Using Server.MapPath() inside a static field in ASPINET MVC

Ask Question



I'm building an ASP.NET MVC site where I'm using Lucene. Net for search queries. I asked a question here about how to properly structure Lucene. Net usage in an 108 ASP.NET MVC application and was told that the best method is to declare the my IndexWriter as public static, so that it can be re-used.



Here is some code that is at the top of my 12 SearchController:

```
public static string IndexLocation = Server.MapPath("~/lucene");
public static Lucene.Net.Analysis.Standard.StandardAnalyzer analyzer = new
Lucene.Net.Analysis.Standard.StandardAnalyzer();
public static IndexWriter writer = new IndexWriter(IndexLocation, analyzer);
```

As writer is static, IndexLocation must also be static. Thus, the compiler is giving me the following error for Server.MapPath():

An object reference is required for the non-static field, method, or property 'System.Web.Mvc.Controller.Server.get'

Is there a way of using Server.MapPath() or something similar from a static field? How can I fix this error?

```
asp.net-mvc static lucene.net server.mappath
```



Uwe Keim

27.8k 32 138 217

asked Sep 25 '10 at 23:32



Maxim Zaslavsky **10.4k** 29 94 164

Home

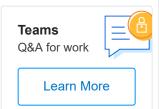
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2 Answers



Try HostingEnvironment.MapPath , which is static .

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See this SO question for confirmation that

HostingEnvironment.MapPath returns the same value as

Server.MapPath: What is the difference between

Server.MapPath and HostingEnvironment.MapPath?



edited May 23 '17 at 12:10



Community ◆

1 1

answered Sep 25 '10 at 23:58



Jeff Ogata

45.5k 17 99 123

This function gave me an error as the result returbed by HostingEnvironment.MapPath is not the same as Server.MapPath, the latter returns an absolute url not a relative url – John Jun 25 '14 at 13:16

@john, I get the same value for both. – ps2goat Sep 16 '14 at 5:40



I think you can try this for calling in from a class



-----Sorry I oversight, for static function already answered the question by adrift

System.Web.Hosting.HostingEnvironment.MapPath("~/Signature

Update

I got exception while using

System.Web.Hosting.HostingEnvironment.MapPath("~/Signature
Images/");

Ex details: System.ArgumentException: The relative virtual path 'SignatureImages' is not allowed here. at System.Web.VirtualPath.FailIfRelativePath()

Solution (tested in static webmethod)

System.Web.HttpContext.Current.Server.MapPath("~/Signature
Images/"); Worked

edited Oct 31 '13 at 12:31

answered Oct 26 '13 at 14:22



panky sharma

The only time I saw the error you mentioned in your update is when the code used a relative virtual path. For example, Server.MapPath() allows a path of "files/file1.doc". It uses the current context to determine the path of the current page, for example, and then creates the relative path from there. If we are in ~/Subfolder/Page1.aspx , the url would map from ~/Subfolder/files/file1.doc . The HostingEnviornment.MapPath() is static, and thus always requires the full virtual path, starting with the ~/ part of the url. – ps2goat Sep 16 '14 at 6:45