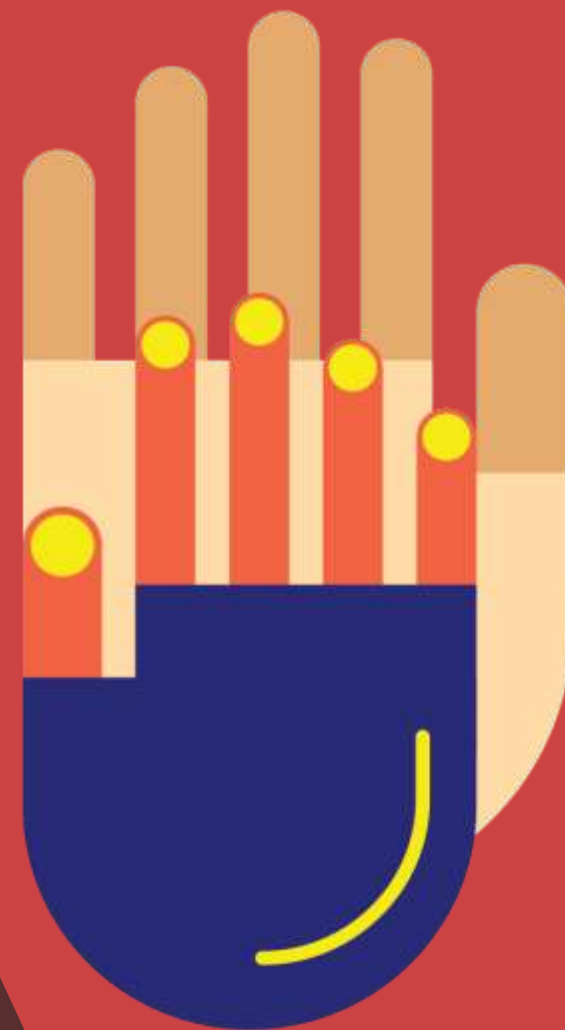


Headless CMS &
Optimal performance

Umbraco dk festival 2017





190 kolleger – 70% Umbraco – KBH, Aarhus, BCN, Madrid, London

Agenda

- Hvorfor Headless
- Løsningsarkitektur
- Multisite Umbraco
- Frontend and .NET Core
- CI & high availability
- Bananer



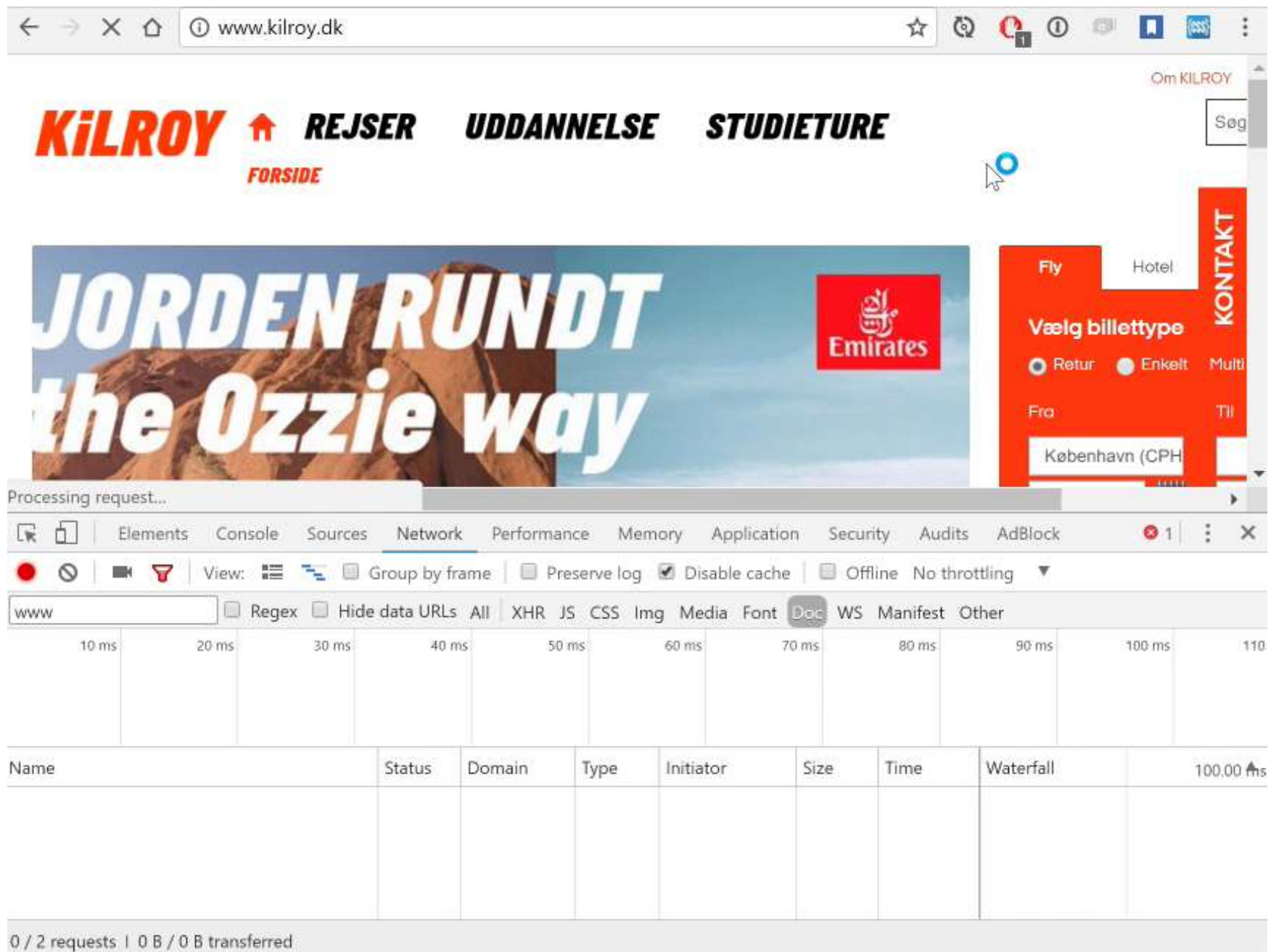
A person is running across a wooden bridge over a river. The scene is bathed in a warm, golden light from a low sun, creating a strong lens flare effect on the right side. The person is wearing a striped tank top and shorts. The bridge is made of wooden planks, and there are trees and foliage on either side.

KILROY

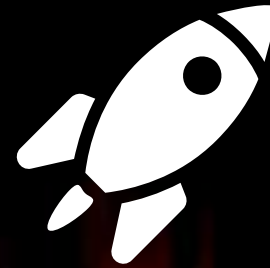
THE GROUP

Hvad er
vigtigt for
kunden?

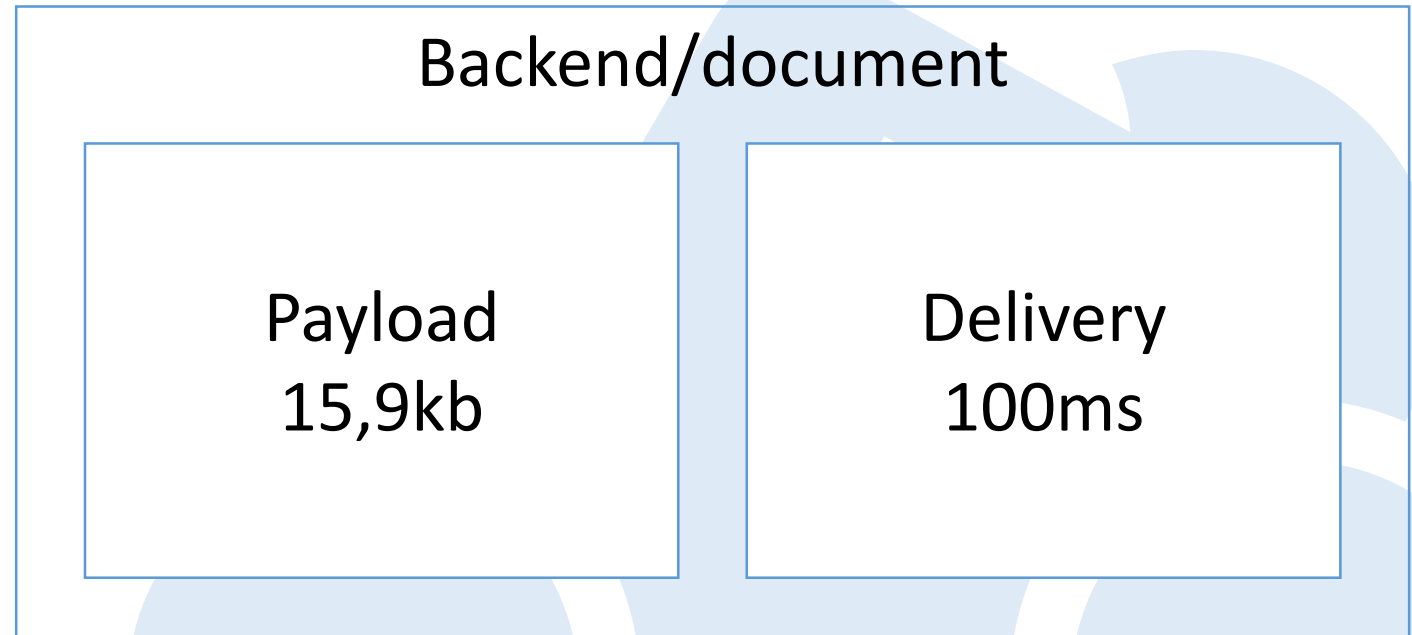
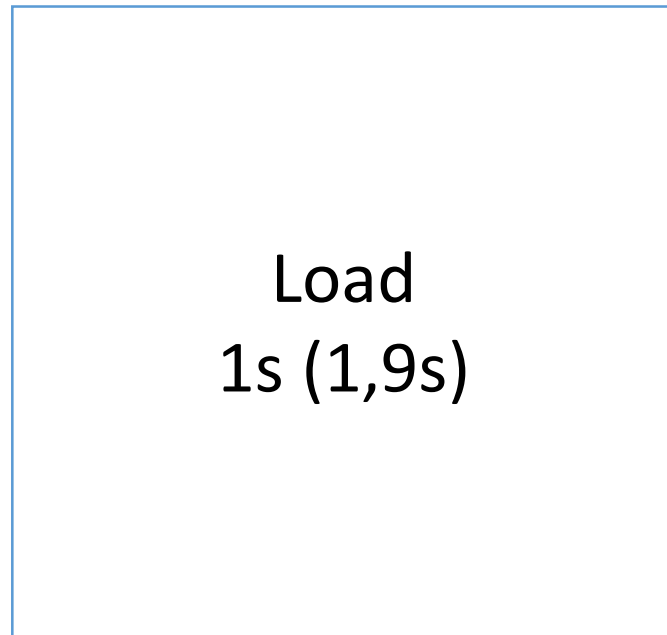




Et site med ild i!



What to fix...



Budgetmål:

Payload < 10kb
Delivery < 50ms
Load < 500ms

← → ↻ 🏠 Secure <https://www.benns.dk> ☆ 🔄 🚫 ⓘ 🗨️ 📖 📄 ⋮

BENNSMenu ☰



Skræddersyede kvalitetsrejser til hele verden med

📞 65 65 65 65

[Få et tilbud](#)

Waiting for www.benns.dk...

🔍 📄 | Elements Console Sources **Network** Performance Memory Application Security Audits AdBlock | ⋮ ✕

🔴 🚫 🎥 🔍 | View: 📄 📡 ☐ Group by frame ☐ Preserve log ☒ Disable cache ☐ Offline No throttling ▼

☐ Regex ☐ Hide data URLs All XHR JS CSS Img Media Font **Doc** WS Manifest Other

10 ms	20 ms	30 ms	40 ms	50 ms	60 ms	70 ms	80 ms	90 ms	100 ms

Recording network activity...

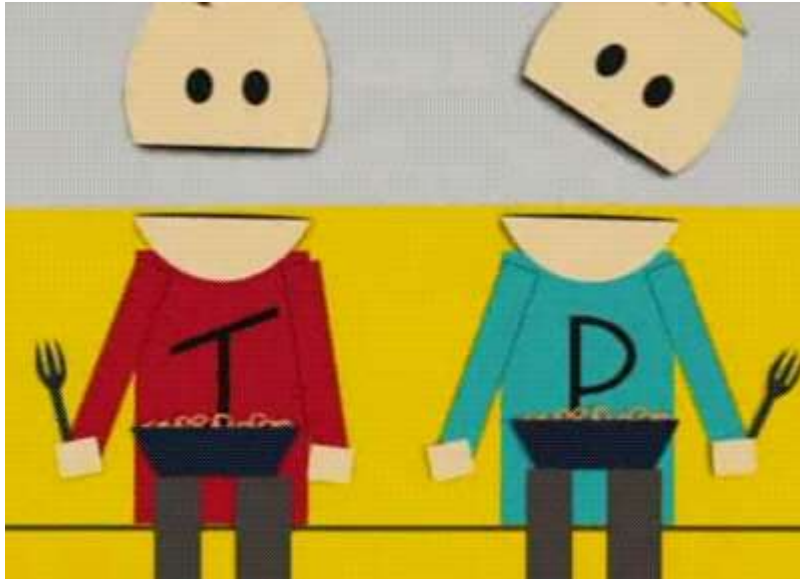
Perform a request or hit **F5** to record the reload.

VERY NICE

GREAT SUCCESS



Head, Headless or semi headless?





JORDEN RUNDT
the Ozzie way

Emirates

 Den fedeste rute med Emirates til Australien!	10 fede ting du bare MÅ opleve i Australien	Følg Lynn på det vildeste Ozzie road trip!	Tag på det vildeste road trip i Australien 
---	--	---	---

Fly Hotel Ture Billeje

Vælg billettype 

☐ Retur ☐ Enkelt ☐ Multi city

Fra Til

København (CPH)

28.09.2017  12.10.2017 

Voksne Børn Spædbørn

1  0  0 

12 år+ 2-11 år Under 2 år

Lavpriskalender



☒ Er du under 31 år eller under uddannelse?

Søg

Nyheder



Få en vandretaske og Lonely Planet når du booker din jordomrejse med andre unge

21. september 2017

HVOR VIL DU HEN?

Nordamerika

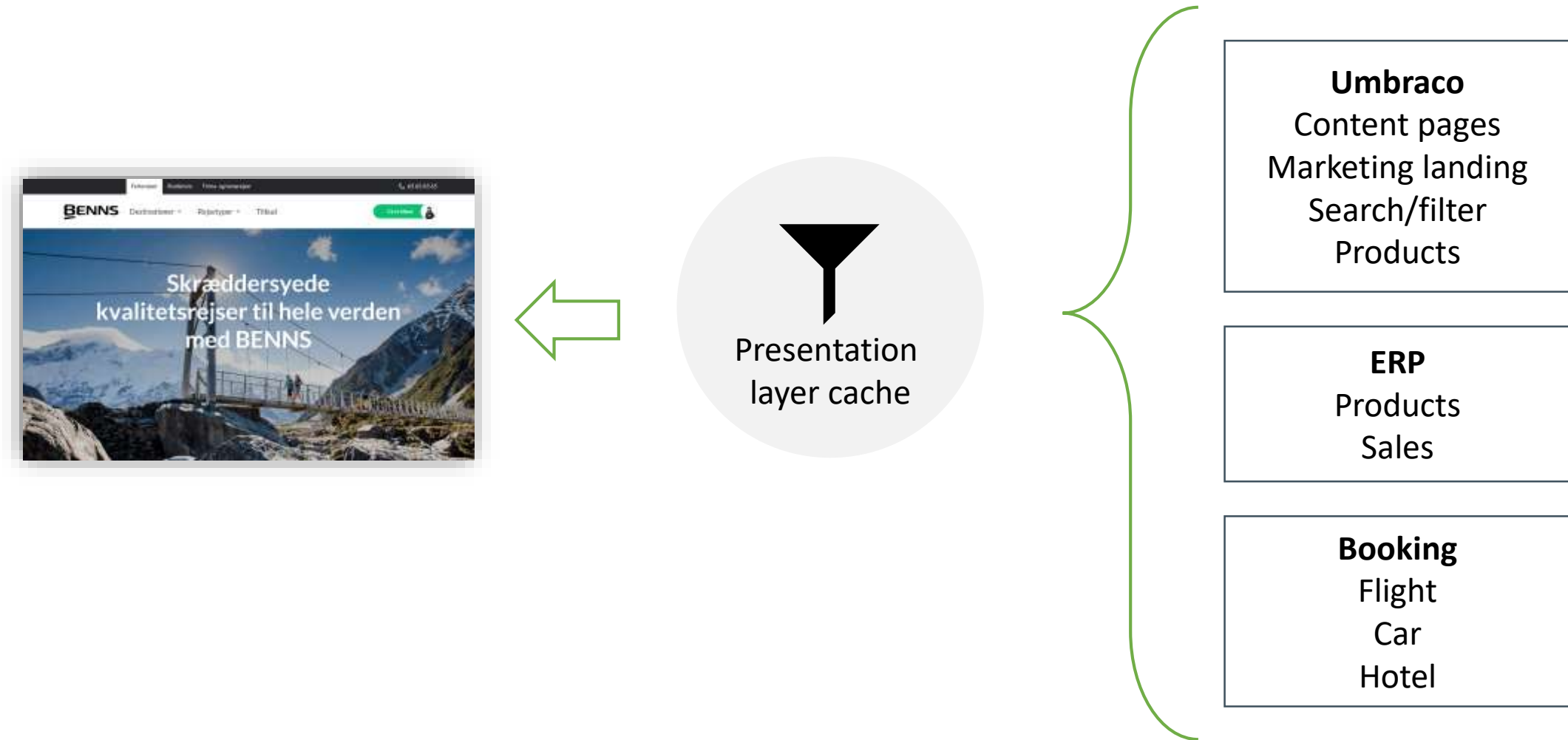
Europa

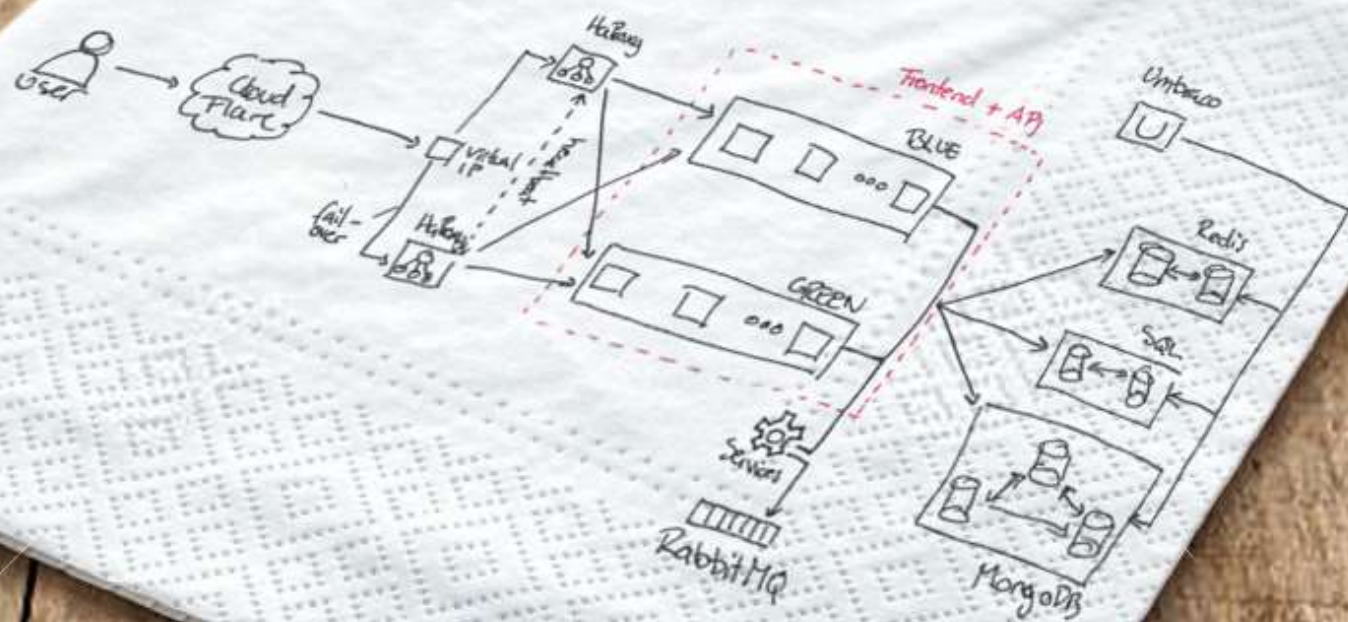
Asien

Rejsevideoer



Headless & multiple datakilder

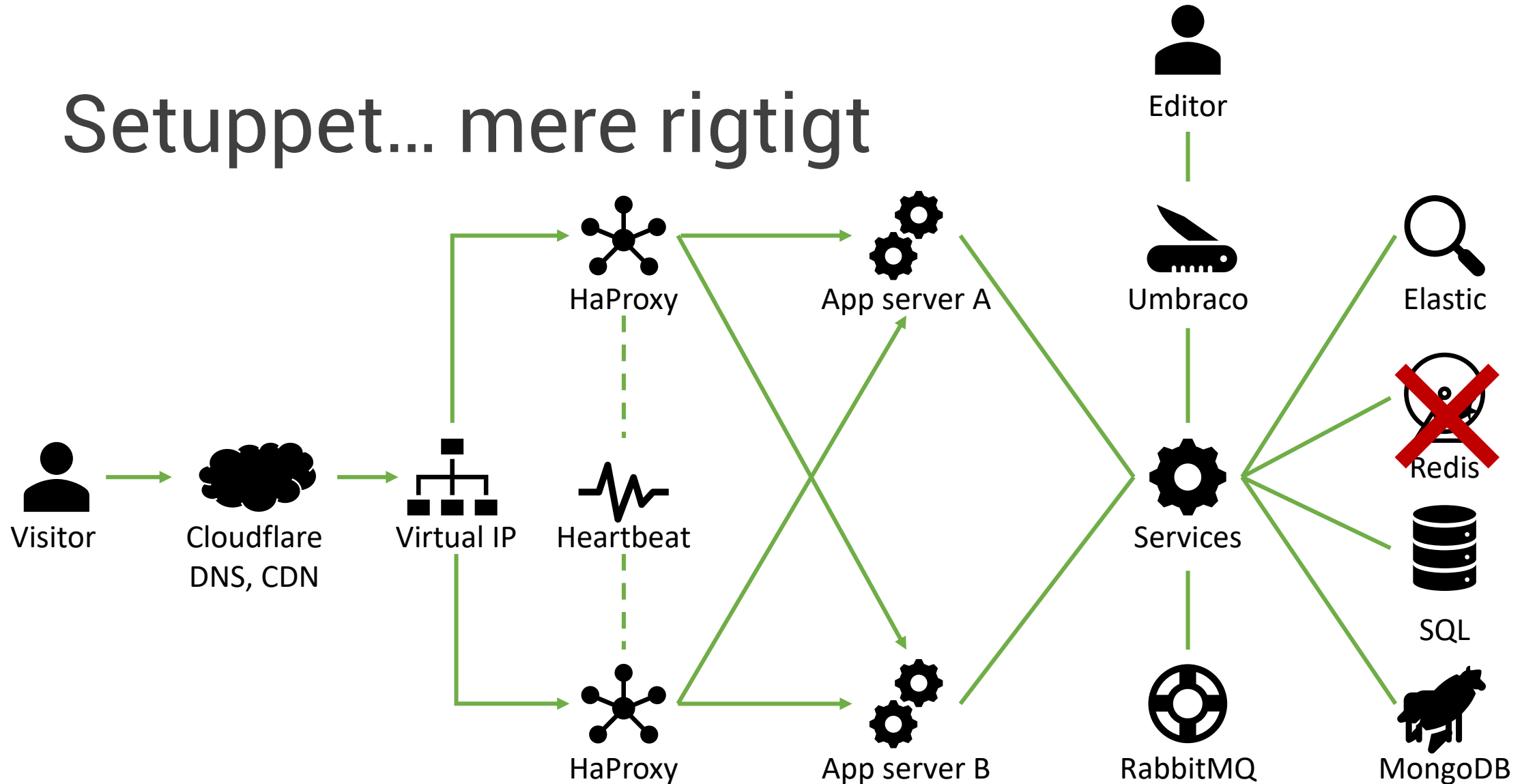




Setupppet



Setuppert... mere rigtigt



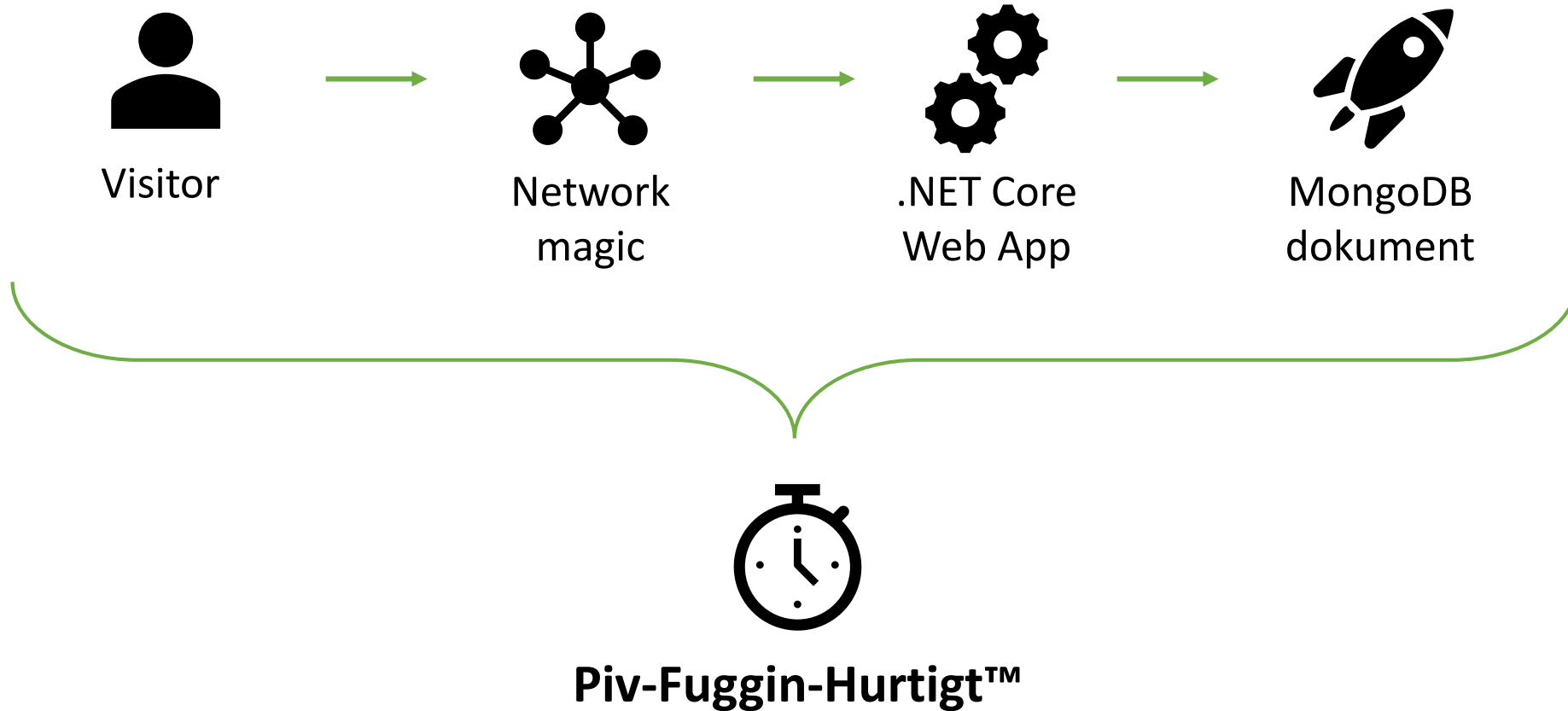
CDN

Load Balancer

Frontend + API

Backend + data

Basis visning af side via PFH™

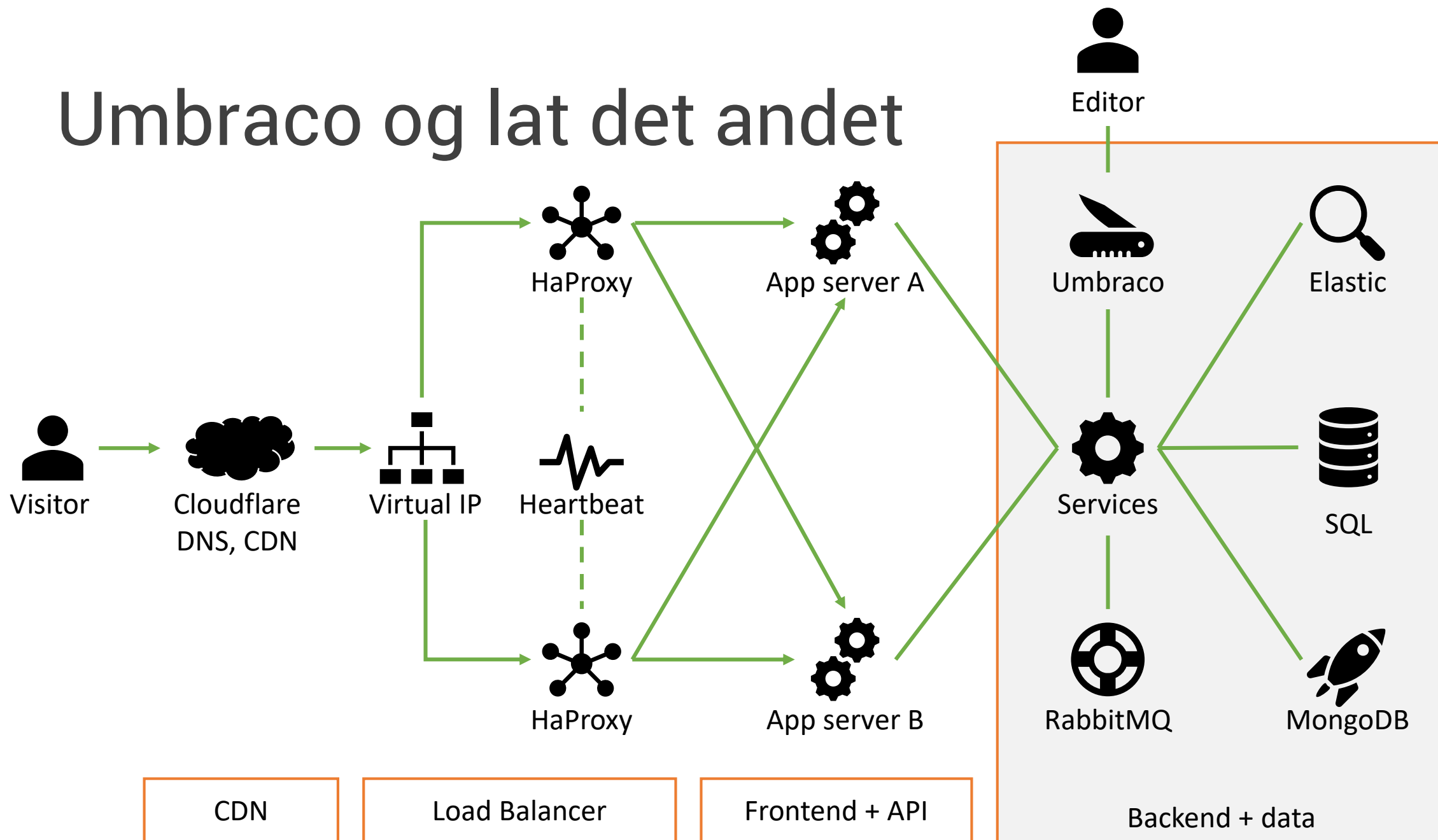


A person with long hair, wearing a white sweater with colorful geometric patterns and dark pants, stands barefoot on a dark, pebbly beach. They are looking out at the ocean where waves are breaking. In the foreground on the left, a portion of a white van with orange and yellow accents is visible, along with several colorful surfboards leaning against it. The overall scene is serene and evokes a sense of adventure.

Fra backend til frontend

the code adventure..

Umbraco og lat det andet



Happy funky Friday

Log in below

 Sign in with Active Directory

or

Enter your username

Enter your password

Login



Type to search...

CONTENT

Settings

BENNS.dk

BENNS.se

BENNS.no

KILROY.net

KILROY.be

KILROY.dk

KILROY.fi

KILROY.is

KILROYworld.nl

KILROY.no

KILROY.se

KILROY.pl

Recycle Bin

Content

Dashboard

Get Started

Bump client dependency

Recycle app pool

Hvad kan vi gøre for dig?

Navn

Novicell

Hvordan kan vi kontakte dig?

Email

Telefon nummer

Email

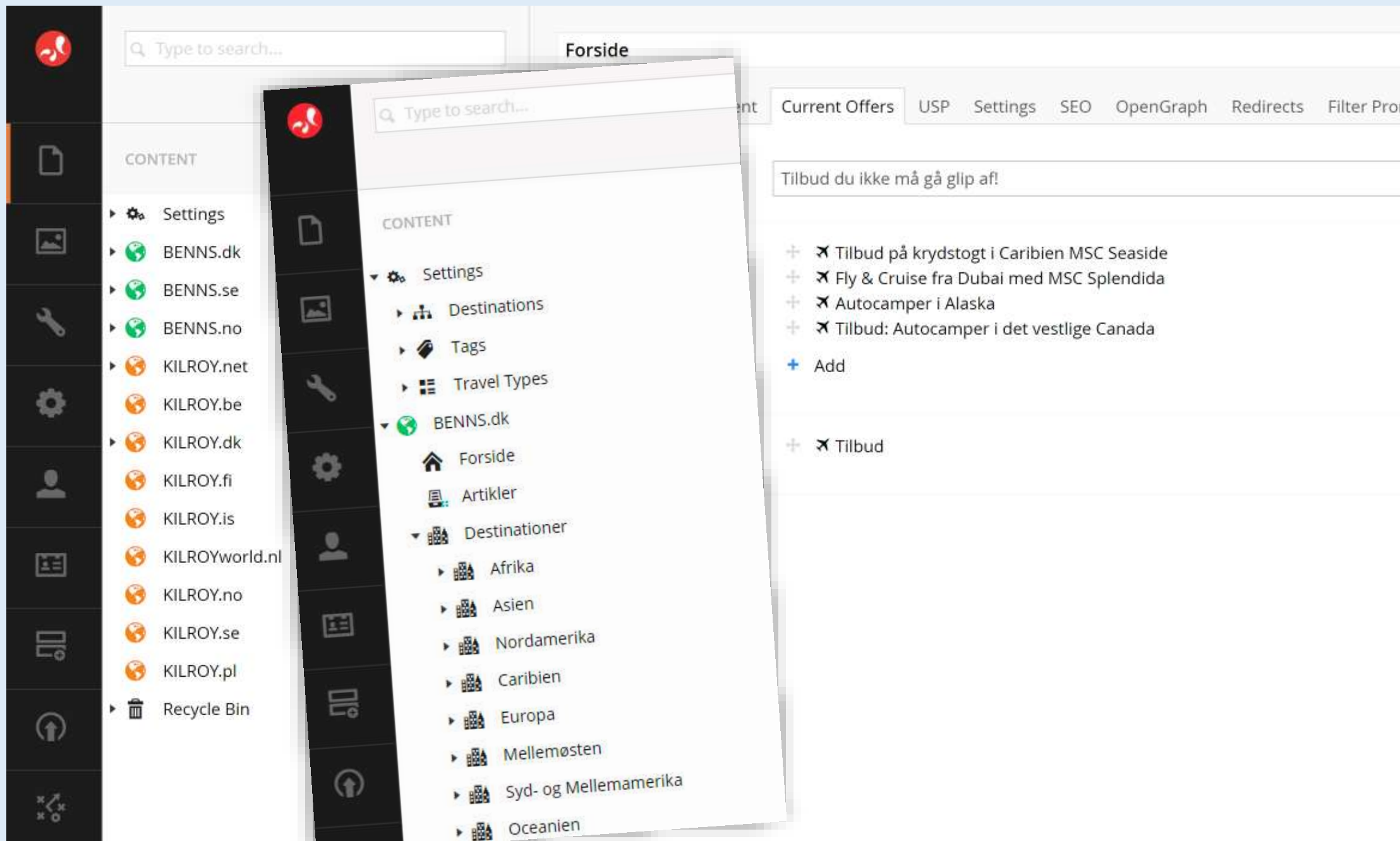
support@novicell.dk

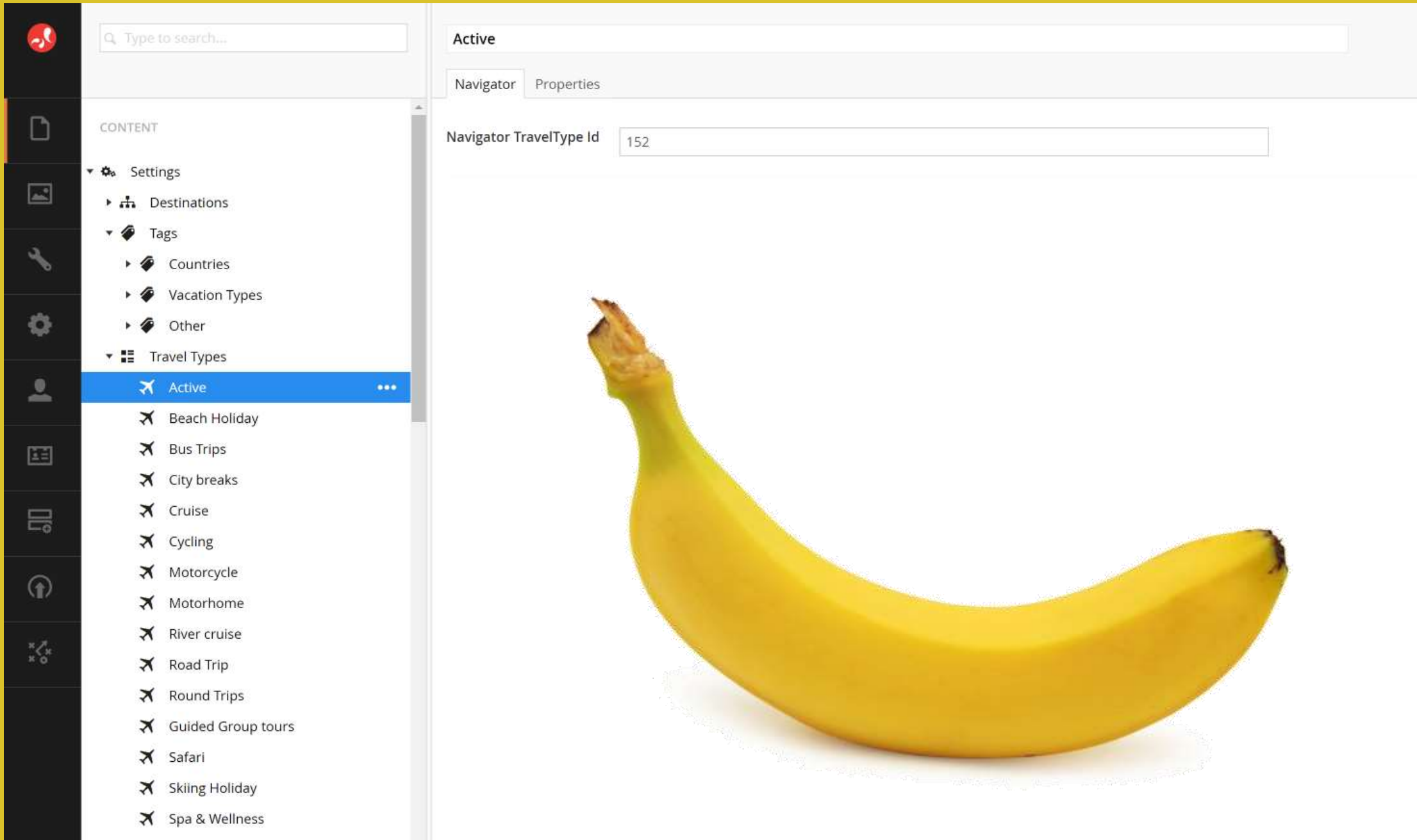
Emne

Hvad handler det om...

Beskriv problemet

Skriv her...









CONTENT

Settings

Destinations

Africa

Antarctica

Asia

Central America

Europe

Middle East

North America

Canada

Mexico

USA

Oceania

South America

The Caribbean

Tags

Travel Types

BENNS.dk

BENNS.se

Canada

Country Specific Data

Map

Navigator

Car IBE

Airport

Benns

Multimedia zoom level

4

Zoom level

4

This number is the zoom level that will be applied when the user click on "Zoom" in the info windows

Zoom level active min

3

Zoom level active max

3

Latitude

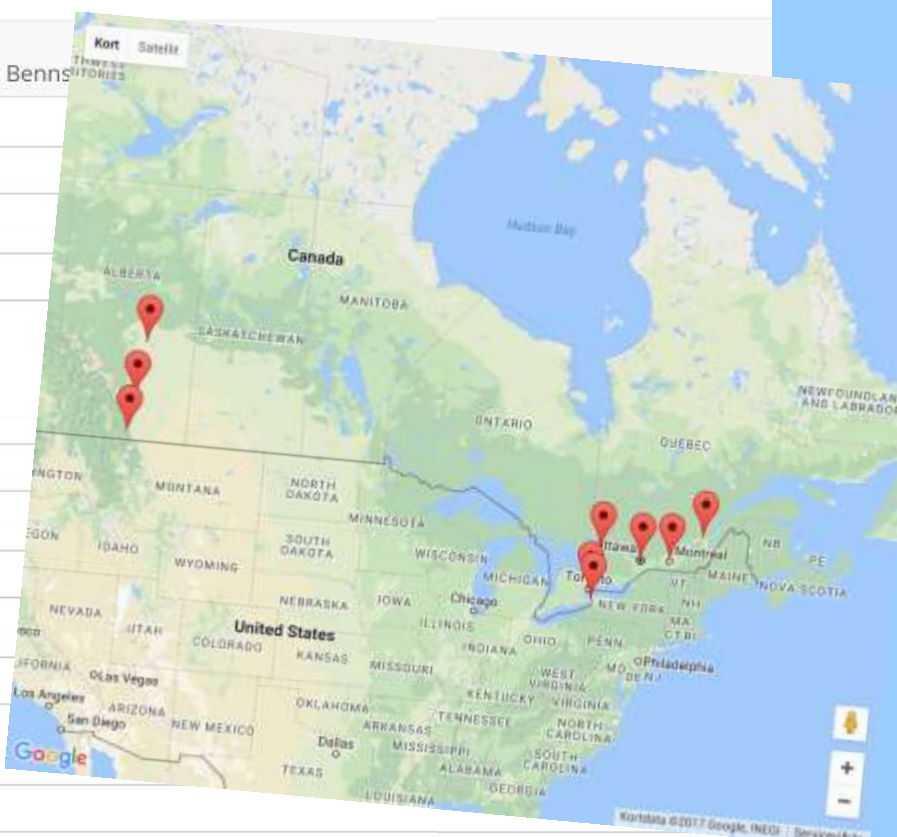
51.001

Decimal is ','

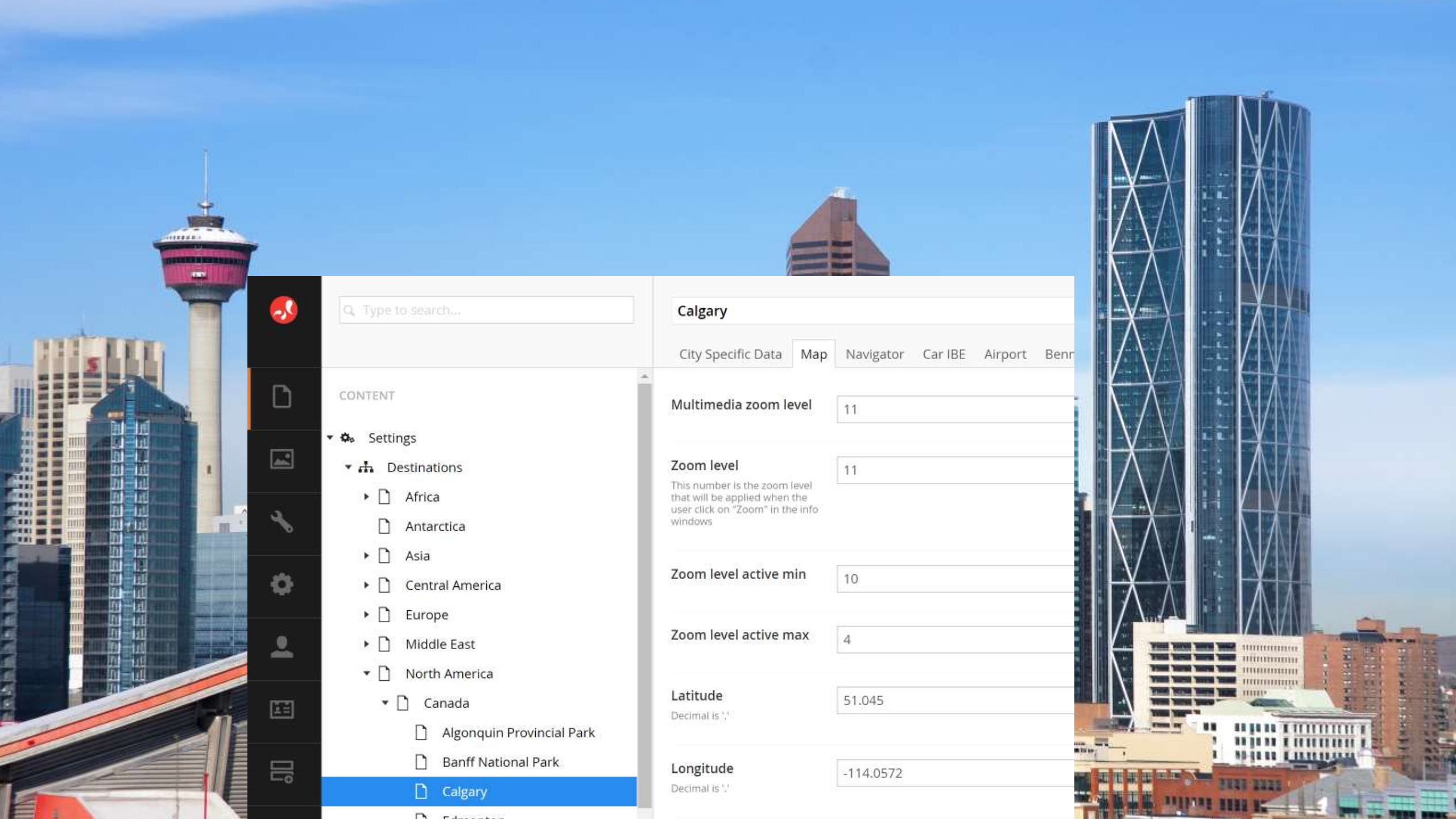
Longitude

-89.001

Decimal is ','




NOVICELL DELUXE







CONTENT

⚙️ Settings

📁 Destinations

▶ 📁 Africa

📁 Antarctica

▶ 📁 Asia

▶ 📁 Central America

▶ 📁 Europe

▶ 📁 Middle East

▼ 📁 North America

▼ 📁 Canada

📁 Algonquin Provincial Park

📁 Banff National Park

📁 Calgary

📁 Edmonton

Calgary

City Specific DataMapNavigatorCar IBEAirportBenr

Multimedia zoom level

11

Zoom level

This number is the zoom level that will be applied when the user click on "Zoom" in the info windows

11

Zoom level active min

10

Zoom level active max

4

Latitude

Decimal is ''

51.045

Longitude

Decimal is ''

-114.0572

Type to search...

Destinations

Africa

Asia

Caribbean

Europe

Austria

Study



austria-mozart-iStock-146077



austria-salzbürgerland-iStock



Austria-Vienna-Schönbrunn-F

AO Stadthalle

Wombat Naschmarkt

Wombat Lounge

AO Hauptbahnhof

iStock-594449188.jpg

Abteanu-salzbürgerland.jpg

iStock-473437728.jpg

iStock-610865406.jpg

Belgium

Bulgaria

Canary Islands

Croatia

Cyprus

Czech Republic

Denmark

England

Estonia

Faroe Islands

Study

Contents

Properties

Type to search...

- or click here to choose files

AO Stadthalle

Wombat Naschmarkt

Wombat Lounge

AO Hauptbahnhof



Previous

1

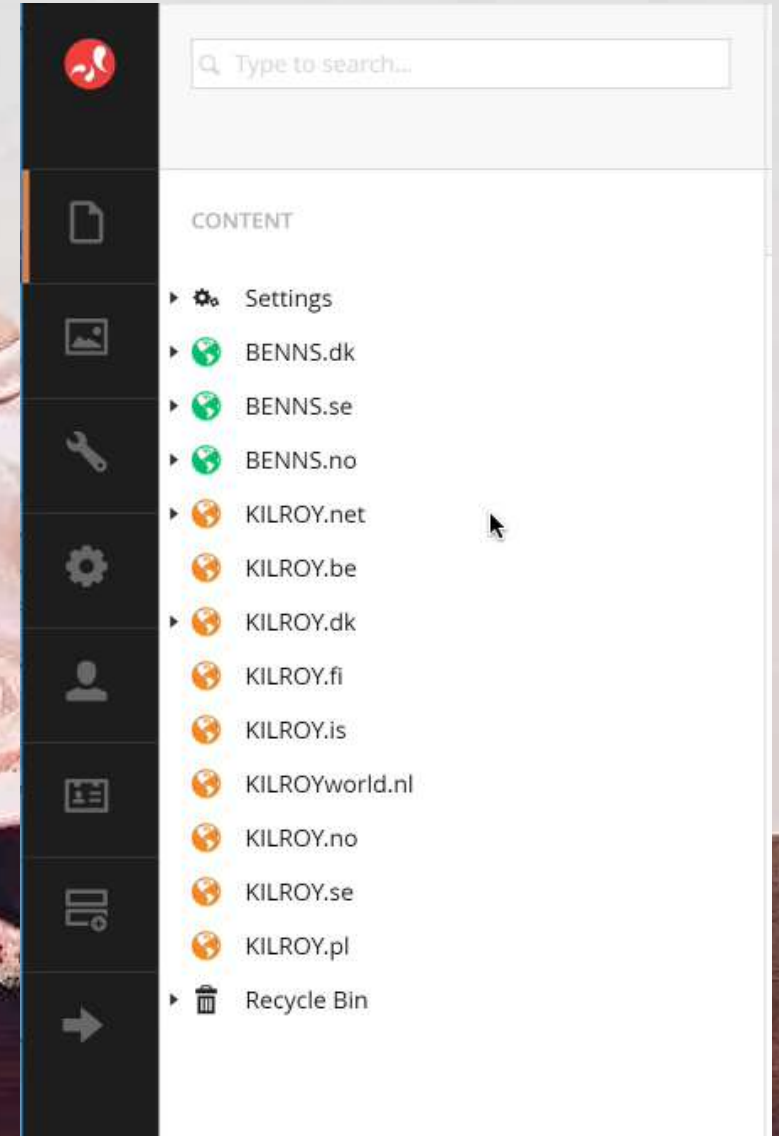
2

Next

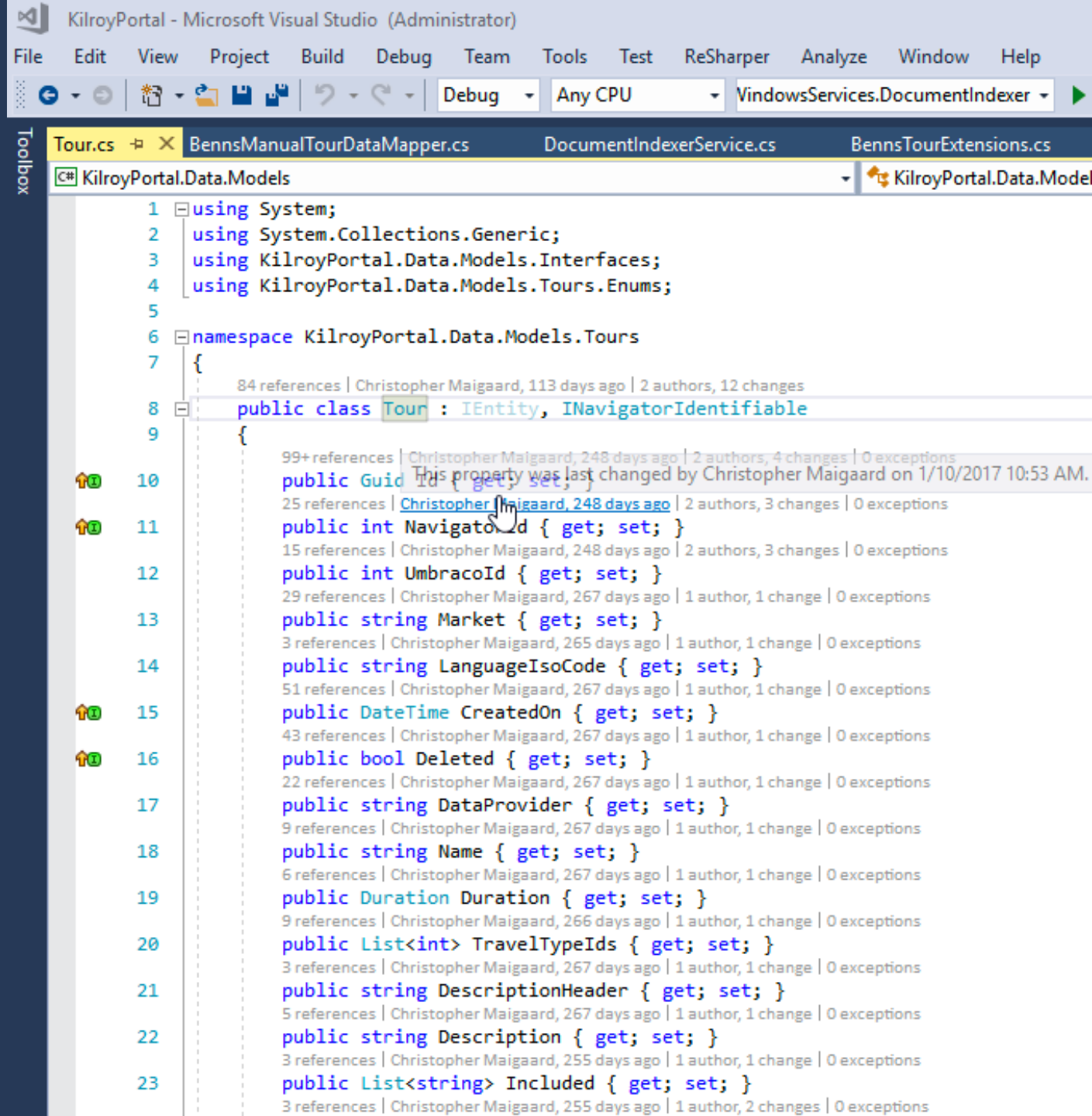
BEHNS / Destinations / Europe / Austria / Study

Save

Angstprovokerende tomhed i *Developer* og *Settings*



Akkumuleret generaliseret model



```
1 using System;
2 using System.Collections.Generic;
3 using KilroyPortal.Data.Models.Interfaces;
4 using KilroyPortal.Data.Models.Tours.Enums;
5
6 namespace KilroyPortal.Data.Models.Tours
7 {
8     public class Tour : IEntity, INavigatorIdentifiable
9     {
10         public Guid Id { get; set; }
11         public int NavigatorId { get; set; }
12         public int UmbracoId { get; set; }
13         public string Market { get; set; }
14         public string LanguageIsoCode { get; set; }
15         public DateTime CreatedOn { get; set; }
16         public bool Deleted { get; set; }
17         public string DataProvider { get; set; }
18         public string Name { get; set; }
19         public Duration Duration { get; set; }
20         public List<int> TravelTypeIds { get; set; }
21         public string DescriptionHeader { get; set; }
22         public string Description { get; set; }
23         public List<string> Included { get; set; }
```

Data mapping

```
tourDocument = BaseMapping(tourDocument, contentObj);

tour.Departures = tourDocument.Departures.SelectMany(x => x.Rows.S...)

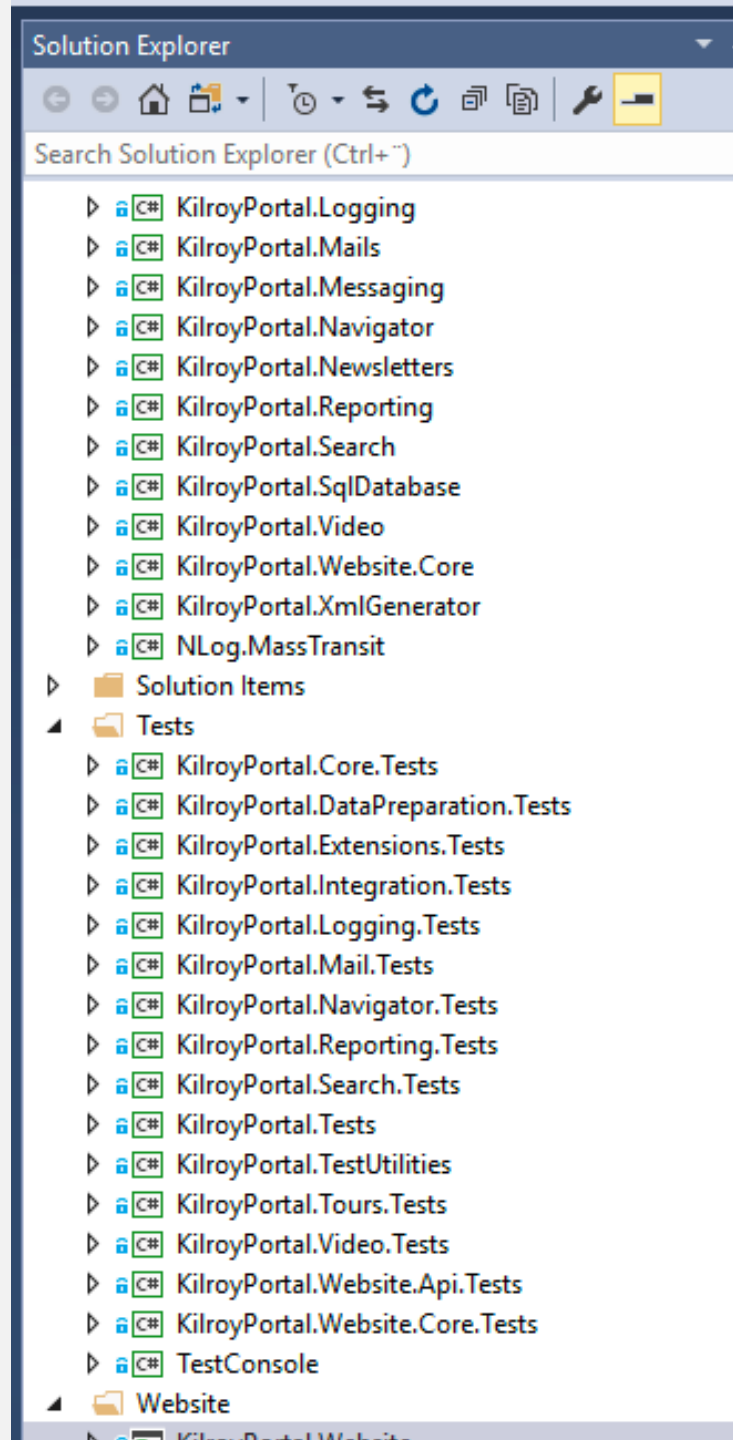
var tourDescriptionImage = contentObj.GetValueSafe<string>("tourDe...");
if (!string.IsNullOrEmpty(tourDescriptionImage))
{
    var jsonObj = JToken.Parse(tourDescriptionImage);

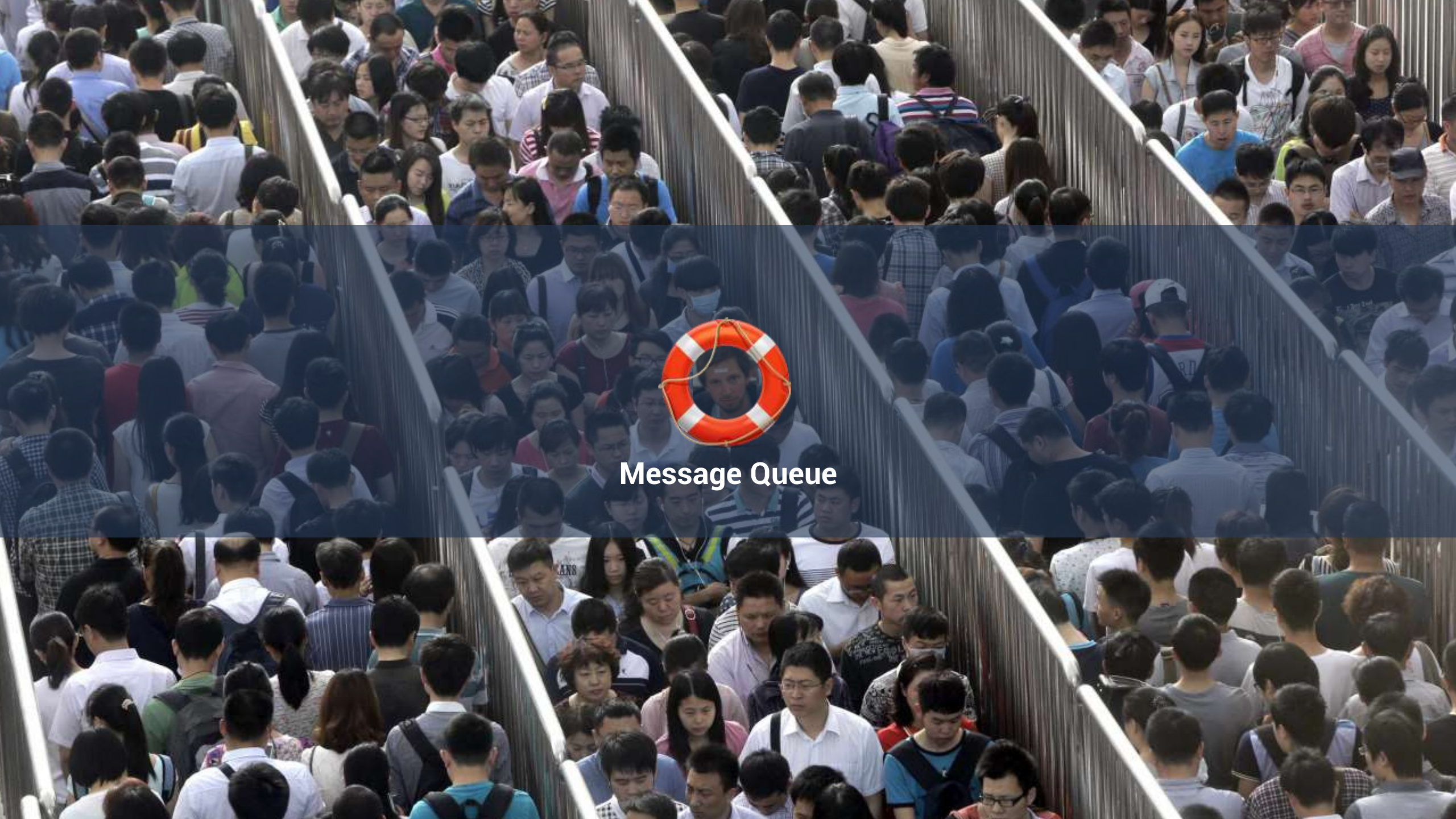
    var id = jsonObj.Value<int>("id");
    var altText = jsonObj.Value<string>("alternativeText") ?? string.Empty;
    var url = umbracoHelper.TypedMedia(id).Url;
    var image = new Image(id, url, altText)
    {
        AlternateText = altText
    };

    // Focal point
    var focalPointJson = jsonObj.Value<JObject>("focalPoint");
    image.FocalPoint = JsonConvert.DeserializeObject<FocalPoint>(focalPointJson.ToString());

    tourDocument.TourDescriptionImage = image;
}

var task = System.Threading.Tasks.Task.Factory.StartNew(() =>
{
    DocumentRepository.Save(tourDocument);
    _tourDocumentRepository.Save(tourDocument);
    System.Threading.Tasks.Task.Delay(500);
}).ContinueWith(t =>
{
    _tourManagementService.Save(tour);
    _producerSevice.Send(new XmlMessage(tourDocument));
});
```





Message Queue

```
XmlGeneratorService.cs | WindowsServiceBootstrapper.cs | Program.cs | Tour.cs | BennisManualTourDataMapper.cs
KilroyPortal.XmlGenerator.Services.XmlGeneratorService

20
21 namespace KilroyPortal.XmlGenerator.Services
22 {
23     2 references | NOVICELL\mak, 1 day ago | 1 author, 7 changes
24     public class XmlGeneratorService : IXmlGeneratorService
25     {
26         private readonly ILoggingService _loggingService;
27         private readonly IConsumerService _consumerService;
28         private readonly IFileSystem _fileSystem;
29         private readonly IConfigurationService _configurationService;
30
31         private const string XmlExtension = ".xml";
32
33         0 references | NOVICELL\mak, 9 days ago | 1 author, 1 change | 0 exceptions
34         public XmlGeneratorService(
35             IConsumerService consumerService,
36             ILoggingService loggingService,
37             IFileSystem fileSystem,
38             IConfigurationService configurationService)
39         {
40             _consumerService = consumerService;
41             _loggingService = loggingService;
42             _fileSystem = fileSystem;
43             _configurationService = configurationService;
44
45         16 references | NOVICELL\mak, 4 days ago | 1 author, 4 changes | 0 exceptions
46         public void Start()
47         {
48             try
49             {
50                 _consumerService.Listen<XmlMessage>(XmlMessage.QueueName, message =>
51                 {
52                     var objectFromQueue = message.Object;
53                     if (objectFromQueue != null)
54                     {
55                         ITourDocument tourDocument = message.Object;
56                         if (tourDocument != null)
57                         {
58                             _configurationService.Get<string>(SystemConstant.AppServerFilePathTourXml)
59                                 .Do(path => SaveTour(tourDocument, tourDocument.Domain, path));
60                         }
61                     }
62                     return Task.CompletedTask;
63                 });
64             }
65             catch (Exception e)
66             {
67             }
68         }
69     }
70 }
```

Message queue & document indexer

Solution Explorer

Search Solution Explorer (Ctrl+)

- References
 - App_Data
 - App_Start
 - Controllers
 - Errors
 - FormLogics
 - Interfaces
 - Models
 - Services
- ApplicationInsights.config
- Global.asax
- packages.config
- Startup.cs
- Web.config
- WebApiApplication.asax.cs
- WebApiPackage.cs
- WebsiteApiBootstrapper.cs
- KilroyPortal.Website.Media
- WindowsServices
 - KilroyPortal.WindowsServices.DocumentIndexer
 - KilroyPortal.WindowsServices.LocalizationUpdater
 - KilroyPortal.WindowsServices.MailService
 - KilroyPortal.WindowsServices.NavigatorUpdater
 - KilroyPortal.WindowsServices.NewsletterService
 - KilroyPortal.WindowsServices.VideoUpdater
 - KilroyPortal.WindowsServices.XmlGeneratorService**
 - Properties
 - References
 - App.config
 - NLog.config
 - packages.config
 - Program.cs

Solution Explorer | Team Explorer

```
76     _loggingService.Warn($"Couldn't find {SystemConstant.DocumentIndexerInterval} in configuration, defaulting to {DefaultIntervalInMilliseconds}.");
77 }
78
79 var waitAndCollect = configurationService.Get<bool>(SystemConstant.DocumentIndexerWaitAndCollect);
80 if (waitAndCollect.HasValue)
81 {
82     WaitAndCollect = waitAndCollect.Value;
83 }
84 else
85 {
86     _loggingService.Warn($"Couldn't find {SystemConstant.DocumentIndexerWaitAndCollect} in configuration, defaulting to {default(bool)}.");
87 }
88
89 _deleteList = new List<IIndexable>();
90 _updateList = new List<IIndexable>();
91 }
92
```

16 references | Rami Ejleh, 105 days ago | 2 authors, 12 changes | 0 exceptions

```
93 public void Start()
94 {
95     _loggingService.Info("Started DocumentIndexerService");
96     Started = true;
97
98     _consumerService.Listen<IndexTourCardDocumentMessage>(IndexTourCardDocumentMessage.QueueName, message =>
99     {
100         _loggingService.Info("TourCard");
101         CollectOrProcess(message.Documents.ToList<IIndexable>(), message.Action);
102         return Task.CompletedTask;
103     });
104
105     _consumerService.Listen<IndexStudyTourCardDocumentMessage>(IndexStudyTourCardDocumentMessage.QueueName, message =>
106     {
107         _loggingService.Info("StudyTourCard");
108         CollectOrProcess(message.Documents.ToList<IIndexable>(), message.Action);
109         return Task.CompletedTask;
110     });
111
112     _consumerService.Listen<ReIndexMessage>(ReIndexMessage.QueueName, message =>
113     {
114         ReIndex(message.Index);
115         return Task.CompletedTask;
116     });
117 }
```

Piv simpel "Cache busting"

```
2 references | Christopher Maigaard, 189 days ago | 1 author, 1 change | 0 exceptions
private void CollectOrProcess(IList<IIndexable> models, DataAction action)
{
    try
    {
        if (WaitAndCollect)
        {
            Enqueue(models, action);
        }
        else
        {
            Update(models, action);
        }
    }
    catch (Exception exception)
    {
        loggingService.Error("Error in DocumentIndexerService", exception);
    }
}
```

```
2 references | M... inquist, 49 days ago | 2 authors, 5 changes | 0 exceptions
public void Update(IList<IIndexable> models, DataAction action)
{
    if (action == DataAction.Save)
    {
        foreach (var document in models)
        {
            UpdateDocumentIfNecessary(document);

            if (!document.IsIndexable)
            {
                if (_indexer.Exists(document))
                {
                    _indexer.Delete(document);
                }

                continue;
            }

            _indexer.Index(document);
        }
    }
}
```

Search Solution Explorer (Ctrl+)

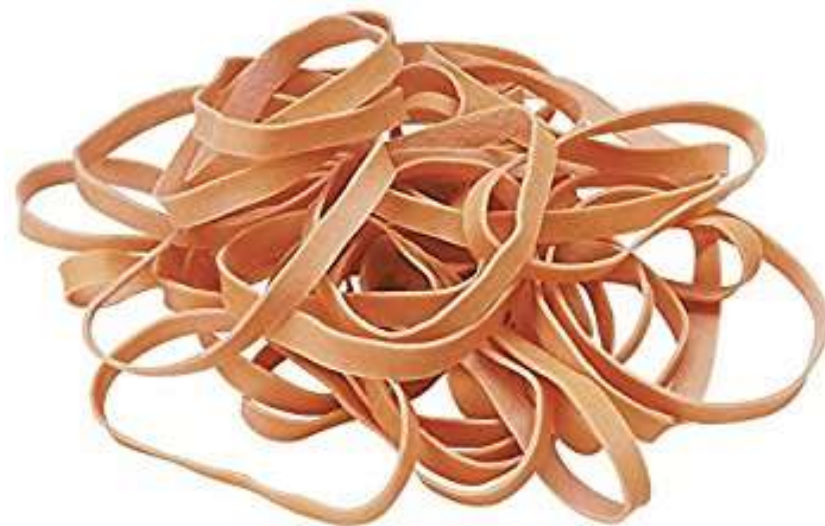
- References
 - App_Data
 - App_Start
 - Controllers
 - Errors
 - FormLogics
 - Interfaces
 - Models
 - Services
- ApplicationInsights.config
- Global.asax
 - packages.config
- Startup.cs
- Web.config
- WebApiApplication.asax.cs
- WebApiPackage.cs
- WebsiteApiBootstrapper.cs
- KilroyPortal.Website.Media
- WindowsServices
 - KilroyPortal.WindowsServices.DocumentIndexer**
 - Properties
 - References
 - App.config
 - NLog.config
 - packages.config
 - Program.cs
 - KilroyPortal.WindowsServices.LocalizationUpdater
 - KilroyPortal.WindowsServices.MailService
 - KilroyPortal.WindowsServices.NavigatorUpdater
 - KilroyPortal.WindowsServices.NewsletterService
 - KilroyPortal.WindowsServices.VideoUpdater
 - KilroyPortal.WindowsServices.XmlGeneratorService

Solution Explorer Team Explorer

```

13 namespace KilroyPortal.Search.Services
14 {
15     8 references | Mark Lønquist, 49 days ago | 2 authors, 11 changes
16     public class ElasticIndexer : IIndexer
17     {
18         private const string Blue = "_blue";
19         private const string Green = "_green";
20
21         private readonly ElasticClient _client;
22         private readonly ILoggingService _loggingService;
23
24         5 references | Christopher Maigaard, 169 days ago | 1 author, 3 changes | 0 exceptions
25         public ElasticIndexer(
26             IElasticClientFactory elasticClientFactory,
27             ILoggingService loggingService)
28         {
29             _client = elasticClientFactory.GetClient();
30             _loggingService = loggingService;
31
32             2 references | Christopher Maigaard, 169 days ago | 1 author, 3 changes | 0 exceptions
33             public void Index<T>(T model)
34                 where T : class, IIndexable
35             {
36                 var response = _client.Index(model, idx => idx
37                     .Index(model.Index.ToLower())
38                     .Type(model.Type.Name.ToLower()));
39
40                 _loggingService.Debug($"Index call is valid {response.IsValid} with result: {response.Result}. \nApi call success: {response.ApiCall.Success}.", response);
41             }
42
43             4 references | Christopher Maigaard, 169 days ago | 1 author, 3 changes | 0 exceptions
44             public void Index<T>(List<T> models)
45                 where T : class, IIndexable
46             {
47                 var response = _client.IndexMany(
48                     models,
49                     new IndexName().Name = models.First().Index.ToLower(),
50                     TypeName.Create(models.First().Type));
51
52                 _loggingService.Debug($"Index call is valid {response.IsValid} with errors: {response.Errors}. \nApi call success: {response.ApiCall.Success}.", response);
53             }
54         }
55     }

```



Søgning

KilroyPortal - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Tools Test ReSharper Analyze Window Help

Debug Any CPU WindowsServices.DocumentIndexer Start

Program.cs DocumentIndexerService.cs

C# KilroyPortal.WindowsServices.DocumentIndexer KilroyPortal.WindowsServices.DocumentIndexer.Program

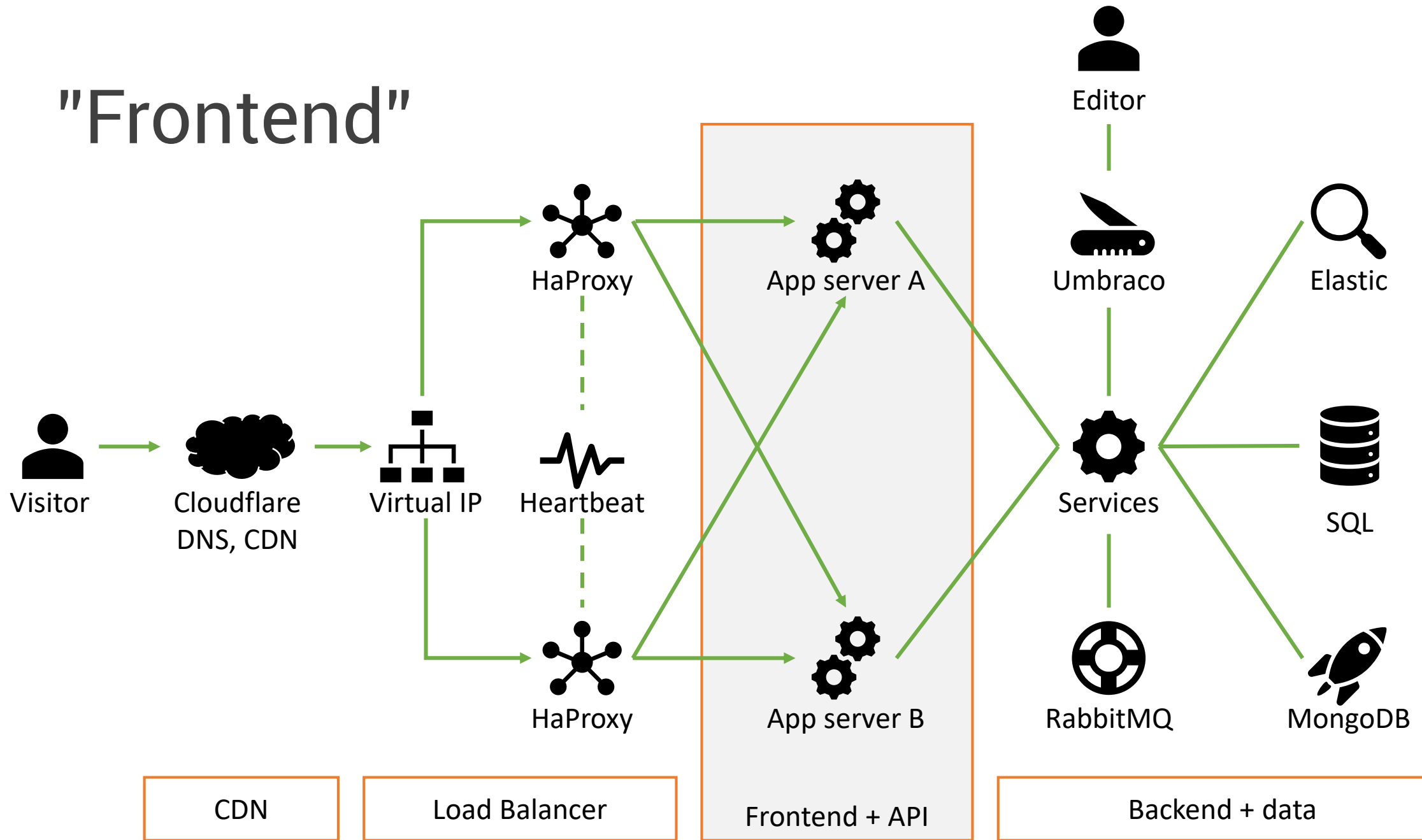
```
1 using KilroyPortal.Bootstrapper;
2 using KilroyPortal.Contracts.Interfaces.DataPreparation;
3 using Topshelf;
4 using Topshelf.SimpleInjector;
5
6 namespace KilroyPortal.WindowsServices.DocumentIndexer
7 {
8     0 references | Christopher Maigaard, 198 days ago | 1 author, 1 change
9     public class Program
10    {
11        0 references | Christopher Maigaard, 198 days ago | 1 author, 1 change | 0 exceptions
12        public static void Main(string[] args)
13        {
14            var bootstrapper = new WindowsServiceBootstrapper();
15            bootstrapper.Build();
16
17            HostFactory.Run(config =>
18            {
19                config.UseSimpleInjector(bootstrapper.GetContainer());
20                config.Service<IDocumentIndexerService>(s =>
21                {
22                    s.ConstructUsingSimpleInjector();
23                    s.WhenStarted(service => service.Start());
24                    s.WhenStopped(service => service.Stop());
25                });
26                config.RunAsLocalSystem();
27
28                config.SetDescription("Kilroy_DocumentIndexer Topshelf Host");
29                config.SetDisplayName("Kilroy_DocumentIndexer");
30                config.SetServiceName("Kilroy_DocumentIndexer");
31            });
32        }
33    }
```

Console apps

Kilroy_DocumentIndexer

```
Configuration Result:
[Success] Name Kilroy_DocumentIndexer
[Success] Description Kilroy_DocumentIndexer Topshelf Host
[Success] ServiceName Kilroy_DocumentIndexer
Topshelf v4.0.0.0, .NET Framework v4.0.30319.42000
2017-09-15 13:41:14.8803|INFO|DocumentIndexerService|Started DocumentIndexerService
The Kilroy_DocumentIndexer service is now running, press Control+C to exit.
```

"Frontend"





```

1 @model Document
2 @{
3     var title = "404 - BENNS";
4
5     if(Model != null && Model.Seo != null && !string.IsNullOrEmpty(Model.Seo.MetaTitle))
6     {
7         title = Model.Seo.MetaTitle;
8     }
9     else if(Model != null)
10    {
11        title = Model.Name + " - BENNS";
12    }
13
14    var shorthandLang = !string.IsNullOrEmpty(Configuration.ShorthandLanguage)
15        ? Configuration.ShorthandLanguage
16        : "en";
17 }
18 <!DOCTYPE html>
19 <html lang="@Configuration.Culture" data-shorthand-lang="@shorthandLang">
20 <head>
21     <meta charset="utf-8">
22     <meta http-equiv="X-UA-Compatible" content="IE=edge">
23     <title>@title</title>
24     <meta name="viewport" content="width=device-width, initial-scale=1">
25     @if (Model.Seo != null)
26     {
27         @await Component.InvokeAsync("Seo", Model)
28     }
29     @if (Model.OpenGraph != null)
30     {
31         @await Component.InvokeAsync("OpenGraph", Model)
32     }
33     @await Component.InvokeAsync("Header", Model)
34     <noscript id="
35         <link rel=
36     </noscript>
37     <link rel="sty
38     <script>...</s
39     @await Component.InvokeAsync("GTMDDataLayer", Model)
40     @await Component.InvokeAsync("GoogleTagManager", false)
41 </head>
42 <body>
43     @await Component.InvokeAsync("GoogleTagManager", true)
44     @await Component.InvokeAsync("Header")
45     @RenderBody()

```

Hardcoded ugliness!
Tsk tsk ☹

@await Component.InvokeAsync("Header")

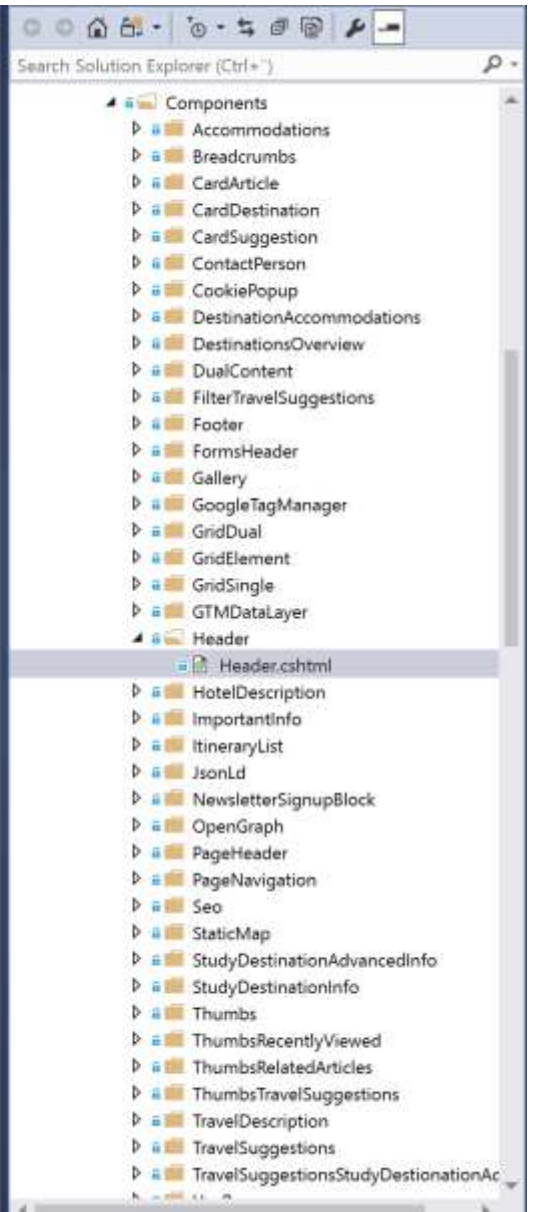
Solution 'Web' (12 projects)

- Modules
 - Kilroy.Frontend.Core.Configuration
 - Kilroy.Frontend.Core.Extensions
 - Kilroy.Frontend.Core.Models
 - Kilroy.Frontend.Core.MongoDB.Serializers
 - Kilroy.Frontend.Core.Repositories
 - Kilroy.Frontend.Core.Routing
 - Kilroy.Frontend.Core.Sitemap
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 - images
 - less
 - Models
 - Repositories
 - scripts
 - Views
 - .jscsrc
 - .jshinttrc
 - appsettings icon

```

1  @model HeaderViewModel
2  <div id="mobile-navigation-offscreen" class="mobile-navigation-offscreen">
3      <!--<div id="mobile-search" class="mobile-search">
4          <button id="mobile-navigation-close" class="mobile-navigation-close">
5              @Translations.Get("Benns.Navigation.MobileNavigation.Close")
6              <span class="mobile-navigation-close_lines"></span>
7          </button>
8      </div-->
9      <div class="mobile-navigation-offscreen-cta">
10         <a href="tel:@Model.CurrentSection.PhoneNumber" class="mobile-navigation-offscreen-cta_phone">
11             <svg class="icon icon--phone">
12                 <use xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="/icons/icons.svg#icon--phone"></use>
13             </svg>
14             <span>@Model.CurrentSection.PhoneNumber</span>
15         </a>
16         <div class="mobile-navigation-offscreen-cta_opening-hours">@Model.CurrentSection.Footer.OpeningHours</div>
17         @if (!string.IsNullOrEmpty(Model.CurrentSection.ContactPersonLink))
18         {
19             <a href="@Model.CurrentSection.ContactPersonLink" class="mobile-navigation-offscreen-cta_button button button--highlighted button--large">@Translations.Get
20         }
21     </div>
22 </div>
23 <div id="mobile-navigation" class="mobile-navigation">
24     <div id="mobile-navigation-sticky" class="mobile-navigation-sticky">
25         <button id="mobile-navigation-trigger" class="mobile-navigation-trigger">
26             <span class="mobile-navigation-trigger_text mobile-navigation-trigger_text--close">@Translations.Get("Benns.Navigation.MobileNavigation.Close")</span>
27             <span class="mobile-navigation-trigger_text mobile-navigation-trigger_text--open">@Translations.Get("Benns.Navigation.MobileNavigation.Menu")</span>
28             <span class="mobile-navigation-trigger_lines"></span>
29         </button>
30         <!--<button class="mobile-search-trigger">
31             <svg
32                 <svg class="mobile-search-trigger_icon icon icon--search">
33                     <use xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="/icons/icons.svg#icon--search"></use>
34                 </svg>
35             </button-->
36     </div>
37     <a href="/" class="mobile-logo">
38         <svg version="1.1" id="Layer_1" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink" x="0px" y="0px"
39             viewBox="0 0 336.7 120.6" enable-background="new 0 0 336.7 120.6" xml:space="preserve">
40             <g>...</g>
41         </svg>
42     </a>
43     <a href="tel:@Model.CurrentSection.PhoneNumber" class="mobile-contact-phone">
44         <svg class="mobile-contact-phone_icon icon icon--phone">
45             <use xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="/icons/icons.svg#icon--phone"></use>
46         </svg> @Model.CurrentSection.PhoneNumber
47     </a>
48 </div>

```



```

1  @model GalleryViewModel
2  <div class="gallery @Model.Class">
3      <div class="gallery-thumbnails">
4          <div class="gallery-thumbnails__label">@Translations.Get("Benns.Gallery.ViewMore")</div>
5          <div class="gallery-thumbnails-list">
6              @foreach(var image in Model.Images.Skip(1).Take(3))
7              {
8                  <div class="gallery-thumbnails-list__item">
9                      
14              @foreach(var image in Model.Images)
15              {
16                  <div class="gallery-image-container" data-src="@image.Url" data-alt="@image.AlternateText"
17                  }
18              </div>
19          </div>
20      </div>

```

```

4      var imageUrl = $"{item.image.value.gridUrl}";
5      var focalPoint = $"{item.image.value.focalPoint.top.ToString().Replace(",", ".")},{item.image.value.f
6      }
7
8      <div class="grid-element grid-element--media">
9          <figure>
10             
14             @if(!string.IsNullOrEmpty(item.alternativeText.value.ToString()))
15             {
16                 <figcaption>@item.alternativeText.value</figcaption>
17             }
18         </figure>

```

```

5 using MongoDB.Driver;
6 using System;
7 using System.Collections.Generic;
8 using System.Linq;
9 using MongoDB.Bson;

10
11 namespace Kilroy.Frontend.Core.Repositories.Repositories
12 {
13     public class DocumentMongoRepository : MongoRepositoryAbstract<Document>, IDocumentRepository
14     {
15         public DocumentMongoRepository(
16             ICachingService cachingService,
17             IConfigurationItemService configurationItemService)
18             : base(cachingService, configurationItemService)
19         {
20             Keys.Add(x => x.DataProvider + x.DataProviderId);
21             Keys.Add(x => x.Domain + x.RelativeUrl);
22         }
23
24         public Document GetByRelativeUrlAndDomain(string relativeUrl, string domain)
25         {
26             var builder = Builders<Document>.Filter;
27             var filter = builder.Eq(x => x.RelativeUrl, relativeUrl) & builder.Eq(x => x.Domain, domain);
28             var document = GetByFilter(filter);
29
30             return document;
31         }
32
33         public Document GetDataProvider(string dataProvider, int dataProviderId)
34         {
35             // ...
36         }
37
38         public override void Save(Document obj)
39         {
40             // ...
41         }
42
43         public IEnumerable<Document> GetByMarket(string market)
44         {
45             // ...
46         }
47
48         public IEnumerable<Document> GetRelated(params DataProviderItemIdentifier[] ids)
49         {
50             // ...
51         }
52
53         IMongoDatabase IDocumentRepository.GetDatabase()
54         {
55             // ...
56         }
57     }
58 }

```

Search Solution Explorer (Ctrl+)

Solution 'Web' (12 projects)

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 - Kilroy.Frontend.Core.Extensions
 - Kilroy.Frontend.Core.Models
 - Kilroy.Frontend.Core.MongoDB.Serializers
 - Kilroy.Frontend.Core.Repositories**
 - Dependencies
 - Properties
 - Logic
 - Repositories**
 - Services
 - ConfigurationManager.cs
 - DependencyInjectionRegistration.cs
 - Kilroy.Frontend.Core.Routing
 - Kilroy.Frontend.Core.Sitemap
 - Kilroy.Frontend.Core.SiteSettings
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- SeleniumTest
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 - Config
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 - html
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 - images

```
public class Destination : Document, IMarketSpecificDestination
{
    public int GeneralDestinationId { get; set; }
    public string AirportCode { get; set; }

    public int DefaultCarPickupAndDropoffLocation { get; set; }

    public string Latitude { get; set; }
    public string Longitude { get; set; }
    public string LocationType { get; set; }

    public int MultimediaZoomLevel { get; set; }

    public int NavigatorDestinationId { get; set; }

    public int ZoomLevel { get; set; }
    public int ZoomLevelActiveMax { get; set; }
    public int ZoomLevelActiveMin { get; set; }

    public List<Image> Gallery { get; set; }
    public DestinationType DestinationType { get; set; }

    public override string CookieTitle => string.Empty;

    public Destination()
    {
    }

    protected Destination(string airportCode, int defaultCarPickupAndDropoffLocation, string latitude, string longitude, string locationType,
}
```



Find din rejse her

Filtrer på destination og rejsetype her

Rejseform



Fx. krydstogt eller kør-selv

Afrejsemåned



Fx. januar eller juli

Badeferie



maj 2018



Destination



Søg på kontinent

Kontinenter



Lande

Afrika

(0)

Asien

(2)

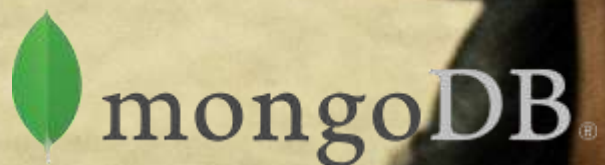
Nulstil



```
<!DOCTYPE html>
<html lang="da-DK" data-shorthand-lang="da">
  <#shadow-root (open)
    <head>...</head>
    <body>
      <noscript>...</noscript>
      <div id="mobile-navigation-offscreen" class="mobile-navigation-offscreen">...</div>
      <div id="mobile-navigation" class="mobile-navigation" style>...</div>
      <header id="site-header" class="site-header">...</header>
      <div class="page-header">...</div>
      <div class="usp-bar">...</div>
      <div class="thumbs travel-suggestions-with-filters" id="travel-suggestions-with-filters" data-json="{"market":"benns-dk","initUrl":"/api/search/filter","hideDestinationDropdown":false,"hideTravelTypeDropdown":false,"onlyDiscounted":false,"showHeader":true,"shouldRemoveIfEmpty":false,"hasQueryString":false,"settings":{},"isStudyTour":false}" data-scroll-title="Rejser" style>
        <div class="thumbs-header">...</div>
        <div id="travel-suggestions-filters" style>...</div>
        <div class="travel-suggestions-results-container" style="height: auto;">...</div>
        <div class="spinner spinner--frontpage" style="display: none;"></div>
      </div>
      <div class="mobile-sticky-cta">...</div>
      <div class="current-offers-wrapper">...</div>
      <div class="dual-content-section--blue ">...</div>
      <div class="newsletter">...</div>
      <footer class="site-footer">...</footer>
```



```
1  @{\n2      var url = $"{Configuration.ApiBase}/api/search/filter";\n3      if (Model.ContentType == DocumentTypes.BennsStudyTripFrontpage)\n4      {\n5          url = $"{Configuration.ApiBase}/api/search/filterstudytours";\n6      }\n7\n8      var jsonModel = new InitialFilterJsonModel(Configuration.Domain, url);\n9      jsonModel.IsStudyTour = Model.ContentType == DocumentTypes.BennsStudyTripFrontpage;\n10     var query = ViewContext.HttpContext.Request.Query;\n11     var queryString = ViewContext.HttpContext.Request.QueryString;\n12     var hasQueryString = queryString.HasValue;\n13\n14     if (Model.ContentType == DocumentTypes.BennsTravelTypeSubPage)...\n31    else if (Model.ContentType == DocumentTypes.BennsTravelTypeItem)...\n37    else if (Model.ContentType == DocumentTypes.BennsDestinationItem)...\n42    else if (Model.ContentType == DocumentTypes.BennsDestinationArea)...\n53    else if (Model.ContentType == DocumentTypes.BennsManualTourDiscountedList)...\n58\n59     var json = jsonModel.ToJson();\n60 }\n61\n62 <div class="thumbs travel-suggestions-with-filters" id="travel-suggestions-with-filters" data-json="@json" data-scroll-title="@Translations.Get("Benns.Filter.Navigation\n63     @if (jsonModel.ShowHeader)\n64     {\n65         <div class="thumbs-header">\n66             <div class="container">\n67                 @if(jsonModel.IsStudyTour)\n68                 {\n69                     <h2 class="thumbs-header__title">@Translations.Get("Benns.Filter.TitleStudy")</h2>\n70                 }\n71                 else {\n72                     <h2 class="thumbs-header__title">@Translations.Get("Benns.Filter.Title")</h2>\n73                 }\n74             </div>\n75         </div>\n76     }\n77 }
```



Robo 3T - 1.1

File View Options Window Help

KilroyPortal (1)

- Data
 - Collections (21)
 - BennsArticleItem
 - BennsThemeTour
 - BennsTravelTypeSubPage
 - Canonical
 - Destination
 - Document
 - Entity
 - Form
 - Localization
 - Mail
 - NewsletterDocument
 - Redirect
 - Report
 - StudyTourCard
 - Tour
 - TourCard
 - TourDocument
 - TravelType
 - UmbracoChange
 - VideoUsage
 - ZipCode
 - Functions
 - Users

Welcome x db.getCollection('Document').... x

KilroyPortal 10.0.55.151:27017 Data

```
db.getCollection('Document').find({"Name": "visa"})
```

Document 0.009 sec.

Key	Value
(1) UUID("f2659189-a12c-4400-9f50-5b751374d75c")	{ 26 fields }
_id	UUID("f2659189-a12c-4400-9f50-5b751374d75c")
_t	[2 elements]
CreatedOn	2017-06-23 10:41:04.156Z
SortOrder	2
Deleted	false
DataProvider	Umbraco
DataProviderId	3917
Hidden	false
Name	visa
RelativeUrl	/forms/visa
PreviousUrls	null
Domain	benns-dk
ContentType	bennsAustralianVisaForm
Path	[4 elements]
Seo	[5 fields]
OpenGraph	[5 fields]
Breadcrumbs	[2 elements]
Title	Australian Visa
IntroText	null
ReceiptSubject	null
EmailReceipt	null
EmailText	null

Server http://10.0.55.157:9200/

```
1 //BennsKilroy
2 GET _search
3 {
4   "query": {
5     "query_string": {
6       "query": "6915",
7       "fields": ["dataProviderId"]
8     }
9   }
10 }
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
```

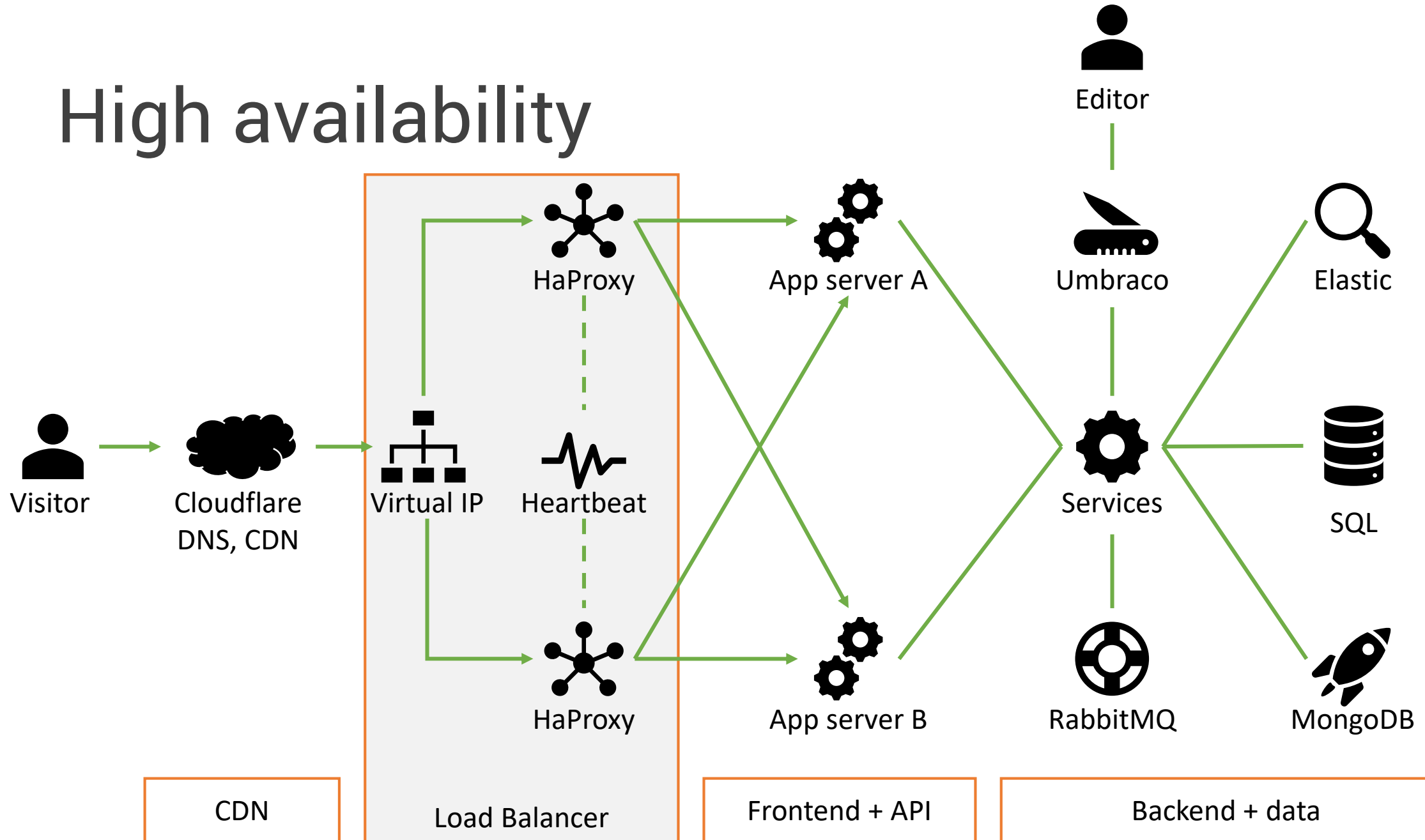
```
1 {
2   "took": 11,
3   "timed_out": false,
4   "_shards": {
5     "total": 20,
6     "successful": 20,
7     "failed": 0
8   },
9   "hits": {
10    "total": 1,
11    "max_score": 1,
12    "hits": [
13      {
14        "_index": "benns-dk_blue",
15        "_type": "tourcard",
16        "_id": "0cd7db9b-fc9c-480d-bd73-ca6bcf0d87a2",
17        "_score": 1,
18        "_source": {
19          "id": "0cd7db9b-fc9c-480d-bd73-ca6bcf0d87a2",
20          "market": "benns-dk",
21          "dataProviderId": 6915,
22          "dataProvider": "Umbraco",
23          "name": "Space trip2",
24          "travelTypes": [
25            {
26              "id": 66,
27              "name": "Cykel ferie"
28            }
29          ],
30          "descriptionHeader": "En vild flyve tur for alle",
31          "description": "<p>Kom og få en fantastisk oplevelse</p>\n<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut  
ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum  
Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</p>",
32          "durationSummary": "14 dage",
33          "price": {
34            "amount": 600,
35            "currency": "DKK"
```

Frontend datagrundlag



Why not Angular 2

High availability



High availability og CI



[Projects](#) | ▾[Changes](#)[Agents](#) 2 [Build Queue](#) 0

▼ Kilroy | ▾

▼ Portal CI | ▾

[refs/heads/qa](#) #1.0.735-qa Tests passed: 68 | ▾[refs/heads/release](#) #1.0.718-release Tests passed: 67 | ▾

▼ Frontend - Bennis | ▾

[refs/heads/qa](#) #2.0.460-qa Success | ▾[refs/heads/release](#) #2.0.450-release Success | ▾

▼ Frontend - Kilroy | ▾

[refs/heads/qa](#) #2.0.42-qa Success | ▾[refs/heads/release](#) #2.0.35-release Success | ▾

▼ HTML - Frontend - Kilroy | ▾

#2.0.51-qa Success | ▾



PORTAL

Kilroy Portal

Create release

- Overview
- Process
- Variables
- Triggers
- Channels
- Releases
- Settings

Channel: QA

1.0.735

1.0.734

Task summary

Task log

Deployment process



1. Ensure deploy to inactive environment

Run a script across targets in roles: **api-server**

Only in: **QA Blue** **QA Green** **Production Blue** **Production Green**



2. Maintenance begin notification

Run a script on the Octopus Server

Only in: **Production**



3. SQL Database

Deploy package **KilroyPortal.SqlDatabase** from **Octopus Server (built-in)** to machines in roles: **umbraco-server**

Only in: **Development** **QA** **Production**



4. WindowsService DocumentIndexer

Deploy Windows Service using package **KilroyPortal.WindowsServices.DocumentIndexer** from **Octopus Server (built-in)** to machines in roles: **windows-service-server**

Only in: **Development** **QA** **Production**



5. WindowsService LocalizationUpdater

Deploy Windows Service using package **KilroyPortal.WindowsServices.LocalizationUpdater** from **Octopus Server (built-in)** to machines in roles: **windows-service-server**

Production Green

Deploy

✓ 1.0.718-release--1
August 24th 2017

Deploy

1.0.716-release
August 23rd 2017

Hvad kan vi gøre bedre?

- Font preload
- Mindre JS
- Bedre *føling* med site i backend
- Endnu mere *ajax*
- Mere real user monitoring



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