

asp.net core static file caching doesn't work

Asked 1 year ago · Active 1 year ago · Viewed 575 times

I am using the Angular project template with ASP.NET Core. [Reference](#)

0 The caching should be enabled by default, to be sure I have added an StaticFileOptions object to the StaticfileMiddleware:

```
public class Startup
{
    ...
    app.UseStaticFiles(new StaticFileOptions
    {
        OnPrepareResponse = ctx =>
        {
            const int durationInSeconds = 60 * 60 * 24;
            ctx.Context.Response.Headers[HeaderNames.CacheControl] =
                "public,max-age=" + durationInSeconds;
        }
    });
    ...
}
```

Then I have created an test.html in wwwroot folder.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset=utf-8>
  <title>Test static files</title>
</head>
<body>
  This is a test for static files!
</body>
</html>
```

When I `dotnet run` and navigate to <https://localhost:5001/test.html> the page is displayed correctly.

[test.html](#)

After I change the html page, I click to google chrome's address bar and press enter, to issue another HTTP request to the test.html file. I have not reload the page.

[test.html after change](#)

You can see that the change is reflected by google chrome and I received an status 200 again

I am using: .NET Core SDK 3.1.201 and Chrome 80.0.3987.163.

[google-chrome](#) [asp.net-core](#) [caching](#) [.net-core](#)

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asked Apr 13 '20 at 17:42



[carboneum](#)

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Cache headers are not sent (or more appropriately, are overwritten) in development. – [Chris Pratt](#) Apr 13 '20 at 18:52

@Chris Pratt Thank you for your answer. I have changed the hosting environment for my asp.net project to production and build the angular app with production option but I receive the same result, the static file caching still doesn't work. – [carboneum](#) Apr 13 '20 at 19:38

1 Answer

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I found the solution. You have to trust the ASP.NET Core HTTPS development certificate. [Click here for details](#) and then run the application. Navigate to your static file. Open a new tab in Chrome. Open the Chrome DevTools by pressing F12. Type the URL into the address bar or copy and paste it from the previous tab. It works!

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answered Apr 14 '20 at 19:35



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