

How to return 403 Forbidden response as IActionResult in ASP.NET Core

Asked 2 years, 2 months ago Active 1 month ago Viewed 26k times



I would like to return a 403 Forbidden to the client when trying to perform an invalid operation. What is the method I need to use?

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I searched over the internet but I found only these for MVC 5:



If the return type for your web api method is HttpResponseMessage then you need to use the below code:



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```
return Request.CreateErrorResponse(HttpStatusCode.Forbidden, "RFID is disabled for this site.");
```

Or if the return type for your web api method is IActionResult then you need to use the below code

```
return StatusCode(HttpStatusCode.Forbidden, "RFID is disabled for this site.");
```

How to return 403 for IActionResult type:

```
public IActionResult Put(string userid, [FromBody]Setting setting)
{
    var result = _SettingsRepository.Update(userid, setting);
    if (result == true)
    {
        return Ok(201);
    }
    else
    {
        return BadRequest();
    }
}
```

c#

asp.net-core

edited Apr 11 '18 at 11:12

asked Jul 14 '17 at 6:10

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4 Answers



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When you want to respond with a HTTP 403 status and *allow* ASP.NET Core's authentication logic to handle the response with its forbidden handling logic (can be configured in your `Startup` class, and may cause a redirect to another page), use:

```
return Forbid();
```

(same applies to `Unauthorized()`)

When you want to respond with a HTTP 403 status code from an API and *do not want* the ASP.NET Core authentication logic to perform any redirect or other action, use:

```
return StatusCode(403);
```

answered Dec 8 '17 at 6:26



[Bart Verkoeijen](#)

7,401 6 42 50

5 a little bit cleaner version is `return StatusCode((int)HttpStatusCode.Forbidden, messageOrSerializeableObject);` – [MovGP0](#) Feb 13 '18 at 11:49



8 Actually there is a simpler way than [@MovGP0](#) suggests `return StatusCode(StatusCodes.Status403Forbidden, <you object>);` – [Andrii](#) Jul 18 '18 at 8:50

I was looking how to setup things in Startup.cs as mentioned by Bart, here is an interesting thread: stackoverflow.com/questions/35656828/... – [barbara.post](#) Aug 24 '18 at 11:12

BTW, you can use `Forbid()` and suppress the redirect by overwriting the authentication events as described here - stackoverflow.com/a/42030138/968003. – [Alex Klaus](#) Dec 13 '18 at 3:44



Alternative to MstfAsan's answer is to use:

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It is a method on the controller base class that does the same thing.

Or

```
return StatusCode(403);
```

If you want to return a message, then you must use `StatusCode` .

edited Jul 14 '17 at 7:13

answered Jul 14 '17 at 7:06



[juunas](#)

27.7k 3 60 86

-
- 12 Note that in ASP.NET Core 2, returning a `ForbiddenResult` (as returned by `Forbidden`) will trigger some kind of interaction with the framework's authentication code and - if you haven't set up authentication in a way that the framework understands - throw the error *"No authenticationScheme was specified, and there was no DefaultChallengeScheme found."* If you don't want to integrate with ASP.NET Core's auth, stick to returning a `StatusCodeResult` to avoid this error. – [Mark Amery](#) Oct 25 '17 at 21:05
-
- 7 Using `Forbidden()` in an Api controller will try to redirect to Account/AccessDenied even after I changed the `DefaultForbiddenScheme`. Only `StatusCode(403)` seems to work correctly. – [eddy](#) Nov 12 '17 at 16:12
-



You can use `return new ForbiddenResult();` Class declaration is

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```
public class ForbiddenResult : ActionResult, IActionResult
```



For more specific usages visit <https://docs.microsoft.com/en-us/aspnet/core/api/microsoft.aspnetcore.mvc.forbidresult>

answered Jul 14 '17 at 6:55



[MstfAsan](#)

3,365 1 16 31



If you don't return `ActionResult` for response, you can use the following code :

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```
... // check logic  
...  
  
Response.StatusCode = 403;  
return new List<SomeModel>();  
}
```

edited Aug 22 at 10:06

answered Aug 22 at 6:19



MOH3N

608 6 9