirror {

    /**
     * @var string
     */
    protected static $extKey = 'myextension';

    public function postProcessMirrorUrl($extensionKey, &$mirrorUrl) {
        if ($extensionKey === self::$extKey) {
            $mirrorUrl = 'http://example.com/typo3-packages/';
        }
    }
}
```

# Konceptualne izmene

---

## Custom Translation Servers

Ocekivana struktura fajlova/direktorijuma na serveru:

```
http://example.com/typo3-packages/
  '-- <first-letter-of-extension-key>
    '-- <second-letter-of-extension-key>
      '-- <extension-key>-l10n
          |-- <extension-key>-l10n-de.zip
          |-- <extension-key>-l10n-fr.zip
          |-- <extension-key>-l10n-it.zip
          '-- <extension-key>-l10n.xml
```

Na primer:

`http://example.com/typo3-packages/m/y/myextension-l10n/myextension-l10n.xml`

# Konceptualne izmene

---

## Custom Translation Servers

Primer: <extension-key>-l10n.xml

```
<?xml version="1.0" standalone="yes" ?>
<TERlanguagePackIndex>
  <meta>
    <timestamp>1374841386</timestamp>
    <date>2013-07-26 14:23:06</date>
  </meta>
  <languagePackIndex>
    <languagepack language="de">
      <md5>1cc7046c3b624ba1fb1ef565343b84a1</md5>
    </languagepack>
    <languagepack language="fr">
      <md5>f00f73ae5c43cb68392e6c508b65de7a</md5>
    </languagepack>
    <languagepack language="it">
      <md5>cd59530ce1ee0a38e6309544be6bcb3d</md5>
    </languagepack>
  </languagePackIndex>
</TERlanguagePackIndex>
```

# Konceptualne izmene

---

## Automatski t3d uvoz

- Prosirenja sada automatski mogu uvesti osnovne **t3d pakete** nakon instalacije
- fajlovi sadrže stvari kao sto su podaci, relacije, fajlovi, itd.
- t3d fajl se mora zvati data.t3d i nalaziti na:  
EXT:myextension/Initialisation/
- Uvoz je potrebno uraditi samo jednom  
(cak iako se prosirenje kasnije reinstalira)

# Konceptualne izmene

---

## Automatski uvoz fajla

- Prosirenja sada automatski mogu uvesti osnovne **fajlove** nakon instalacije
- Fajlovi se moraju nalaziti na:  
EXT:myextension/Initialisation/Files/...
- Fajlovi se kopiraju na sledecu lokaciju:  
fileadmin/<extensionkey>/
- Uvoz je potrebno uraditi samo jednom  
((cak iako se prosirenje kasnije reinstalira))

# Konceptualne izmene

---

## Koriscenje prosirenja u ulozi repozitorijuma

- Cesto prosirenja zavise od prilagodjenih verzija drugih prosirenja ili onih prosirenja koja nisu objavljena od strane zvanicnog TYPO3 Extension Repository (TER)
- Kako bi se resio ovaj problem, prosirenja sada mogu biti prebacena uz neko drugo prosirenje
- Ovakva prosirenja se (neraspakovana) moraju nalaziti na:  
EXT:myextension/Initialisation/Extensions/...
- Nakon instalacije, kopiraju se na:  
typo3conf/ext/
- Na ovaj nacin, medjusobna zavisnost prosirenja je razresena

# Konceptualne izmene

---

## Instalacija/deinstalacija prosirenja preko CLI

- Instalacija i deinstalacija prosirenja preko command line interface (CLI)
- Primeri:

```
typo3/cli_dispatch.phpsh extbase extension:install <extensionkey>
```

```
typo3/cli_dispatch.phpsh extbase extension:uninstall <extensionkey>
```

- Napomena: potreban je administrator **\_cli\_lowlevel**

# Konceptualne izmene

---

## Kaskadno brisanje dece elemenata

- TCA sada sadrzi podesavanja da omoguci/onemoguci kaskadno brisanje dece elemenata
- Relacija mora biti tipa "**inline**"
- Podrazumevana vrednost je TRUE (brisanje zapisa je omoguceno)
- Primer (onemoguciti brisanje zapisa):

```
...
'type' => 'inline',
'foreign_table' => ...,
'behaviour' => array(
    'enableCascadingDelete' => 0
)
...
)
...
...
```

# Konceptualne izmene

---

## Visestruka polja za kategoriju po tabeli

- U TYPO3 < 6.2 moguce je pozvati `makeCategorizable()` samo jednom po tabeli (visestruki pozivi bi pregazili prethodne deklaracije koje se ticcu kategorija polja)
- Od TYPO3 >= 6.2, postoji mogucnost visestrukih polja za kategoriju po tabeli
- Primer:

```
\TYPO3\CMS\Core\Utility\ExtensionManagementUtility::makeCategorizable(  
    $extensionKey,  
    $tableName,  
    $fieldName = 'categories',  
    $options = array(  
        'label' => 'my category'  
    )  
);
```

- Doseknuto vrijednosti u tabeli za svaku polje kategorija mogu se

# Konceptualne izmene

---

## Backend Layout Data Providers

- U TYPO3 < 6.2, backend layouts smesteni su u bazu podataka kao obicni zapisi
- Od TYPO3 >= 6.2, takozvani *data providers* mogu se definisati (na primer, kako bi se omogucilo da prosirenja prenesu svoj backend layout iz staticnog fajla)
- Data providers moraju implementovati interfejs:  
TYPO3\CMS\Backend\View\BackendLayout\DataProviderInterface
- i mogu se registrovati na sledeci nacin:

```
$GLOBALS['TYPO3_CONF_VARS']['SC_OPTIONS'][  
    'BackendLayoutDataProvider'][$_EXTKEY] = 'Classname';
```

# Konceptualne izmene

---

## Backend Layout Data Providers

- Nove API funkcionalnosti za upravljenje backend layout data providers:

```
'itemsProcFunc' => 'TYPO3\CMS\Backend\View\\  
BackendLayoutView->addBackendLayoutItems'
```

```
getBackendLayoutView()->getSelectedCombinedIdentifier($id);  
getBackendLayoutView()->getSelectedBackendLayout();
```

- Nova PageTConfig opcija za izostavljenje backend layouts:

```
options.backendLayout.exclude = default_1, my_extension_headerLayout
```

# Konceptualne izmene

---

## Multiple Value Selector (1)

- Omoguceno filtriranje dostupnih stavki kod elementa sa vise opcija selektovanja (TCA podesavanja)
- Na primer: omoguciti tekstualno polje za filtriranje pojedinacnih reci i predefinisana pretraga reci koje korisnik moze odabrati iz padajuceg menija
- Kako bi se koristila ova nova opcija, potrebno je ispravno podesiti TCA (npr. u fajlu typo3conf/extTables.php):

```
$GLOBALS['TCA']['fe_users']['columns']['usergroup']['config']
['enableMultiSelectFilterTextfield'] = TRUE;

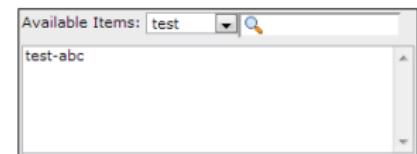
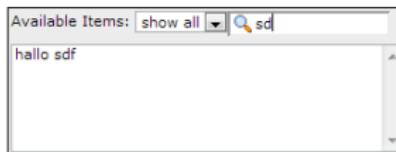
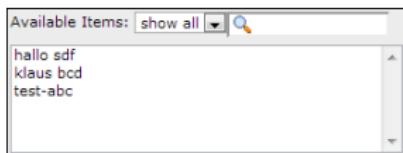
$GLOBALS['TCA']['fe_users']['columns']['usergroup']['config']
['multiSelectFilterItems'] = array(
    array('',      'show all'), // no filter
    array('test', 'test'),     // first value: filter, second value: label
    array(
        'label' =>
```

# Konceptualne izmene

---

## Multiple Value Selector (2)

- Dostupne su dve opcije:
  - Odabrati predefinisane opcije iz padajućeg menija
  - Uneti ključne reci za pretragu u polje za pretragu
- Rezultat bi izgledao:

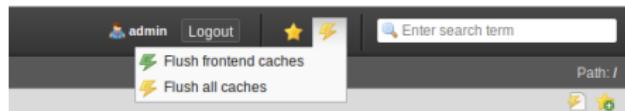


# Konceptualne izmene

---

## Kes grupe (1)

- TYPO3 core koristi dva tipa kesiranja:
  - **system-related caches**: class loading cache, configuration cache, l10n\_cache, extbase\_object, extbase\_reflection etc.
  - **frontend-related caches**: cHash cache, page cache, page section cache
- U TYPO3 < 6.2, *clear all caches* prazni sav kes, sto nije idealno
- U TYPO3 >= 6.2, core koristi dve kes grupe:  
"pages" sav kes koji se odnosi na kesiranje na strani i "**system**", kes koji se tice vremena za kompjajliranje i konfigurisanje



# Konceptualne izmene

---

## Kes grupe (2)

- Znacajna opcija za konfigurisanje:

(u fajlovima: LocalConfiguration.php/DefaultConfiguration.php)

```
'cache_hash' => array(  
    'frontend' => 'TYPO3\CMS\Core\Cache\Frontend\VariableFrontend',  
    'backend' => 'TYPO3\CMS\Core\Cache\Backend\Typo3DatabaseBackend',  
    'options' => array(),  
    'groups' => array('pages', 'all')  
,
```

- Komanda "Flush all caches" vise ne brise system-related caches (samo "Clear Configuration Cache" ili Install Tool prazni ovakav tip kesa)
- Nova userTSconfig opcija omogucava da i neadministratori imaju mogucnost da ociste sistemski kes:

```
options.clearCache.system = 1
```

**THIS IS A BREAKING CHANGE!**

# Konceptualne izmene

---

## TCA: Number of Ticked Checkboxes

- TCA dozvoljava validaciju broja selektovanih cek boksova
  - maximumRecordsChecked:  
ogranicava broj zapisa system-wide
  - maximumRecordsCheckedInPid:  
ogranicava broj zapisa PID-wide (parent ID)
- Ukoliko administrator prekoraci maksimalni broj, dodatno cekiranje se ponistava sve dok se neki drugi zapis ne odcekira
- Primer:

```
$tcaConfiguration = array(  
    'type' => 'check',  
    'eval' => 'maximumRecordsChecked',  
    'validation' => array(  
        'maximumRecordsChecked' => 5  
    )  
);
```

# Konceptualne izmene

---

## TCA: MM\_oppositeUsage osobina

- Prilikom kopiranja zapisa sys\_category, kreira se nova MM referenca, ali se tom prilikom ne postavlja "fieldname"
- Ova vrednost se u odnosu na suprotni entitet prosto definise sa MM\_match\_fields, ali joj se ne moze pristupiti
- Kako bi se razresio ovaj problem, uvodi se novi properti MM\_oppositeUsage za TCA:

```
'config' => array(  
    'allowed' => '*',  
    'MM' => 'tx_myextension_first_second_mm',  
    'MM_oppositeUsage' => array(  
        'tt_content' => array('somefield'),  
        'tx_myextension_domain_model' => array('some_property'),  
    ),  
,
```

# Konceptualne izmene

---

## Razno

- **Posebno prilagodjena lista rekorda:**

Posebno prilagodjena lista rekorda se moze koristiti u pretrazivacu elemenata i da pregazi prepostavljenu listu

- **Vise subgroups:**

Atribut subgroup u tabeli be\_groups promjenjen je iz varchar(250) u text, sto omogucava vise podgrupa (administratori/administratorske grupe)

- **Prosirenja TS/Template su integrisana:**

"WEB > Template" je bio podeljen u nekoliko prosirenja (tstemplate\_ceditor, tstemplate\_info, tstemplate\_objbrowser i tstemplate\_analyzer). Sada su ta prosirenja spojena u jedno pod nazivom "tstemplate"

# Konceptualne izmene

---

## Razno

- **label\_userFunc\_options:**

Dodata podrška za `label_userFunc_options` u `BackendUtility`

- **Naziv prosirenja:**

Kada se prosirenje preuzima iz Extension Manager-a, naziv prosirenja sadrži timestamp (godina, mesec, dan i vreme):

`<extensionKey>_<version>_<timestamp>.zip`

`myextension_1.0.0_201312102359.zip`

- **EXT:saltedpasswords:**

Prosirenje EXT:saltedpasswords je sada obavezno sistemsko prosirenje i odmah je aktivirano. Ovo forsira salted heširanje za autentifikaciju administratora. Install Tool proverava podešavanja i prilagodjava ih ukoliko je to neophodno.

# Konceptualne izmene

---

## Razno

- **SignalSlots za modifikovanje argumenata:**

Argument prosledjen SignalSlots dispatcher-u može da se izmeni i sada dispatcher vraća (izmenjen) argument kao što ga je i primio da ne bi narušio uvezivanje.

- **Workspace pregled:**

Parametri upita sada se prosledjuju workspace pregledu. Ovo je bio problem u TYPO3 < 6.2, gde su proširenja prosledjivala posebno prilagođene parametre koji nisu radili kako valja.

- **TCEforms PlaceHolder funkcija:**

Uvedena u TYPO3 CMS 4.7, TCEforms funkcija, PlaceHolder, sada radi rekurzivno (npr. \_\_row|uid\_foreign|field).

# Konceptualne izmene

---

## Razno

### ■ Ikonice u duploj rezoluciji:

SpriteManager sada podrzava ikonice u visokoj rezoluciji: generise drugi sprite sa ikonicama u duploj velicini (drugi fajl sa sufiksom "@x2.png"). CSS3 se stara o tome da ikonice u visokoj rezoluciji budu prikazane na uredjajima koji ovo podrzavaju (ne utice na performanse drugih uredjaja).

### ■ Proxy NTLM autentifikacija:

Dodata podrška za proxy NTLM autentifikaciju (**NT LAN Manager**: paket Microsoft sigurnosnih protokola) Ova mogucnost se moze aktivirati preko Install Tool-a:

```
$GLOBALS['TYPO3_CONF_VARS']['SYS']['curlProxyNTLM']  
(mogucnost koja je zahtevana pre vise od 8 godina)
```

# Konceptualne izmene

---

## Razno

### ■ **cookieHttpOnly kao osnovno podešavanje:**

Kako bi se session kolaciku moglo pristupiti samo kroz HTTP protokol, cookieHttpOnly je omoguceno kao osnovno podešavanje.

Ovo znači da kolacicima, "fe\_typo\_user" i "be\_typo\_user" se više neće moci pristupiti preko skript jezika (npr. JavaScript), što pojedjava zaštitu protiv XSS napada (*cross site scripting*). Neki stariji pretrazivaci ne podržavaju ovu tehniku.

### ■ **Prociscene tabele u bazi podataka:**

Sledeći atributi su izbaceni iz tabele u bazi tt\_content (ne koristi se od TYPO3 4.0): text\_align, text\_face, text\_size, text\_color, text\_properties.

# Konceptualne izmene

---

## Razno

- **HTML Tidy uklonjeno:**

Funkcionalnost *HTML Tidy* je uklonjena iz TYPO3 core. Može se lako ponovo pokrenuti instalacijom EXT:tidy iz TER.

- **dontSetCookie uklonjeno:**

Zbog cinjenice da se kolacic "fe\_typo\_user" podesava samo ako je potreban (ne uvek), the Install Tool opcija dontSetCookie je postala suvisna i samim tim je uklonjena.

- **"Wizard" scripts uklonjeno:**

Sledeći "wizard" scripts su uklonjeni: typo3/wizard\_add.php, typo3/wizard\_colorpicker.php, typo3/wizard\_edit.php, typo3/wizard\_forms.php, typo3/wizard\_list.php, typo3/wizard\_rte.php, typo3/wizard\_table.php

# **Application Programming Interface**

---

## Poglavlje 7:

# **Application Programming Interface (API)**

# Application Programming Interface

---

## Hook: tsfe::checkEnableFields

- U TYPO3 < 6.2, "extend to subpages" se ne moze koristiti u prosirenjima koja imaju dodatna pravila o vidljivosti strane (lista polja koja se mogu cekirati su kodovana u `tsfe::checkEnableFields()`)
- U TYPO3 >= 6.2, novi hook omogucava porsirenjima da dodaju nova pravila koja se tice vidljivosti strane, onda kada nadstrana ima aktivirano "extend to subpages"
- Klasa:

```
\TYPO3\CMS\Frontend\Controller\TypoScriptFrontendController
```

```
$GLOBALS['TYPO3_CONF_VARS']['SC_OPTIONS']
```

```
['tslib/class.tslib_fe.php']['hook_checkEnableFields']
```

# Application Programming Interface

---

## Hook: checkFlexFormValue u DataHandler-u

- U TYPO3 < 6.2 kada se azuriraju vrednosti iz Flexform-e ne postoji provera da li je postojeća vrednost u bazi podataka zapravo obrisana.
- Ovo postaje problem, npr. pri pokusaju snimanja switchable controller actions (Extbase) u Flexform-i: stare akcije koje možda vise nisu prisutne morale su se ukloniti ručno
- U TYPO3 >= 6.2 novi hook dozvoljava da se podaci stare Flexform-e prilagode pre nego što se integrisu sa novim
- Klasa:

```
\TYPO3\CMS\Core\DataHandling\DataHandler  
$GLOBALS['TYPO3_CONF_VARS']['SC_OPTIONS'][  
    't3lib/class.t3lib_tcmain.php']['checkFlexFormValue']
```

- Metoda:  
`checkFlexFormValue_beforeMerge()`

# Application Programming Interface

---

## Hook za prilagodjavanje zaglavlja

- U TYPO3 >= 6.2 novi hook dozvoljava modifikovanje zaglavlja strane u page modulu (Module: "Web > Page")
- Ovaj hook se poziva pre nego sto se izrendera sadrzaj strane
- Klasa:

```
\TYPO3\CMS\Backend\Controller\PageLayoutController  
$GLOBALS['TYPO3_CONF_VARS']['SC_OPTIONS'][  
    'cms/layout/db_layout.php']['drawHeaderHook']
```

- Metoda:  
`callUserFunction()`

# Application Programming Interface

---

## IRRE: osnovne vrednosti za napravljene zapise

- Novi TCA omogucava konfigurisanje "inline" polja
- Kljuc `foreign_record_defaults` dozvoljava da (osnovne) vrednosti budu postavljene u novokreiranom zapisu

```
'config' => array(
    'type' => 'inline',
    'foreign_table' => 'tt_content',
    'foreign_record_defaults' => array(
        ' CType' => 'image'
    ),
)
```

Primer iznad: tt\_content elementi kreirani za ovo IRRE polje ce biti **image content elements**. Urednik moze podesiti neki drugi tip pre snimanja.

# Application Programming Interface

---

## Workspaces (1)

- U TYPO3 < 6.2 modul workspace mogao se prosiriti samo ukoliko se pregaze PHP i JavaScript komponente
- U TYPO3 >= 6.2 sada je moguce prosiriti definisanost i ponasanje prikazanih kolona u modulu
- Neki od primera su na sledecim slajdovima...

# Application Programming Interface

---

## Workspaces (2)

Primer (fajl ext\_localconf.php):

```
$GLOBALS['TYPO3_CONF_VARS']['SC_OPTIONS'][  
    't3lib/class.t3lib_tcemain.php']['processCmdmapClass']['workspaces_logger'] =  
    'Vendor\\WorkspacesLogger\\Hook\\DataHandlerHook';
```

Primer (fajl ext\_tables.php):

```
\TYPO3\CMS\Workspaces\Service\AdditionalColumnService::getInstance()->register(  
    'WorkspacesLogger_StageChange',  
    'Vendor\\WorkspacesLogger\\DataProvider'  
);  
  
\TYPO3\CMS\Workspaces\Service\AdditionalResourceService::getInstance()->addJavaScriptResource(  
    'WorkspacesLogger',  
    'EXT:myextension/Resources/Public/JavaScript/StageChange.js'  
);
```

# Application Programming Interface

---

## Workspaces (3)

Primer (fajl Vendor\WorkspacesLogger\Hook\DataHandlerHook):

```
<?php
namespace Vendor\WorkspacesLogger\Hook;
use TYPO3\CMS\Core\SingletonInterface;

class DataHandlerHook implements SingletonInterface {

    const TABLE_Name = 'tx_workspaceslogger_event';
    const EVENT_SetStage = 91;

    /**
     * hook that is called when no prepared command was found
     */
    public function processCmdmap($command, $table, $id, $value, &$commandIsProcessed,
        \TYPO3\CMS\Core\DataHandling\DataHandler $tcemainObj) {
        ...
        $action = (string) $value['action'];
        if ($command === 'version' && $action === 'setStage' && $commandIsProcessed) {
            ...
        }
    }
}
```

# Application Programming Interface

---

## Kompatibilni PSR-3 Logger

- TYPO3 CMS 6.2 API za kreiranje logova sada je PSR-3 kompatabilan
- PSR-3 ima za cilj da napravi standard za belezenje logova u PHP-u (standard za PHP Framework Interop Group)
- Glavni zadatak PSR-3 je "*omoguciti da biblioteke sadrže LoggerInterface objekte, kako bi se logovi zapsivali na jednostavan i univerzalan nacin*"
- Logger interfejs sadrži kratke log metode kao što su debug(), warning(), notice(), alert(), error(), etc.
- Dodatne informacije:  
<http://www.php-fig.org/psr/3/>

# Application Programming Interface

---

## CSRF zasticeni Ajax pozivi

- Ajax pozivi u TYPO3 administratorskom panelu mogu se zaštiti od CSRF (*cross-site request forgery*) ako se registruju njihovi hendleri

```
\TYPO3\CMS\Core\Utility\ExtensionManagementUtility::registerAjaxHandler(  
    'TxMyExt::process',  
    '\Vendor\MyExt\AjaxHandler->process'  
,);
```

- URL za dati Ajax ID sadrži CSRF zaštitni token, koji će biti proveren od strane ajax.php dispecera

```
$ajaxUrl = \TYPO3\CMS\Core\Utility\BackendUtility::getAjaxUrl('TxMyExt::process');
```

- Ovim podešavanjima se može pristupiti u JavaScript kontekstu strane

```
var ajaxUrl = TYPO3.settings.MyExt.ajaxUrl;
```

# Application Programming Interface

---

## Razno

- Nova metoda `canBeInterpretedAsFloat()` u klasi: `MathUtility` (analogno metodi: `canBeInterpretedAsInteger()`)
- Novi tip za nabranje (nije u relaciji sa nekim drugim PHP modulima):  
`\TYPO3\CMS\Core\Type\Enumeration`

Na primer korisceno kod:

`\TYPO3\CMS\Core\Versioning\VersionState`

...a zatim kao:

```
new VersionState(VersionState::DEFAULT_STATE);
```

## Poglavlje 8:

# Extbase i Fluid

# Extbase i Fluid

---

## ObjectManager->getScope()

- Metod ObjectManager->getScope() proverava, da li je tip klase **prototype** ili **singleton**

```
/**  
 * @var \TYPO3\CMS\Extbase\Object\ObjectManagerInterface  
 * @inject  
 */  
protected $objectManager;  
  
$this->objectManager->getScope($propertyTargetClassName) === \TYPO3\CMS  
\Extbase\Object\Container\Container::SCOPE_PROTOTYPE  
  
$this->objectManager->getScope($propertyTargetClassName) === \TYPO3\CMS  
\Extbase\Object\Container\Container::SCOPE_SINGLETON
```

# Extbase i Fluid

---

## Tip strane za URI

- Page type atribut vise nije neophodan u linkovima kada se rendera specijalni format

### TYPO3 < 6.2:

```
<f:link.action arguments="{blog: blog}" pageType="{settings.plaintextPageType}"
    format="txt">[plaintext]</f:link.action></li>
```

- Nova opcija u TypoScript-u formatToPageTypeMapping dozvoljava globalno mapiranje:

```
plugin.tx_myextension {
    view.formatToPageTypeMapping {
        txt = 99
        pdf = 123
    }
}
```

### TYPO3 >= 6.2:

```
<f:link.action arguments="{blog: blog}"
    format="txt">[plaintext]</f:link.action></li>
```

# Extbase i Fluid

---

## Object Type Converter (1)

- Mapira izvore nizova na neperzistentne objekte
- Koristan kada Vam treba prelazni objekat iz argumenata
- Primeri su na sledecim slajdovima...

# Extbase i Fluid

---

## Object Type Converter (2)

### GET request

```
http://example.com/index.php?id=299
&tx_myextension[action]=list
&tx_myextension[controller]=Entity
&tx_myextension[demand][title]=foo
&tx_myextension[demand][relation]=1
```

### Entity controller: initializeListAction()

```
use [Vendor]\myextension\Domain\Dto\Demand;
public function initializeListAction() {
    /**
     * @var PropertyMappingConfiguration $demandConfiguration
     */
    $demandConfiguration = $this->arguments['demand']->getPropertyMappingConfiguration();
    $demandConfiguration->allowAllProperties()->forProperty('relation')->allowAllProperties()->
        setTypeConverterOption(
            'TYPO3\CMS\Extbase\Property\TypeConverter\PersistentObjectConverter',
            PersistentObjectConverter::CONFIGURATION_CREATION_ALLOWED,
            TRUE
        );
}
```

# Extbase i Fluid

---

## Object Type Converter (3)

### Entity controller: listAction()

```
use [Vendor]\myextension\Domain\Dto\Demand;
/**
 * @var PropertyMappingConfiguration $demandConfiguration
 */
public function listAction(Demand $demand = NULL) {
    $entities = $this->entityRepository->findAll();
    $this->view->assign('entities', $entities);
}
```

### Model: [Vendor]\myextension\Domain\Dto\Demand.php

```
namespace [Vendor]\myextension\Domain\Dto;
use [Vendor]\myextension\Domain\Model\Relation;
class Demand {
    protected $relation;
    /**
     * @param \TYPO3Friends\MapperExample\Domain\Model\Relation $relation
     */
    public function setRelation($relation) {
        $this->relation = $relation;
    }
}
```

# Extbase i Fluid

---

## Izmene na set\* funkcijama

- set\* metode mogu biti uvezane sa QuerySettings API-jem
- I Uključuje nove opcije koje su prvi put uvedene sa TYPO3 CMS 6.0:  
setIncludeDeleted i setIgnoreEnableFields

```
$query->getQuerySettings()  
    ->setRespectStoragePage(FALSE)  
    ->setRespectSysLanguage(FALSE)  
    ->setIgnoreEnableFields(TRUE)  
    ->setIncludeDeleted(TRUE);
```

# Extbase i Fluid

---

## returnRawQueryResult kao argument

- Raw query result vise nije centralni metod, vec argument u metodu: execute()

**TYPO3 < 6.2:**

```
$query->getQuerySettings()->setReturnRawQueryResult(TRUE);
```

**TYPO3 >= 6.2:**

```
$query->execute(TRUE);
```

# Extbase i Fluid

---

## Rekurzivna validacija

- Extbase sada koristi rekurzivnu validaciju (poznatu iz TYPO3 Flow)
- Ovo znači da kada preko Property-Mapper-a napravite ugnezdene objekte, objekti u osobinama , kao i spoljni objekti se validiraju (u TYPO3 CMS < 6.2, samo se spoljni objekti validiraju)
- Dodatno, validatori sada dozvoljavaju prazne vrednosti

**THIS IS A BREAKING CHANGE!**

Da biste napravili neophodnu osobinu, morate da dodate eksplisitno **NotEmptyValidator!**

# Extbase i Fluid

---

## Kontekst aplikacije

- Pristup trenutnom kontekstu aplikacije u Extbase-u  
(postavljena kao promenjiva okruzenja TYPO3\_CONTEXT ili u Install Tool-u)

```
\TYPO3\CMS\Core\Core\Bootstrap::getInstance()->getContext();  
\TYPO3\CMS\Core\Utility\GeneralUtility::getContext();
```

# Extbase i Fluid

---

## ViewHelper: image

- Fluid ViewHelper **image** sa opcionim title atributom

### Primer:

```
<f:image src="background.jpg" alt="Text" />
```

### TYPO3 < 6.2:

```

```

### TYPO3 >= 6.2:

```

```

# Extbase i Fluid

---

## ViewHelpers: textfield i textarea

- Argumenti autofocus i placeholder (validni HTML5 argumenti) za Fluid ViewHelper-e **form.textarea** i **form.textfield**

Primer ("placeholder"):

```
<f:form.textfield  
    id="powermail_field_{field.marker}"  
    ...  
    placeholder="{field.title -> vh:string.RawAndRemoveXss()}"  
    ...  
    name="field[{field.uid}]"  
    required="{field.mandatory}" />
```

# Extbase i Fluid

---

## ViewHelper: switch

- Novi Fluid ViewHelper **switch** rendera sadrzaj u zavisnosti od zadate vrednosti ili izraza
- Ponasa se slicno kao switch() u PHP-u

```
<f:switch expression="{person.gender}">
    <f:case value="male">Mr.</f:case>
    <f:case value="female">Mrs.</f:case>
    <f:case default="TRUE">Mrs. or Mr.</f:case>
</f:switch>
```

- **Napomena:** prevelika upotreba ovog ViewHelper-a je indikator loseg dizajna. Primer od gore moze da se napise i sa parsalima "title.male.html" i "title.female.html" na ovaj nacin:

```
<f:render partial="title.{person.gender}" />
```

# Extbase i Fluid

---

## ViewHelper: fileSize

- Konvertuje velicinu fajla (integer) u ljudima citljiv string

**Primer 1** (fileSize = 1263616):

```
fileSize -> f:format.bytes()
```

Ispis: "1234 KB"

**Primer 2** (fileSize = 1263616):

```
fileSize -> f:format.bytes(  
    decimals: 2,  
    decimalSeparator: '.',  
    thousandsSeparator: ',',  
)
```

Ispis: "1,234.00 KB"

# Extbase i Fluid

---

## ViewHelper: format.date

- Podrazumevana vrednost ViewHelper-a **format.date** je vrednost koja je konfigurisana u Install Tool-u

```
$GLOBALS['TYPO3_CONF_VARS']['SYS']['ddmmyy']
```

- Ako vrednost nije konfigurisana, "Y-m-d" se koristi (godina, mesec, dan)

# Extbase i Fluid

---

## ViewHelper: Backend Container

- Fluid ViewHelper backend container (be.container) je preradjen:  
typo3/sysext/fluid/Classes/ViewHelpers/Be/ContainerViewHelper.php

### Zastarelo:

- \$addCssFile (use \$includeCssFiles instead)
- \$addJsFile (use \$includeJsFiles instead)

### Novo:

- \$loadJQuery
- \$includeCssFiles
- \$includeJsFiles
- \$addJsInlineLabels

# Extbase i Fluid

---

## ViewHelper: button.icon

- Fluid ViewHelper **button.icon** je zavrsen (bio je "experimental")
- Kreira ikonicu dugmeta (opciono sa linkom)

```
<f:be.buttons.icon uri="{f:uri.action(action:'new')}"  
    icon="actions-document-new" title="Create new Foo" />
```

```
<f:be.buttons.icon  
    icon="actions-document-new" title="Create new Foo" />
```

- Atribut icon prihvata vise od 310 vrednosti!

Trazite:

```
$GLOBALS['TBE_STYLES']['spriteIconApi']['coreSpriteImageNames']
```

...u fajlu:

```
typo3/sysext/core/ext_tables.php
```

# Extbase i Fluid

---

## Opcija addQueryStringMethod

- Opcija addQueryString podrzava samo **GET**-argumente (koji se onda dodaju u generisani link)
- Ova opcija ne radi sa **POST**-argumentima (iz Widget-a)
- Nova opcija addQueryStringMethod resava ovaj problem i dozvoljava da se definise koji metodi se uzimaju u obzir: GET (podrazumevan), POST, GET/POST ili POST/GET
- Ovi Fluid ViewHelper-i podrzava ovu novu opciju:
  - link.action
  - link.page
  - uri.action
  - uri.page
  - widget.link
  - widget.uri
  - widget.paginate

# Extbase i Fluid

---

## Fluid: Rezervna putanja za sablone

- Fluid sada podrzava "rezervne" putanje za sablone, parsale i lejaute::  
templateRootPaths, partialRootPaths, layoutRootPaths
- Krece se od najveceg indeksa, pa se zatim prolazi kroz sve manje indekse dok se ne nadje sablon

```
plugin.tx_myextension {  
    view {  
        templateRootPath = EXT:myextension/Resources/Private/Templates/  
    }  
}  
  
plugin.tx_myextension {  
    view {  
        templateRootPath >  
        templateRootPaths {  
            10 = fileadmin/myextension/Templates/  
            20 = EXT:myextension/Resources/Private/Templates/  
        }  
    }  
}
```

## Poglavlje 9:

# Unapredjenje na Typo3 CMS 6.2 LTS

# Unapredjenje na TYPO3 CMS 6.2 LTS

---

## Opste instrukcije za unapredjivanje

- Instrukcije za unapredjivanje:

[http://wiki.typo3.org/Upgrade#Upgrading\\_to\\_6.2](http://wiki.typo3.org/Upgrade#Upgrading_to_6.2)

- Zvanicno TYPO3 uputstvo "TYPO3 Instalacija i unapredjivanje":

<http://docs.typo3.org/typo3cms/InstallationGuide>

- Opsti pristup:

- Proverite da li vas sistem zadovoljava sistemske zahteve (PHP, MySQL, itd.)
- Koristite **deprecation\_\*.log** u staroj TYPO3 verziji
- Azurirajte sva prosirenja na najnovije verzije  
(proveriti TYPO3 6.2 kompatabilnost)
- Pogledajte poglavlje "Instalacioni alat", slajdovi "Instalacija" u ovoj prezentaciji

# Unapredjenje na TYPO3 CMS 6.2 LTS

---

## Unapredjenje sa TYPO3 CMS 4.5 LTS

- Mnogi TYPO3 sajтови ће прелазити са LTS на нову LTS verziju
- Пројекат глатке миграције:
  - Циљ је да миграција са verzije 4.5 на 6.2 буде сто лакша
  - Документација, идентификација проблема у проширењима, итд.
  - <http://forge.typo3.org/projects/typo3cms-smoothmigration>
- EXT:typo3-upgradereport:
  - Развијен највише од стране Стфана Ритера
  - Инсталирајте у TYPO3 CMS 4.5 LTS verziji и покрените тестове
  - Учествуйте у развоју
  - <https://github.com/nxpxhx/typo3-upgradereport>

# Unapredjenje na TYPO3 CMS 6.2 LTS

---

## Sta je novo za uredjivace

- Sumira glavne promene izmedju TYPO3 CMS 4.5 and 6.2
- Ciljna publika: najvise uredjivaci (ne tehnicki ili manje tehnicki korisnici)
- Takodje ima za cilj da pruzi pomoc agencijama:
  - u pripremama za odgovaranje na zahteve za podrsku
  - sprovodjenju radionica, seminara, treninga, itd.
- Preuzmite dokument "**Sta je novo za uredjivace**":  
<http://typo3.org/download/release-notes/whats-new>

## Poglavlje 10:

# TYPO3 CMS 6.2 LTS – MythBuster

## Mitovi o TYPO3 CMS 6.2

- TYPO3 CMS 6.2 LTS ce biti poslednja TYPO3 CMS verzija

→**nije tacno!**

Istina je, uprkos izbacivanju [TYPO3 Neos](#), razvoj TYPO3 CMS ce se nastaviti i videcemo nova izdanja u buducnosti.

- The TYPO3 core je potpuno prerađenu 6.x

→**nije tacno!**

Istina je, da smo predstavili koncept PHP namespaces sa TYPO3 CMS 6.0, koji rezultira novim nazivima klasa. Međutim, kompatibilni lejerosigurava, da programeri i dalje mogu da koristeneazine starih klasa u njihovim prosirenjima.

- Prosirenja razvijena za 4.5 nece raditi na 6.2

→**nije tacno!**

Istina je, da se core API-ja nije promenilo potpuno i karakterise ga kompatibilnost unazad, ako je u skladu sa nasom [deprecation strategy](#). Core TYPO3 CMS 6.2 i dalje podrzava najveci broj prosirenja koja su pisana za 4.5 bez ili sa malo modifikacija.

# MythBuster

---

## Mitovi o TYPO3 CMS 6.2

- TemplaVoila se ne moze korisiti u TYPO3 6.2 vise →**nije tacno!**

Istina je, zajednica radi na kompatibilnoj verziji, koja ce vam omoguciti da koristite TemplaVoila u TYPO3 CMS 6.2. Medjutim, TemplaVoila se nece dalje razvijati i integratori se ohrabruju da istrazuju alternative za buduce projekte.
- tslib\_pibase-prosirenja ne rade →**nije tacno!**

Istina je, klasa tslib\_pibase i dalje postoji u 6.2, ali ima novo ime zbog namespace konvencije: \TYPO3\CMS\Frontend\Plugin\AbstractPlugin.  
Alias klase osigurava, da staro ime i dalje radi (kompatibilni sloj).
- Nema nacina za migraciju DAM records na 6.2 sa FAL →**nije tacno!**

Cinjenica je, da DAM ne radi sa TYPO3 6.x. Medjutim, FAL je trebalo da obezbedi API koji omogucava da se ponovo kreira sve sto je bilo moguce sa DAM. Takodje je omogucena [DAM-to-FAL-migration extension](#).

# MythBuster

---

## Mitovi o TYPO3 CMS 6.2

- Mozete unaprediti 4.5 na 6.2 koristeci upgrade wizard

→nije tacno!

Glasine kazu, da projekat "Glatka Migracija" obezbedjuje veliki upgrade wizard koji automatski unapredjuje TYPO3 4.5 u 6.2. Istina je, da je cilj projekta da obezbedi informacije, dokumentaciju, otkrije nekompatibilnosti, npr. da pruzi podršku integratorima u procesu migracije.

- TYPO3 6.2 zahteva mnogo jaci hardver

→nije tacno!

Glasine kazu, daje verzija 6.2 10 puta sporija od verzije 4.5. Istina je, da je u vecini slucajevabrzina izvrsavanja sличna prethodnim verzijama. [minimum requirements](#) za pokretanje TYPO3 se nisu promenili. Medutim, zbog prirode arhitekturalnih promenai novih modernih tehnologija, sistem administratoribi trebalo da imaju u vidu unapredjenje hardvera (imajte na umu: TYPO3 4.5 je pusten u Januaru 2011, skoro pre 3 godine)

# Poglavlje 11:

## Izvori i autori

# Izvori i autori

---

## Izvori (1)

### TYPO3 vesti:

- <http://typo3.org/news>

### Beleske povodom izlaska nove verzije:

- [http://wiki.typo3.org/TYPO3\\_6.2](http://wiki.typo3.org/TYPO3_6.2)
- <http://typo3.org/download/release-notes/typo3-6-2-release-notes/>
- NEWS.txt and ChangeLog

### TYPO3 Git repozitorijumi:

- <https://git.typo3.org/TYPO3v4/Core.git>
- <https://git.typo3.org/TYPO3v4/CoreProjects/MVC/extbase.git>
- <https://git.typo3.org/TYPO3v4/CoreProjects/MVC/fluid.git>

# Izvori i autori

---

## Izvori (2)

### TYPO3 Bug-/Issuetracker:

- <http://forge.typo3.org/projects/typo3v4-core/issues>

### Ostali izvori:

- Responsive Image Community Group  
<http://responsiveimages.org>
- Package Manager (Blueprint)  
<http://wiki.typo3.org/Blueprints/Packagemanager>
- Normalize.css  
<http://necolas.github.io/normalize.css/>
- PHP Logging standard PSR-3  
<http://www.php-fig.org/psr/psr-3/>
- "LTS Smooth Migration" project  
<http://forge.typo3.org/projects/typo3cms-smoothmigration>
- TYPO3 CMS 4.5 to 6.2 upgrade report  
<https://github.com/nxpxhx/typo3-upgradereport>

# Izvori i autori

---

## **TYPO3 CMS What's New Slides:**

Patrick Lobacher (Istrazivanje i skupljanje informacija)

Michael Schams (Engleska verzija i Project Leader)

## **Preveli:**

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Dark Forest Web

<http://typo3.org/download/release-notes/whats-new>

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