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How do I get the root directory of my ASP.NET server application?

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In the start-up code (ie no request) of my ASP.NET application I need to get the path to the root of my app. I need this to open a file I have in a folder off the root directory.



How can I get this?

[asp.net](#)

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asked Jul 16 '13 at 17:08

[David Thielen](#)

9,893 22 74 131

4 Answers



```
Server.MapPath("~/");
```

65

Will get you the root directory of the current application, as a path on the disk. E.g., C:\inetpub\...



Note that the ~ character can be used as part of web paths in ASP.NET controls as well, it'll fill in the URL to your application.

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If your class doesn't have Server property, you can use static

```
HttpContext.Current.Server.MapPath("~/")
```

edited Mar 23 '17 at 5:33



[Michael Freidgeim](#)

13.6k 6 91 115

answered Jul 16 '13 at 17:12



[debracey](#)

5,588 1 24 52

[HttpRuntime.AppDomainAppPath](#) is useful if you don't have a
HttpContext available.

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For example, a low-level library method to get a path relative to the
current application, and it has to work whether it is a web app or not:

```
private static string GetDataFilePath() => HttpRuntime.AppDomainAppV:  
    Path.Combine(HttpRuntime.AppDomainAppPath, "App_Data") :  
    Path.GetDirectoryName(Assembly.GetExecutingAssembly().Location);
```

edited Jun 22 '18 at 9:30

answered Jul 16 '13 at 17:13



[Christian Hayter](#)

26.9k 5 60 91

3 This is very useful when you cannot use HttpContext to get the Server
object – [Sam](#) Nov 12 '15 at 15:48

2 This method returned what I was looking for: The root URL of my

application running in IIS. `Server.MapPath` returns a file directory. –

[Chris - Haddox Technologies](#) Jan 10 '18 at 15:47



Another possibility is [AppDomain.CurrentDomain.BaseDirectory](#).

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Some additional ways: [Different ways of getting Path](#)



answered Aug 24 '17 at 9:02



[Christoph Wissing](#)

101 8



You can get this from `Server.MapPath` method.

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Here is the MSDN Link: [http://msdn.microsoft.com/en-us/library/ms524632\(v=vs.90\).aspx](http://msdn.microsoft.com/en-us/library/ms524632(v=vs.90).aspx)



answered Jul 16 '13 at 17:15



[TK1](#)

181 1 5 20
