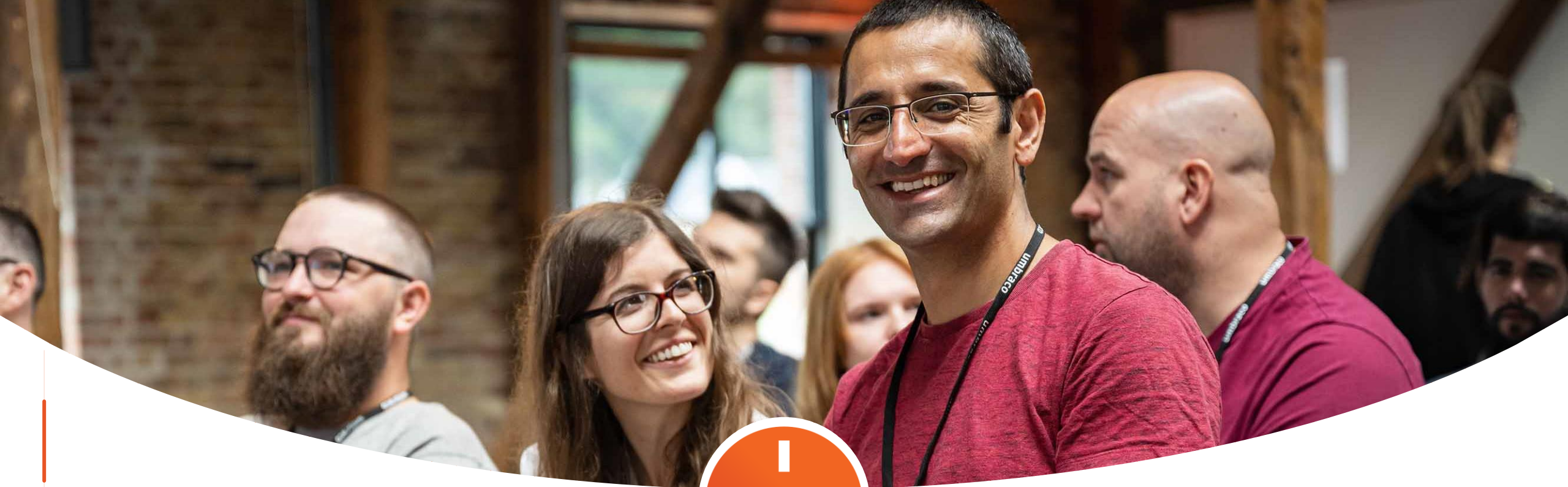




WELCOM

code



Umbraco 16

Segments, Tiptap, Property Level Permissions





Markus Johansson

Utvecklare/Partner @ Obviuse

Umbraco MVP

Fler olika paket

Umbraco sedan 2008

Umbraco 16 - Whats new?

- Segments
- TipTap | ~~TinyMCE~~
- Property Level Permissions
- Webhooks Payloads

Segments

Serve content based on visitor segment

What is segments?

- Variants
- Culture Variants
 - English
 - Swedish
- Segment Variants
 - Anonymous / Logged in
 - Visitor / Prospect / Customer



Products ▾

Customers ▾

Pricing

Resources ▾

Company ▾



Book a discovery call



Umbraco Engage

Learn - Adapt - Convert

Optimize user engagement and drive conversions with features like server-side analytics, A/B testing, profiling, and personalization. Umbraco Engage gives you actionable insights, all you need to adapt your content in real-time, and deliver optimized content and tailored digital experiences.

[Book discovery call](#)[Get in touch](#)

DIY Segments

A thin, white vertical line is positioned on the left side of the slide, extending from the middle of the 'DIY Segments' text down towards the bottom of the frame.

```
public class SegmentService : ISegmentService
{
    private readonly Segment[] _segments = [
        new Segment { Alias = "customer", Name = "Customer" },
        new Segment { Alias = "prospect", Name = "Prospect" }
    ];

    public async Task<Attempt<PagedModel<Segment>?, SegmentOperationStatus>>
    GetPagedSegmentsAsync(int skip = 0, int take = 100)
    {
        return Attempt.SucceedWithStatus<PagedModel<Segment>?, SegmentOperationStatus>
        (
            SegmentOperationStatus.Success,
            new PagedModel<Segment> {
                Total = _segments.Length,
                Items = _segments.Skip(skip).Take(take)
            }
        );
    }
}
```

```
public class SegmentComposer : IComposer
{
    public void Compose(IUmbracoBuilder builder)
    {
        // Register our segment service
        builder.Services.AddUnique<ISegmentService, SegmentService>();

        // Enable segment
        builder.Services.Configure<SegmentSettings>(settings => settings.Enabled = true);
    }
}
```


Content
Media
Settings
Packages
Users
Members
Translation







Article


cmsArticle

Enter a description...


Design


Structure


Settings


Templates

Actions >

Structure

Document Types

Compositions

Article

Homepage

Media Types

Member Types

Data Types

Languages

Document Blueprints

Templating

Templates

Data variations

Allow vary by culture

Allow editors to create content of different languages.

☐
Vary by culture

Allow segmentation

Allow editors to create segments of this content.

☒
Vary by segment

Is an Element Type

An Element Type is meant to be used within other Document Types, and not in the Content tree.

☐
Element Type

Article

cmsA

Enter a description...

Content

+ Add tab

Headline

headline

Enter a description...

Textstring

Shared across segments

Body Text

bodyText

Enter a description...

Richtext editor

Shared across segments

Add property

Add group

Headline

headline

Enter a description...

Textstring

Umb.PropertyEditorUi.TextBox

Validation

Field is mandatory

Custom validation

No validation

Variation

Shared across segments

Appearance

Label to the left

Label above (full-width)



Content

 $\dots +$

Products

Default ▾

Products

Published

Default

+

Customers

Not created

Open in Split view

+

Prospect

Not created

Prospect

Body Text



Demo



Backoffice extension?

```
dotnet new install Umbraco.Templates
```

```
dotnet new umbraco-extension -n MyExtension
```

Package Script Writer

by Paul Seal

Tick the box under the packages you want to install and configure the options to generate the required script to run.

[🔍 Packages \(489\)](#)

[<> Install Script](#)

[✖ Options](#)

[👍 Popular Scripts](#)

[? Help](#)

[☕ Buy me a coffee](#)

[🌐 Hosting](#)

[✔ Umbraco Versions](#)

Template Name:

Umbraco.Templates

Template Version:

Latest Stable

Latest Stable

✔ Latest LTS 13.8.1

📦 16.0.0-rc

✔ 15.4.1

✔ 15.4.0

✔ 15.4.0-rc2

✔ 15.4.0-rc

✔ 15.3.1

✔ 15.3.0

✔ 15.3.0-rc2

✔ 15.3.0-rc

✔ 15.2.3

✔ 15.2.2

✔ 15.2.1

✔ 15.2.0

✔ 15.2.0-rc

✔ 15.1.2

✔ 15.1.1

✔ 15.1.0

☒ Use Unattended Install:

Database Type

SQLite (v10+ only)

Umbraco User Friendly Name:

Administrator

Umbraco User Email:

admin@example.com

Umbraco User Password (min 10 characters):

1234567890

[Reset to Defaults](#)

[Save](#)

[🗑 Delete Save](#)

[✔ Update Script](#)

[↶ Start Over](#)

[🗑 Clear All Packages](#)

[✔ Update Script](#)

Package Script Writer

by Paul Seal

Tick the box under the packages you want to install and configure the options to generate the required script to run.

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[👍 Popular Scripts](#)
[? Help](#)
[☕ Buy me a coffee](#)
[🌐 Hosting](#)
[✓ Umbraco Versions](#)

☐ Output to single line command
 ☐ Remove comments

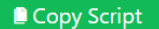
```

# Ensure we have the latest Umbraco templates
dotnet new install Umbraco.Templates --force

# Create solution/project
dotnet new sln --name "MySolution"
dotnet new umbraco --force -n "MyProject" --friendly-name "Administrator" --email "admin@example.com" --password "1234567890" --development-database-type
SQLite
dotnet sln add "MyProject"

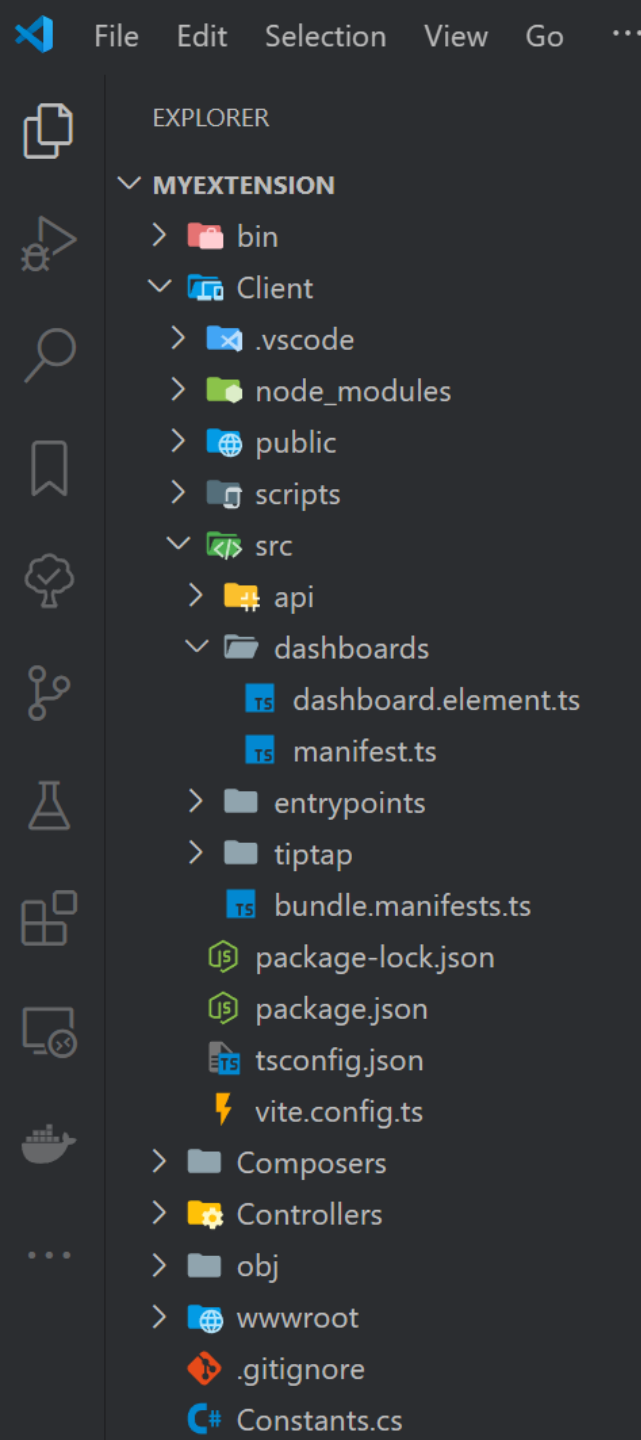
#Add starter kit
dotnet add "MyProject" package clean

dotnet run --project "MyProject"
#Running
        
```



Extensions tips/tricks

- Use Vite/TypeScript (the template)
- Frontend in VS Code (+ Lit Plugin)
- Umbraco source @ Github



Tiptap

The new Rich Text Editor 

What happened to TinyMCE??

- New license (GPLv2)
- Not compatible with Umbraco (MIT)

TinyMCE 

The rich text editor behind great content creation experiences

[Explore Features](#)

[Get Free API Key](#)





The editor suite to build products with real-time edi

Tiptap is the headless and open source editor framework. Integrate over 100+ extensions and paid features like collaboration and AI agents to create the UX you want

[Sign up free →](#)[Try it live](#)

Tiptap... what?

- Headless Rich Text Editor
- Only a canvas
- Not even a toolbar
- Extensions for everything

</> | B I U | ≡ ≡ ≡ | ≡ ≡ | ≡ ⇅ | 🔗 ↺ | 🖼️ 📄

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Tiptap fundamentals

- Uses contenteditable attribute in HTML
- Written in TypeScript
- Every HTML-element requires an extension
- Paragraf <p> requires the `@tiptap/extension-paragraph`
- Meta-package `@tiptap/starter-kit`

Umbraco and Tiptap



tiptapToolbarExtension(s)

Cras metus turpis, malesuada id mauris vitae, egestas elementum massa. Fusce aliquet leo non dui pretium, ac blandit risus laoreet. Proin sed aliquet est. Curabitur interdum gravida dolor, quis euismod urna malesuada et. Duis vulputate tellus nisl, vel condimentum ipsum fringilla ac.

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Umbraco and Tiptap

- **tiptapToolbarExtension**
Adding a button to the toolbar in the rich text editor
- **tiptapExtension**
Wire up a Tiptap-extension to work within Umbraco
Insert custom styles into the rich text editor

<https://tiptap.dev/docs/editor/extensions/overview>

Demo

Property level permissions

- Set read / write permissions on Property Level
- Hide "secret" settings
- Note: Only a frontend-thing, not super-secure.

Granular permissions

Documents

Assign permissions to specific documents

Add

Document Property Values

Assign permissions to Document property values

Contact: Map Coordinates (mapCoordinates)
UI Read

Add

Document Property Value



UI Read

Allow access to read Document property values in the UI



UI Write

Allow access to write Document property values from the UI

CodeGarden 2025

18-20 juni, Odense, Danmark

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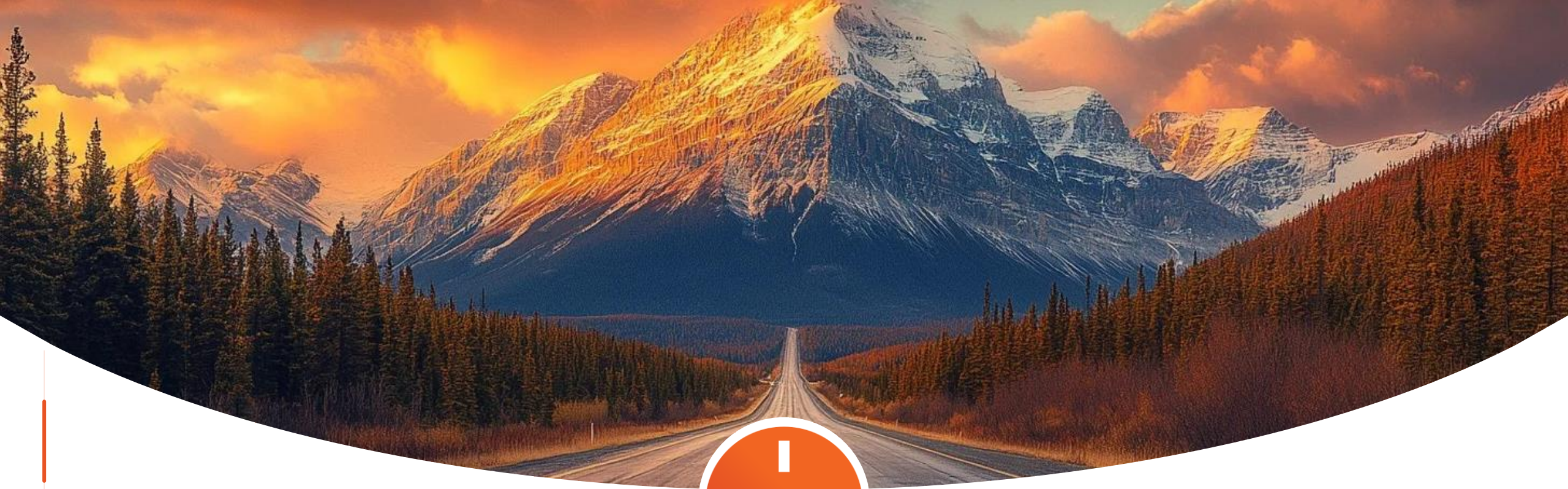
[Get your ticket now](#)



22 oktober 2025

Ordet är fritt

Vad vill vi prata om?



Supertak!

