Tips and Tricks Optimizely (Episerver)

SECRET DEBUG TOOLS IN OPTIMIZELY CMS 12



Secret treasures are always fun. And when I was examining the endpoint list from my previous post, I noticed a few hints that I couldn't leave unexplored. It turns out that just as the previous versions, Optimizely CMS 12 comes with a couple of hidden debug gems.

There is a DebugController with a few, but pretty useful listings included out-of-the-box in the CMS. However, in order to see them your user has to be "Administrators". Now, with the default IdentityProviders and not so many out-of-the-box VirtualRoles, that's not what my user was, but since it's just a string check on roles, it was easily fixed by creating a group in Admin mode called "Administrators" and adding my user there.

Tool to see registered menu providers

On the route: /episerver/shell/debug/menu

I found this practical list:

```
## Section Control Form | "Quicks/coms", Text: "CDS", Grz: "#glock_com_row", Sections: "-110")

- Later Text
- Control
- Contr
```

FileVersions

And sometimes it can also be pretty useful to know exactly which versions of the various assemblies are loaded. Like you can see here:

/episerver/shell/debug/ShowFileVersions

It looks like this:

Assemblies Information View

Rumber of Assemblies: 250			
Qualify Assembly Name	FileVersion	AssemblyVersion .	Location
EntityFramework.SqlServer, Version=6.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089	6.400.420.21404	6.0.0.0	C:\GitHub\Digizuite.Optimizely\src\A
EntityFramework, Version=6.0.0.0, Culture=neutral, PublicKeyToken=b77aSc561934e089	6.400.420.21404	6.0.0.0	C:\GitHub\Digizuite.Optimizely\src\A
Microsoft.AspNetCore.Watch.BrowserRefresh, Version=5.0.401.0, Culture=meutral, PublicReyTokon=adb9793829ddae60	5.4.121.42440	5.0.401.0	C:\Program Files\dotnet\SDK\5.0.401 servicing.21424.40\tools\net5.0\any
System.Text.Encodings.Web, Version=5.0.0.1, Culture=neutral, PublicKeyToken=cc7b13ffcd2ddd51	5.0.1021.41214	5.0.0.1	C:\Program Files\dotnet\shared\Micr
System.IO.Pipelines, Version=5.0.0.1, Culture=neutral, PublicKeyToken=cc7bl3ffcd2ddd51	5.0.120.57516	5.0.0.1	C:\Program Files\dotnet\shared\Micr
System.Diagnostics.EventLog, Version=5.0.0.1, Culture=neutral, PublicKeyToken=cc7b13ffcd2ddd51	5.0.321.7212	5.0.0.1	C:\Program Files\dotnet\shared\Micr
Microsoft.Extensions.DependencyInjection, Version=5.0.0.1, Culture=neutral, PublicKeyToken=adb9793829ddae60	5.0.821.31504	5.0.0.1	C:\Program Files\dotnet\shared\Micr
System.Xml.XPath, Version=5.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f1ld50a3a	5.0.1021.41214	5.0.0.0	C:\Program Files\dotnet\shared\Micr
System.Xml.XmlSerializer, Version=5.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f1ld50a3a	5.0.1021.41214	5.0.0.0	C:\Program Files\dotnet\shared\Micro
System.Xml.XDocument, Version=5.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a	5.0.1021.41214	5.0.0.0	C:\Program Files\dotnet\shared\Micro
System.Xml.ReaderWriter, Version=5.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f1ld50a3a	5.0.1021.41214	5.0.0.0	C:\Program Files\dotnet\shared\Micro
System.Web.HttpUtility, Version=5.0.0.0, Culture=neutral, PublicReyToken=cc7bl3ffcd2ddd51	5.0.1021.41214	5.0.0.0	C:\Program Files\dotnet\shared\Micro
System.Transactions.Local, Version=5.0.0.0, Culture=neutral, PublicKeyToken=cc7b13ffcd2ddd51	5.0.1021.41214	5.0.0.0	C:\Program Files\dotnet\shared\Micro
System.Threading.Timer, Version=5.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a	5.0.1021.41214	5.0.0.0	C:\Program Files\dotnet\shared\Micro
System.Threading.ThreadPool, Version=5.0.0.0, Culture=neutral. PublicKevToken=b03f5f7f1ld50a3a	5.0.1021.41214	5.0.0.0	C:\Program Files\dotnet\shared\Micro

TimeMeters

And finally we have classic listing of where the startup time was spent.

/episerver/shell/debug/ShowTimeMeters

 $\label{thm:condition} Very \ practical \ when \ optimizing \ for \ performance - although \ l \ must \ admit \ that \ everything \ running \ on \ .net \ 5 \ seems \ to \ be \ blazingly \ fast!$

EPiServer	ContentProviderInitialization	Initialize	37
Epiderver	InsureNemoteVersionTevInitialization	Initialize	19
EPiserver	Pluginimitialization	Initialize	16
EPiServer, Cms. AspNetCore. Templating	TemplateRegistrationInitializationNodule	Initialize	15
EDiServer	SiteDefinitionInitialization	Initiatire	14
EPiserver.Framework	servicecontainerInitialization	configurecontainer	14
EPiderver	CmsDataInitialization	Initialize	12
EPiServer.Framework	FrameworkInitialization	Initialize	11
EDiserver.Shell	ShellZipArchiveVirtualPathProviderModule	Initialize	9
EPiserver.Framework	InitializationEngine	OnInitComplete EPiServer.Initialization.Internal.OmeRuntimeInitialization+<>c	0
EPiServer.Shell.UI	InitializationNodule	Initialize	
EPiServer.ApplicationModules	DefaultTaskInformationStorageInitialization	Initialize	5
EPiserver.Events	EventsInitialization	Initialize	4
EPiserver	CmsRuntimeInitialization	Initialize	3

There is also another view for showing StructureMap services - but since it's not the default DI anymore I am not sure how useful it is.

Granted, it's not the full DeveloperTools which I'm looking forward to being released for CMS 12 - but it's a starting point.

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