



18 April Meetup

Yet Another v8 Talk

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@zpqrtbnk

A wide-angle photograph of a snowy street scene in a European city. A canal runs down the center, flanked by snow-covered sidewalks. Buildings with many windows line the street, and trees are heavily laden with snow. Street lamps are lit, casting a warm glow. The sky is overcast and grey. The overall atmosphere is quiet and wintry.

v8 is LIVE

... and it works ...

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8.365.112 SITES

Could be running Umbraco v8 in a distant future,
provided that all other CMSes give up the fight
and Umbraco becomes the only remaining CMS
(number may vary)

v8 goed gedaan

Stéphane Gay

Repairman Of All Things Completely Broken™

Umbraco HQ

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Variants

101

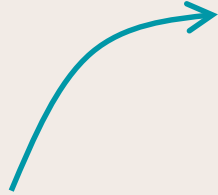
One Document – Several Cultures

Document

FR: "bonjour" → /bonjour

EN: "hello" → /hello

example.com/fr → FR
example.com/en → EN



Document

FR: "bonjour" → /fr/bonjour

EN: "hello" → /en/hello

```
var title = Model.Value("title");
```

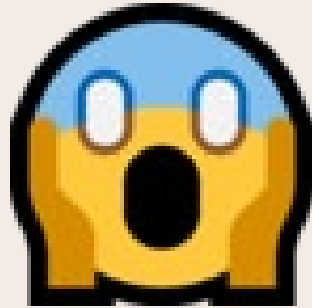
```
var title = Model.Value("title", "fr-FR");
```

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Composition

~

Dependency Injection



Composer

Where Everything Begins

```
public class MyComposer : IComposer
{
    public void Compose(Composition composition)
    {
        // ...
    }
}
```

```
// set the last chance content finder  
composition.SetContentLastChanceFinder<MyLastChanceFinder>();  
  
// append a finder to the pipeline  
composition.ContentFinders().Append<MyContentFinder>();
```

```
// register  
composition.Register<ISomething, Something>();
```



```
// register  
composition.RegisterFor<ISomething, Something>();
```

Predictable Composition

Less Magic

```
[RuntimeLevel(MinLevel = RuntimeLevel.Install)]  
[ComposeAfter(typeof(MyOtherComposer))]  
[Disable(typeof(OtherComposer))]  
public class MyComposer : IUserComposer  
{  
    public void Compose(Composition composition)  
    {  
        // ...  
    }  
}
```

Component

Bring Your Own Code

```
public class MyComponent : IComponent
{
    public void Initialize()
    {
        // ...
    }

    public void Terminate()
    {
        // ...
    }
}
```

```
public class MyComponent : IComponent
{
    private readonly IContentService _contentService;

    public MyComponent(IContentService contentService)
    {
        _contentService = contentService;
    }
}
```

```
public void Compose(Composition composition)
{
    composition.Components().Append<MyComponent>();
}
```



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Context
Is Everything

```
private readonly IUmbracoContextFactory _contextFactory;

public MyComponent(IUmbracoContextFactory contextFactory)
{
    _contextFactory = contextFactory;
}

public void Initialize()
{
    using (var contextRef = _contextFactory.EnsureUmbracoContext())
    {
        var context = contextRef.UmbracoContext;

        // ...
        var item = context.ContentCache.GetById(1234);
    }
}
```



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The Database

Where ?!

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Use The Scope

Luke

```
private readonly IScopeProvider _scopeProvider;

public MyComponent(IScopeProvider scopeProvider)
{
    _scopeProvider = scopeProvider;
}

public void Initialize()
{
    using (var scope = _scopeProvider.CreateScope())
    {
        scope.Database.Execute("DELETE * FROM umbracoNode;");

        scope.Complete();
    }
}
```

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DI.Die.Die.Die

I Don't Wanna DI


```
public void Whatever()  
{  
    Current.Logger.Debug<MyClass>("Hello!");  
}
```

```
public void Whatever()  
{  
    var service = Current.Factory.GetInstance<IMyService>();  
}
```

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Published Elements

Lightweight Published Content

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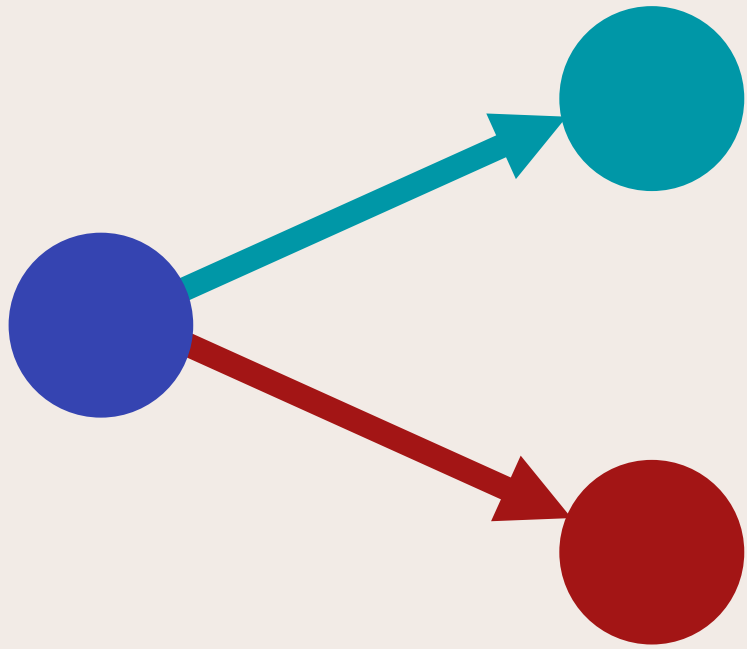
Migrations

Plan

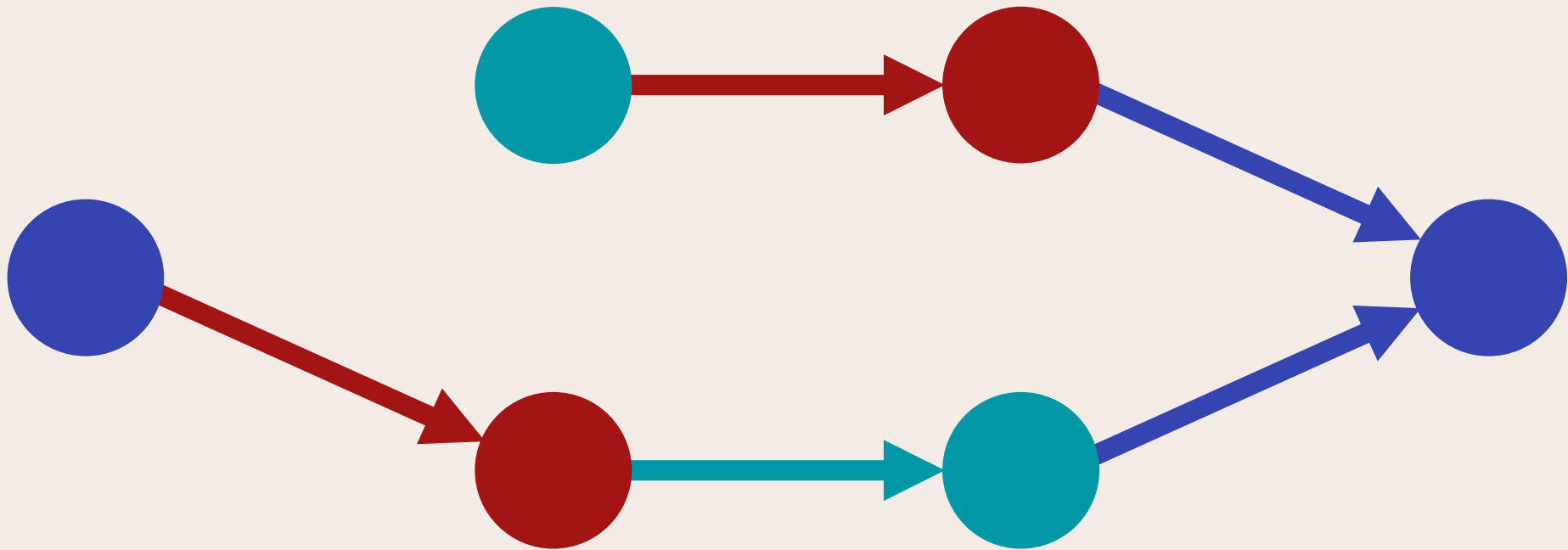


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```
public class MyPlan : MigrationPlan
{
    public MyPlan()
        : base("myPlan")
    {
        From("")
            .To<MyMigration1>("state-1")
            .To<MyMigration2>("state-2");
    }
}
```



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```
...  
    .To<MyMigration2>("state-2")  
    .Merge()  
        .To<Dev1Migration>("dev-1-state")  
    .With()  
        .To<Dev2Migration>("dev-2-state")  
    .As("state-3");
```

```
var plan = new MyPlan();  
var upgrader = new Upgrader(plan);  
upgrader.Upgrade(...);
```

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Migrating From v7

Have You Found The Way?

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One More Thing

What Is Next?

```
var title = Model.Value("title");
```

```
var title = Model.Value("title", "fr-FR");
```

```
// use the property
var children = Model.Children;

// use the method
var children = Model.Children();

// use the method, with a culture
var children = Model.Children("fr-FR");
```

```
// current culture
var name = Model.Name;

// FR culture
var nameFR = Model.GetCulture("fr-FR").Name;

// Can I has this?
var nameFR = Model.Name("fr-FR");
```

Fixing Is Breaking



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The Friendliest CMS Community On The Planet

Make sure to voice your opinion
Issues are monitored

Get what you want!





Thank you



Thanks!