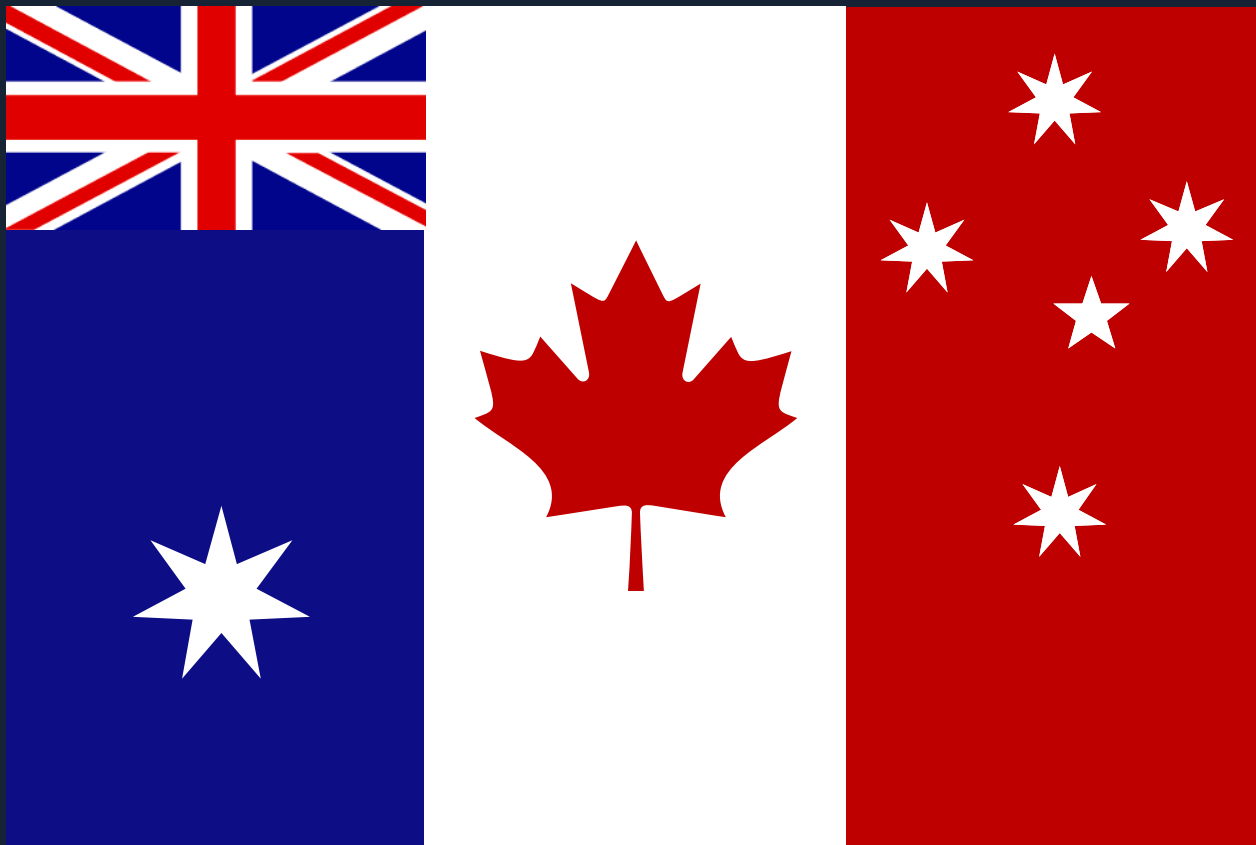




Codegarden'18 | The official Umbraco Conference



Stephan
@zpqrtbnk

Facebook is Great

Shannon
@shazwazza



8 is Great

Shannon Deminik @shazwazza
Stéphane Gay @zpqrtnk



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Let me see it !

In Real Life



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NOW
BREWING

(you have been warned)



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V7 vs V8

Lets compare some stats



V7 vs V8

	V7	V8	
# src files	5,854	4,877	17% less
Size of src files	36.4 MB	31.6 MB	14% less
Lines of code	195,605	162,444	17% less
Size of zip build	19.5 MB	25.3 MB	
Size of nuget build	10.5 MB	10.2 MB	
# of csproj	16	7	57% less
# of build warnings	3,222	140	95% less

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Latest and greatest libraries

Some worthwhile mentions

- .NET Framework 4.7.2
- NPoco
- LightInject
- *(latest versions of everything)*

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A new Examine

We've finally made it to Lucene 3

Examine 1.0

- What happened to 2.0 ?
- Improved Fluent API
- Register your own field types
- Config-less indexes
- No more XML bottlenecks
- Lucene 3.0.3
- No media cache!

Lets build!

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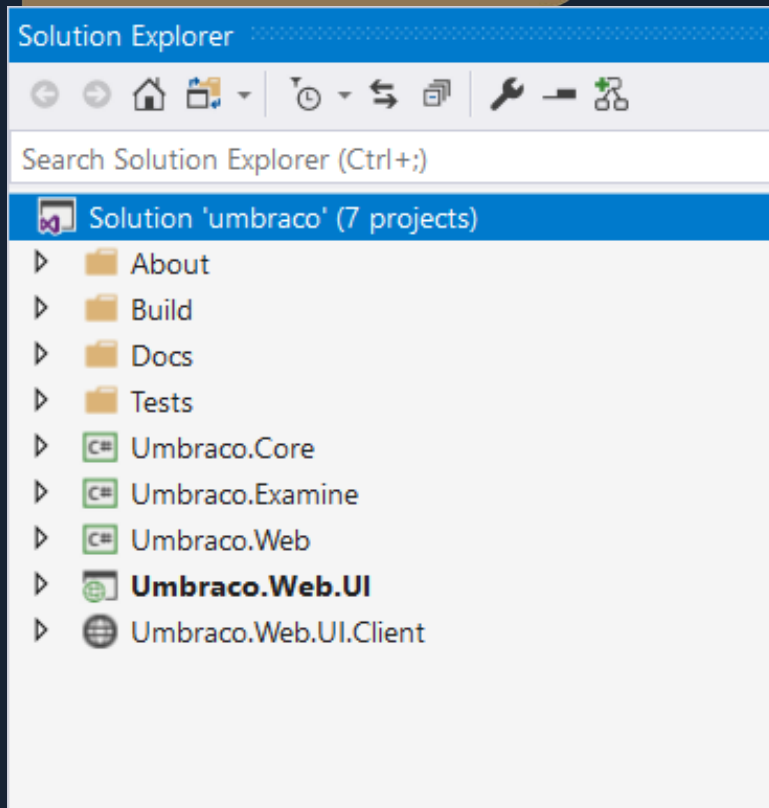


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Solution

Problem

```
1 using System;
2 using System.ComponentModel;
3 using System.Web.UI;
4 using System.Web.UI.WebControls;
5
6 [assembly: WebResource("Wallace.Web.Controls.Validators.Resources.validators.js", "text/javascript")]
7 namespace Wallace.Web.Controls.Validators
8 {
9     /// <summary>
10     /// The control input controls value without case-sensitive
11     /// </summary>
12     [WebResource("Wallace.Web.Controls.Validators.Resources.validators.js", "text/javascript")]
13     [DefaultProperty("Name")]
14     public sealed class CompareValidator : BaseValidator
15     {
16         private static readonly string _scriptBlockKey = "__StringMatchValidatorCode";
17         private string _controlToValidateClientId;
18         private string _controlToCompareClientId;
19
20         /// <summary>
21         /// The control you want to compare with
22         /// </summary>
23         public string ControlToCompare
24         {
25             get;
26             set;
27         }
28
29         /// <summary>
30         /// Set this property to true when the control is in an ajax panel
31         /// </summary>
32         public bool EmbeddedInAjaxPanel
33         {
34             get;
35             set;
36         }
37     }
38 }
```



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Modularity

Components and DI




```
[DefaultPropertyValueConverter]
public class TagsValueConverter : PropertyValueConverterBase
{
    private readonly IDataTypeService _dataTypeService;

    public TagsValueConverter(IDataTypeService dataTypeService)
    {
        _dataTypeService = dataTypeService ?? throw new ArgumentNullException(nameof(dataTypeService));
    }
}
```

```
        assembliesWithErrors.Add(a);  
    }  
    catch (Exception ex)  
    {  
        //if an exception occurs it means that a referenced assembly  
        errors.Add(  
            string.Concat("This package could not be verified  
                           assemblyName.Name,  
                           "" see error log for full details.")  
        );  
        assembliesWithErrors.Add(a);  
        Current.Logger.Error<PackageBinaryInspector>("An error  
    }  
}
```

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NuCache

Forever Nu

-  Logs
-  Models
-  packages
-  TEMP
-  NuCache.Content.db
-  NuCache.Content.tlog
-  NuCache.Media.db
-  Umbraco.sdf

-  Logs
-  Models
-  packages
-  TEMP
-  umbraco.config
-  Umbraco.sdf

Published Status

You are running the brand new NuCache!

NuCache says: I'm feeling good, really. Database cache is ok. ContentStore has 1 generation, 0 snapshot and 21 entries. MediaStore has 1 generation, 0 snapshot and 12 entries.

This lets you refresh the status, or collect snapshots (after running a CLR GC).

Refresh

Collect

This lets you rebuild the database cache (status above), ie the content of the cmsContentNu table. Rebuilding can be expensive.

Rebuild

This lets you reload the in-memory and local file cache by entirely reloading it from the data in the cmsContentNu table, but it does not rebuild that table. This is relatively fast. Triggers the reload on all servers in an LB environment.

Reload



Markup

Lets have a look at some razor code



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Contributing

Very exciting opportunity



Volatile = Flexible

The v8 codebase is in a state of flux.

We are still designing APIs...

And the community can too! 😊



You can break things!

We have a unique opportunity
to break backwards
compatibility.



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More flexibility

Contributing Reloaded



How to get started?



Are you ready? We'll show you the way!



What's left to do?

- Lots!
- Bug fixes
- Remaining features
- Cleanup
- Testing
- Eco system

Some examples....

- Angular upgrade (latest 1.x)
- Nuget package structure
 - UmbracoCms, UmbracoCms.Web, UmbracoCms.Core
- Permissions by language
- No build warnings
- More cleanup

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.NET Core

When?

10:50	MOSCOW/SVO
11:05	EDINBURGH
11:05	LONDON/LHR
11:10	BUCHAREST/OTP
11:30	KIEV/BORISPOL
11:35	DUBLIN
11:45	EAST MIDLANDS
12:15	SOFIA
12:30	LONDON/LGW
12:30	NEWCASTLE
12:40	ST PETERSBURG
12:40	LONDON/LGW
12:45	MANCHESTER

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Thank you.