Customize the Control Panel for an optimal Author Experience

2024-06-13 · Moritz L'Hoest

schwarzdesign
digitale kommunikation

Custom Dashboard Widgets

MK

Dashboard

Entries

Assets

Dashboard

Welcome Message

In the beginning the Universe was created. This has made a lot of people very angry and been widely regarded as a bad move. Isn't it enough to see that a garden is beautiful without having to believe that there are fairies at the bottom of it too? In the beginning the Universe was created. This has made a lot of people very angry and been widely regarded as a bad move.

Arthur suggested they go for a walk. Anything that, in happening, causes something else to happen, causes something else to happen. "Some factual information for you. Have you any idea how much damage that bulldozer would suffer if I just let it roll straight over you?"

I don't want to buy a ticket, I just want to buy the zoo. I am omniscient and omnipotent, extremely vain and, what is more, I come in a handy self-carrying package. Let's be straight here. If we find something we can't understand we like to call it something you can't understand, or indeed pronounce.

"Forty-two," said Deep Thought, with infinite majesty and calm. Life was so pleasant and relaxed these days, there was time to let things sink in. He was a little man in a strange hat and he sold them a ticket. So we'll have to tell you something you already know but make it sound like news, eh?

Any such things that came his way were referred to others, who had, in turn, other people to refer such things to. Laser light flickered all over him as if he were a packet of biscuits at a supermarket check-out. Arthur Dent was grappling with his consciousness the way one grapples with a lost bar of soap in the bath.

Placeholder text generated by dontpanicipsum.moritzlost.de

Submit News

Have a suggestion for our news blog? Submit it here and we'll take a look!

Link / URL

Message

✉ Suggest news

Shortcuts

+ Add institution

+ Add offer type one

+ Add offer type two

+ Add offer type three

+ Add offer type four

Links

View my entries
Edit my account
Support inquiry
Go back to the homepage

My Drafts

📄 My first draft

📄 My second draft

My Submissions

● Submission for "My first draft" on 9/28/2023, 3:41PM
3:41PM

Craft CMS PRO 4.5.5

```php
<?php

namespace modules\Workflow\widgets;

use Craft;
use craft\base\Widget;
use craft\elements\Entry;

class AdminNotes extends Widget
{
    public static function displayName(): string
    {
        return Craft::t('custom_workflows', 'widget_admin_notes_name');
    }

    public function getBodyHtml(): ?string
    {
        $workflowsSettings = Entry::find()->section('workflows')->one();
        $adminNotes = $workflowsSettings->body ?? null;
        if (!$adminNotes) {
            return Craft::t('custom_workflows', 'widget_admin_notes_no_content');
        }
        return $adminNotes;
    }
}
```

Dashboard
Entries
Assets

Dashboard

Welcome Message

In the beginning the Universe was created. This has made a lot of people very angry and been widely regarded as a bad move. Isn't it enough to see that a garden is beautiful without having to believe that there are fairies at the bottom of it too? In the beginning the Universe was created. This has made a lot of people very angry and been widely regarded as a bad move.

Arthur suggested they go for a walk. Anything that, in happening, causes something else to happen, causes something else to happen. "Some factual information for you. Have you any idea how much damage that bulldozer would suffer if I just let it roll straight over you?"

I don't want to buy a ticket, I just want to buy the zoo. I am omniscient and omnipotent, extremely vain and, what is more, I come in a handy self-carrying package. Let's be straight here. If we find something we can't understand we like to call it something you can't understand, or indeed pronounce.

"Forty-two," said Deep Thought, with infinite majesty and calm. Life was so pleasant and relaxed these days, there was time to let things sink in. He was a little man in a strange hat and he sold them a ticket. So we'll have to tell you something you already know but make it sound like news, eh?

Any such things that came his way were referred to others, who had, in turn, other people to refer such things to. Laser light flickered all over him as if he were a packet of biscuits at a supermarket check-out. Arthur Dent was grappling with his consciousness the way one grapples with a lost bar of soap in the bath.

Placeholder text generated by dontpanicipsum.moritzlost.de

Submit News

Have a suggestion for our news blog? Submit it here and we'll take a look!

Link / URL

Message

✉ Suggest news

Shortcuts

+ Add institution

+ Add offer type one

+ Add offer type two

+ Add offer type three

+ Add offer type four

Links

View my entries
Edit my account
Support inquiry
Go back to the homepage

My Drafts

📄 My first draft

📄 My second draft

My Submissions

● Submission for "My first draft" on 9/28/2023, 3:41PM
3:41PM

```php
use Craft;
use verbb\workflow\elements\Submission;
use verbb\workflow\widgets\Submissions;

class OwnSubmissions extends Submissions
{
    public static function displayName(): string
    {
        return Craft::t('custom_workflows', 'widget_own_submissions_name');
    }

    public function getBodyHtml(): ?string
    {
        $user = Craft::$app->user?->getIdentity();
        if (!$user) {
            return '';
        }
        $submissions = Submission::find()
            ->status($this->status)
            ->limit($this->limit)
            ->editorId($user->id)
            ->all();

        return Craft::$app->getView()->renderTemplate('workflow/_widget/body', [
            'submissions' => $submissions,
        ]);
    }
}
```

Begabungslotse

- Dashboard
- Entries
- Assets

Dashboard

Welcome Message

In the beginning the Universe was created. This has made a lot of people very angry and been widely regarded as a bad move. Isn't it enough to see that a garden is beautiful without having to believe that there are fairies at the bottom of it too? In the beginning the Universe was created. This has made a lot of people very angry and been widely regarded as a bad move.

Arthur suggested they go for a walk. Anything that, in happening, causes something else to happen, causes something else to happen. "Some factual information for you. Have you any idea how much damage that bulldozer would suffer if I just let it roll straight over you?"

I don't want to buy a ticket, I just want to buy the zoo. I am omniscient and omnipotent, extremely vain and, what is more, I come in a handy self-carrying package. Let's be straight here. If we find something we can't understand we like to call it something you can't understand, or indeed pronounce.

"Forty-two," said Deep Thought, with infinite majesty and calm. Life was so pleasant and relaxed these days, there was time to let things sink in. He was a little man in a strange hat and he sold them a ticket. So we'll have to tell you something you already know but make it sound like news, eh?

Any such things that came his way were referred to others, who had, in turn, other people to refer such things to. Laser light flickered all over him as if he were a packet of biscuits at a supermarket check-out. Arthur Dent was grappling with his consciousness the way one grapples with a lost bar of soap in the bath.

Placeholder text generated by dontpanicipsum.moritzlost.de

Submit News

Have a suggestion for our news blog? Submit it here and we'll take a look!

Link / URL

Message

✉ Suggest news

Shortcuts

+ Add institution
+ Add offer type one
+ Add offer type two
+ Add offer type three
+ Add offer type four

Links

View my entries
Edit my account
Support inquiry
Go back to the homepage

My Drafts

My first draft
My second draft

My Submissions

Submission for "My first draft" on 9/28/2023, 3:41PM
3:41PM

```twig
<ul>
    <li><a href="{{ cpUrl('entries') }}">
        {{ 'widget_quick_links_link_entries'|t('custom_workflows') }}
    </a></li>

    <li><a href="{{ cpUrl('myaccount') }}">
        {{ 'widget_quick_links_link_profile'|t('custom_workflows') }}
    </a></li>

    {% if contactEntry %}
        <li><a href="{{ contactEntry.getUrl() }}">
            {{ 'widget_quick_links_link_contact'|t('custom_workflows') }}
        </a></li>
    {% endif %}

    <li><a href="{{ siteUrl() }}">
        {{ 'widget_quick_links_link_home'|t('custom_workflows') }}
    </a></li>
</ul>
```

Dashboard

Entries

Assets

Dashboard

Welcome Message

In the beginning the Universe was created. This has made a lot of people very angry and been widely regarded as a bad move. Isn't it enough to see that a garden is beautiful without having to believe that there are fairies at the bottom of it too? In the beginning the Universe was created. This has made a lot of people very angry and been widely regarded as a bad move.

Arthur suggested they go for a walk. Anything that, in happening, causes something else to happen, causes something else to happen. "Some factual information for you. Have you any idea how much damage that bulldozer would suffer if I just let it roll straight over you?"

I don't want to buy a ticket, I just want to buy the zoo. I am omniscient and omnipotent, extremely vain and, what is more, I come in a handy self-carrying package. Let's be straight here. If we find something we can't understand we like to call it something you can't understand, or indeed pronounce.

"Forty-two," said Deep Thought, with infinite majesty and calm. Life was so pleasant and relaxed these days, there was time to let things sink in. He was a little man in a strange hat and he sold them a ticket. So we'll have to tell you something you already know but make it sound like news, eh?

Any such things that came his way were referred to others, who had, in turn, other people to refer such things to. Laser light flickered all over him as if he were a packet of biscuits at a supermarket check-out. Arthur Dent was grappling with his consciousness the way one grapples with a lost bar of soap in the bath.

Placeholder text generated by dontpanicipsum.moritzlost.de

Submit News

Have a suggestion for our news blog? Submit it here and we'll take a look!

Link / URL

Message

✉ Suggest news

Shortcuts

+ Add institution

+ Add offer type one

+ Add offer type two

+ Add offer type three

+ Add offer type four

Links

View my entries
Edit my account
Support inquiry
Go back to the homepage

My Drafts

📄 My first draft
📄 My second draft

My Submissions

● Submission for "My first draft" on 9/28/2023, 3:41PM
3:41PM

Enforcing a Default Dashboard

Craft 4 Plugin Store

Search plugins

- Discover
- SEO & Accessibility
- Localization
- Ecommerce
- Forms
- Fields
- Development
- Security
- Templating
- Performance
- Control Panel
- Widgets
- Assets
- Utilities
- Mailer Adapters
- Social Networking
- Integrations

Default Dashboard
Verbb

Overview   Changelog

Setup default widgets for each of your users. Rather than setting up widgets for each user manually, or instructing your client - have them populated automatically.

This is achieved by setting the base user account from which to copy dashboard widgets from. Each time your users log into the control panel, Default Dashboard will populate their dashboard widgets. Default Dashboard is also smart enough to know when your widgets have changed, and to not update other users unless they have. This saves needless database updating.

Importantly, you can allow your users to modify their widgets by turning off the `Override` function. With this turned on, all users' widgets will be replaced when thet login, so any of their widgets will be lost. Turning this off still provides users with your initial default widgets, but they're free to alter them to their needs.

📖 Documentation ⧉

 Repository ⧉

Installation Instructions

Shell DDEV

```
composer require "verbb/defau
```

To install this plugin, copy the command above to your terminal.

Active Installs

6,075

```php
/**
 * User::EVENT_AFTER_LOGIN
 */
public function ensureDefaultDashboardWidgets(User $user): void
{
    $existingWidgets = Craft::$app→dashboard→getAllWidgets();
    foreach ($existingWidgets as $widget) {
        Craft::$app→dashboard→deleteWidget($widget);
    }

    $defaultWidgets = [
        Craft::$app→dashboard→createWidget([
            'type' ⇒ 'modules\\Workflow\\widgets\\AdminNotes',
            'colspan' ⇒ 2,
        ]),
        Craft::$app→dashboard→createWidget(
            'modules\\Workflow\\widgets\\Shortcuts'
        ),
        Craft::$app→dashboard→createWidget(
            'modules\\Workflow\\widgets\\QuickLinks'
        ),
        // More widgets …
    ];

    foreach ($defaultWidgets as $widget) {
        Craft::$app→dashboard→saveWidget($widget);
    }
}
```

Customizing the Editorial Workflow

ML

Custom diff view (changed)

Entwurf 1 ⌄ ✏️

👁 Vorschau | ➤ Ansicht | **Entwurf anwenden** | **Entwurf speichern** ⌄

Inhalt | SEO | Intern | **Änderungen vergleichen**

Titel

| Custom diff view | Custom diff view **(changed)** |

Beschreibungstext

| `<ul><li>`Any such things that came his way were referred to others, who had, in turn, other people to refer such things to.`</li><li>`**He had kept it ever since because he found it useful** to **carry a form** of **currency that no one would accept**.`</li><li>`The ground was hanging menacingly above his head.`</li></ul>` | `<ul><li>`Any such things that came his way were referred to others, who had, in turn, other people to refer such things to.`</li><li>`**It can be very dangerous** to **see things from somebody else's point** of **view without the proper training**.`</li><li>`The ground was hanging menacingly above his head.`</li></ul>` |

Unterzeile / Einleitungstext

| **The Sandwich Maker** almost sliced his thumb off. | **Arthur Dent** almost sliced his thumb off. |

Tags

| Don't (1201111) | |
| Panic (1201112) | Panic (1201112) |

Bild

| **Daniel leone 197357** unsplash (**1200888**) | **Etienne delorieux 267370** unsplash (**1200892**) |

Weiterführende Links

| https://dontpanicipsum.moritzlost.de/ | Dummy text generated with Don't Panic Ipsum | https://dontpanicipsum.moritzlost.de/ | Dummy text generated with Don't Panic Ipsum **by Moritz L'Hoest** |

Standort

Händelstraße **26**	Händelstraße **25**
50674 Köln	50674 Köln
NRW	NRW
Deutschland	Deutschland
50.**9350682**	6.**9368545**	15	50.**9346217**	6.**9361193**	15

Anbieterart

Schule (136)	Schule (136)
Beratungsstelle (137)	Beratungsstelle (137)
Hochschule (962924)	

Slug — custom-diff-view

Autor — ML ● Moritz L'Hoest ✕

Eintragsdatum — 22.09.2023 — 17:06 ✕

Ablaufdatum — 📅 — 🕐

STATUS

Aktiviert ⬤

NOTIZEN ZU DIESER VERSION

ID — 1201123

Status — ● Aktiv

Erstellt am — 22.09.2023, 17:06

Aktualisiert — 22.09.2023, 17:07
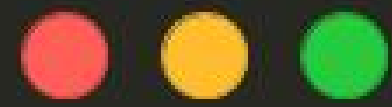
```
❯ cd modules/RevisionDiff
❯ tree .

.
├── RevisionDiffModule.php
├── fieldlayoutelements
│   └── RevisionDiff.php
├── services
│   ├── ComparisonService.php
│   └── DiffService.php
└── templates
    └── changes-tab.twig
```

```php
/**
 * Normalize the given value to a string representation.
 */
public function normalizeValue(mixed $value): string
{
    if (is_array($value)) {
        $value = implode(PHP_EOL, array_map($this→normalizeValue( ... ), $value));
    }
    if (is_bool($value)) {
        $value = Craft::t('app', $value ? 'Yes' : 'No');
    }
    if ($value instanceof DateTime) {
        $value = Craft::$app→getFormatter()→asDatetime($value, 'medium');
    }
    if ($value instanceof MultiOptionsFieldData) {
        $value = $this→normalizeValue(ArrayHelper::getColumn($value, 'label'));
    }
    if ($value instanceof SingleOptionFieldData) {
        $value = $value→label;
    }
    if ($value instanceof Address) {
        $value = $this→normalizeAddress($value);
    }
    if ($value instanceof ElementQuery) {
        $value = $this→normalizeValue($value→all());
    }
    if ($value instanceof SuperTableBlockElement) {
        $value = $this→normalizeSuperTableBlock($value);
    }
    if ($value instanceof User) {
        $value = "{$value→fullName} ({$value→id})";
    }
    if ($value instanceof Element) {
        $value = $value→hasTitles()
            ? "{$value→title} ({$value→id})"
            : $value→id;
    }
    return (string) $value;
}
```

```php
public function getAttributeChanges(Element $element): array
{
    $new = $element;
    $old = $element→getCanonical();

    $modifiedAttributes = $new→getModifiedAttributes();
    $changes = [];
    foreach ($modifiedAttributes as $attribute) {
        $oldValue = $old→{$attribute};
        $newValue = $new→{$attribute};
        $changes[$attribute] = [
            'label' ⇒ Craft::t('app', $new→getAttributeLabel($attribute)),
            'diff' ⇒ $this→diffValues(
                $this→prepareAttributeForComparison($attribute, $oldValue),
                $this→prepareAttributeForComparison($attribute, $newValue),
            ),
        ];
    }
    return $changes;
}
```

```php
class RevisionDiff extends BaseUiElement
{
    public function formHtml(
        ?ElementInterface $element = null,
        bool $static = false,
    ): ?string {
        /** @var View $view */
        $view = Craft::$app->view;

        /** @var RevisionDiffModule $module */
        $module = RevisionDiffModule::getInstance();

        if (!$element) {
            return null;
        }
        if (!$element->getIsDraft() || !$element->getIsDerivative()) {
            $noChangesText = Craft::t('app', 'No changes to display');
            return "<p>{$noChangesText}</p>";
        }

        $changes = $module->comparison->getRevisionChanges($element);

        $view->registerCss($module->diff->getDiffCss(), [], 'revision-diff-styles');
        return $view->renderTemplate('_revision-diff/changes-tab', [
            'changes' => $changes,
        ]);
    }
}
```

```php
/*
 * FieldLayout::EVENT_CREATE_FORM
 */
public function addRevisionDiffTabToEntryForms(CreateFieldLayoutFormEvent $e)
{
    $element = $e->element;
    if (!$element instanceof Entry) {
        return;
    }
    if (!$element->getIsDraft()) {
        return;
    }

    $e->tabs[] = new FieldLayoutTab([
        'name' => Craft::t('app', 'Compare changes'),
        'layout' => $e->sender,
        'elements' => [
            new RevisionDiff(),
        ],
    ]);
}
```

ML

Custom diff view (changed)

Entwurf 1 ∨ | ✎

👁 Vorschau | ➦ Ansicht | **Entwurf anwenden** | **Entwurf speichern** ∨

Inhalt | SEO | Intern | **Änderungen vergleichen**

Titel

| Custom diff view | Custom diff view **(changed)** |

Beschreibungstext

| `<ul><li>`Any such things that came his way were referred to others, who had, in turn, other people to refer such things to.`</li><li>`**He had kept it ever since because he found it useful** to **carry a form** of **currency that no one would accept**.`</li>`<li>The ground was hanging menacingly above his head.`</li></ul>` | `<ul><li>`Any such things that came his way were referred to others, who had, in turn, other people to refer such things to.`</li><li>`**It can be very dangerous** to **see things from somebody else's point** of **view without the proper training**.`</li><li>`The ground was hanging menacingly above his head.`</li></ul>` |

Unterzeile / Einleitungstext

| **The Sandwich Maker** almost sliced his thumb off. | **Arthur Dent** almost sliced his thumb off. |

Tags

| Don't (1201111) | |
| Panic (1201112) | Panic (1201112) |

Bild

| **Daniel leone 197357** unsplash (**1200888**) | **Etienne delorieux 267370** unsplash (**1200892**) |

Weiterführende Links

| https://dontpanicipsum.moritzlost.de/ | Dummy text generated with Don't Panic Ipsum | https://dontpanicipsum.moritzlost.de/ | Dummy text generated with Don't Panic Ipsum **by Moritz L'Hoest** |

Standort

| Händelstraße **26**
50674 Köln
NRW
Deutschland
50.**9350682** | 6.**9368545** | 15 | Händelstraße **25**
50674 Köln
NRW
Deutschland
50.**9346217** | 6.**9361193** | 15 |

Anbieterart

| Schule (136)
Beratungsstelle (137)
Hochschule (962924) | Schule (136)
Beratungsstelle (137) |

Slug — custom-diff-view

Autor — ML ● Moritz L'Hoest ✖

Eintragsdatum — 22.09.2023 — 17:06 ✖

Ablaufdatum — 📅 — 🕐

STATUS

Aktiviert — ⬤

NOTIZEN ZU DIESER VERSION

ID — 1201123

Status — ● Aktiv

Erstellt am — 22.09.2023, 17:06

Aktualisiert — 22.09.2023, 17:07

Thank you!

- **Slides and code examples**
  https://github.com/MoritzLost/2024-craft-author-experience

- **Work**
  schwarzdesign.de

- **Contact**
  m@moritz.contact