



EPISERVER

Automatic Blog Hierarchy



Allan Thraen | 7 Months Ago | PDF | 4 | 11 Shares | f | t | p | e | i | n

Here's another little trick I use on this blog. Whenever a new blog post is created, it will automatically build a year/month hierarchy of list pages and place the blog post accordingly.

"The best developers are lazy developers". That's at least what I try to tell myself. Or maybe "lazy" isn't the right term to describe it. Fact is, when a task is tedious and boring I end up postponing it so long it never gets done. If it's interesting and challenging I can spend hours on it forgetting the world around me. And fewer things are more boring than building up a content hierarchy.

Anyone who's tried life as an editor in Episerver CMS knows that everything is just better if you have a good content hierarchy. Or at least not a flat hierarchy with too much content. And since I'm of course preparing to scale this blog to a gazillion blog posts, it's important to have the right structure from the start. It looks something like this:

CodeArt
Blog
Rss Feed
2018
9
8
Starting out on my o...
6

A blog root, with yearly list pages, below them monthly lists and below them the actual blog posts. Now, instead of the incredibly tedious task of creating a new monthly listing page *EVERY MONTH* I coded a solution...because...

Allan would rather spend hours writing a program to estimate the amount of sodas in the fridge, than to walk into the kitchen, open it and notice there are none.

— Lars (my dad), approx. 1990 - Allan 10-11 years old. Must have been QBasic on a '286 :-)

It's an initialization module that listen for when a new blog post is created as a child to the blog root. It's then moved to the appropriate place in the structure - which in turn is created if needed. Here is the code for your enjoyment.

```

1 using System;
2 using System.Linq;
3 using Episerver.Framework;
4 using Episerver.Framework.Initialization;
5 using Episerver.ServiceLocation;
6 using Episerver.Core;
7 using AllanTech.Web.Models.Pages;
8 using Episerver;
9 using AllanTech.Web.Helpers;
10 using System.Web.Mvc;
11 using System.Globalization;
12
13 namespace AllanTech.Web.Business.Initialization
14 {
15     /// <summary>
16     /// Place new blog posts the right place.
17     /// </summary>
18     [InitializableModule]
19     [ModuleDependency(typeof(Episerver.Web.InitializationModule))]
20     public class BlogInit : IInitializableModule
21     {
22         private IContentRepository repo { get; set; }
23
24         public void Initialize(InitializationEngine context)
25         {
26             //Add initialization logic, this method is called once after CMS has been initial:
27             context.InitComplete += Context_InitComplete;
28         }
29
30         public BlogInit()
31         {
32         }
33     }
34
35     private void Context_InitComplete(object sender, EventArgs e)

```

Blog posts

2019

April

March

February

January

2018

December

November

October

September

August

June

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About Allan

I'm a freelance software architect / developer and Episerver expert (EMVP) based in Copenhagen Denmark. I've worked for Episerver for more than 10 years before going freelance and understand both your business needs as well as the technical possibilities.



I love solving real business problems with innovative and creative coding!

Learn more about my skills and specialities, reach out to me at info@codeart.dk or use this form to contact me.



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```
36 {
37     this.repo = ServiceLocator.Current.GetInstance<IContentRepository>();
38     var events = ServiceLocator.Current.GetInstance<IContentEvents>();
39     events.CreatingContent += Events_CreatingContent;
40 }
41
42 private void Events_CreatingContent(object sender, EPiServer.ContentEventArgs e)
43 {
44     if(e.Content is BlogPostPage)
45     {
46         //Check location. Create correct location and put it there.
47         var blogroot = ContentHelpers.GetStartPage().BlogRoot;
48         if (e.Content.ParentLink == blogroot.ToReferenceWithoutVersion())
49         {
50             //Created on the blog root, place properly
51             //Handle Year
52             var yearpage=repo.GetChildren<ListPage>(blogroot).Where(lp => lp.Name == C
53             if (yearpage == null)
54             {
55                 var p=repo.GetDefault<ListPage>(blogroot);
56                 p.Name = DateTime.Now.Year.ToString();
57                 yearpage=repo.Save(p, EPiServer.DataAccess.SaveAction.Publish);
58             }
59             //Handle Month
60             string fullMonthName =DateTime.Now.ToString("MMMM", CultureInfo.InvariantC
61             var monthpage = repo.GetChildren<ListPage>(yearpage).Where(lp => lp.Name ==
62             if (monthpage == null)
63             {
64                 var p = repo.GetDefault<ListPage>(yearpage);
65                 p.Name = DateTime.Now.Month.ToString();
66                 p.Title = DateTime.Now.ToString("MMMM", CultureInfo.InvariantCulture);
67                 monthpage = repo.Save(p, EPiServer.DataAccess.SaveAction.Publish);
68             }
69             e.Content.ParentLink = monthpage;
70         }
71     }
72 }
73
74 public void Uninitialize(InitializationEngine context)
75 {
76 }
77 }
78 }
```

CodeArt

Routing in Episerver Modules

Error: No parameterless constructor defined for this object

EPISERVER

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Next Post
Error: No parameterless constructor defined for this object

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