

## Twitter external login with Owin gives HTTP 403 (Forbidden)

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ASP.NET MVC 5 Project.  
Owin Version 4.0.0.0

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### Startup.Auth



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```
app.UseTwitterAuthentication(
    consumerKey: "somekey",
    consumerSecret: "someSecretKey");
```

The exception happened in the  
ExternalLogin method

Response status code does not  
indicate success: 403 (Forbidden).

Here are the callback URLs

**Callback URLs**

Where should we return after successfully authenticating? OAuth 1.0a applications must explain request token step. To restrict your application from using callbacks, leave this field blank.




**FYI:** the website is real and it is  
working without problem, The Twitter  
Login was working a couple of weeks  
ago, but Now, suddenly, started to fail  
with the previous error.

### StackTrace

```
[HttpRequestException: Response status code does not indicate success: 403 (Forbidden).]
  System.Net.Http.HttpResponseMessage.EnsureSuccessStatusCode() +121834
  Microsoft.Owin.Security.Twitter.<ObtainRequestTokenAsync>d__23.MoveNext() +2387
  System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31

System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task
task) +60
  Microsoft.Owin.Security.Twitter.<ApplyResponseChallengeAsync>d__12.MoveNext() +1091
  System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31

System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task
task) +60
  Microsoft.Owin.Security.Infrastructure.<ApplyResponseCoreAsync>d__b.MoveNext() +376
  System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31
```

```
System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) +60
    Microsoft.Owin.Security.Infrastructure.<ApplyResponseAsync>d__8.MoveNext() +475
    System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31

System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) +60
    Microsoft.Owin.Security.Infrastructure.<TeardownAsync>d__5.MoveNext() +215
    System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31

System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) +60
    Microsoft.Owin.Security.Infrastructure.<Invoke>d__0.MoveNext() +968
    System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31

System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) +60
    Microsoft.Owin.Security.Infrastructure.<Invoke>d__0.MoveNext() +768
    System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31

System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) +60
    Microsoft.Owin.Host.SystemWeb.IntegratedPipeline.<RunApp>d__5.MoveNext() +197
    System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31

System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) +60
    Microsoft.Owin.Security.Infrastructure.<Invoke>d__0.MoveNext() +768
    System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31

System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) +60
    Microsoft.Owin.Security.Infrastructure.<Invoke>d__0.MoveNext() +768
    System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31

System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) +60
    Microsoft.Owin.Security.Infrastructure.<Invoke>d__0.MoveNext() +768
    System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31

System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) +60
    Microsoft.Owin.Security.Infrastructure.<Invoke>d__0.MoveNext() +768
    System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31

System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) +60
    Microsoft.Owin.Security.Infrastructure.<Invoke>d__0.MoveNext() +768
    System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31

System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) +60
    Microsoft.Owin.Security.Infrastructure.<Invoke>d__0.MoveNext() +768
    System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31

System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) +60
    Microsoft.Owin.Security.Infrastructure.<Invoke>d__0.MoveNext() +768
    System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31

System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) +60
    Microsoft.AspNet.Identity.Owin.<Invoke>d__0.MoveNext() +448
    System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31

System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) +60
    Microsoft.AspNet.Identity.Owin.<Invoke>d__0.MoveNext() +448
    System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31

System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) +60
    Microsoft.AspNet.Identity.Owin.<Invoke>d__0.MoveNext() +448
```

```

System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31

System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task
task) +60
    Microsoft.Owin.Host.SystemWeb.IntegratedPipeline.<RunApp>d__5.MoveNext() +197
    System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31

System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task
task) +60
    Microsoft.Owin.Host.SystemWeb.IntegratedPipeline.<DoFinalWork>d__2.MoveNext() +184
    System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() +31
    Microsoft.Owin.Host.SystemWeb.IntegratedPipeline.StageAsyncResult.End(IAsyncResult
ar) +117
    System.Web.<>c__DisplayClass11_0.<InvokeEndHandler>b__0() +41
    System.Web.AsyncEventExecutionStep.InvokeEndHandler(IAsyncResult ar) +151
    System.Web.AsyncEventExecutionStep.OnAsyncEventCompletion(IAsyncResult ar) +156

```

c# asp.net-mvc owin twitter-login

edited Feb 13 at 8:45

asked Jun 20 '18 at 7:09



**Hakam Fostok**  
5,612 8 44 69

- 2 Check your callback URLs, especially if this isn't a new issue. Twitter didn't use to check them, but started within the past couple of weeks or so. We got caught out by it. – [John](#) Jun 20 '18 at 7:12 ✎

@john see my update please, thank you for the quickly respond – [Hakam Fostok](#) Jun 20 '18 at 7:18 ✎

- 1 I believe the default URL is /signin-twitter – [John](#) Jun 20 '18 at 7:19

@john, Thank you very much, sir, You saved my life, please consider to put an answer for this question and I will accept and upvote it immediately – [Hakam Fostok](#) Jun 20 '18 at 7:26

Done! Glad I could help. I wasted a couple of hours of my life before finding the problem. :) – [John](#) Jun 20 '18 at 7:28

## 1 Answer



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We had a similar issue in the past week or two and found that Twitter, while previously not validating the callback URL, have started checking it.



The login flow for Twitter is like this:

1. Client calls your backend.
2. Backend calls Twitter API with callback URL, keys, etc.
3. Twitter issues a login URL.
4. Backend redirects client to login URL as a result of the challenge.
5. Client logs in on Twitter (and authorises the app)
6. Twitter redirects to the callback URL (usually `https://www.example.com/signin-twitter` unless you specify an alternative `callbackPath` )
7. Backend receives Twitter tokens.

The callback URL validation happens at #2 and will return a 403 to the client if it fails.

I note in your image that your `callbackPath` is `/twittersignin` but you're not configuring it on the ASP.NET side, so ASP.NET is using `/signin-twitter` . You should update your callback URLs on Twitter (via the developer portal) to reflect this.

edited Jun 21 '18 at 10:07

answered Jun 20 '18 at 7:27



John

13.3k

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