Day 5 Attempt

# Plan

Create new Projects/Solution

Follow CORS document to the letter –Azure

* Convention Based Routing
* GET
* POST
* POST with data
* Verify on all browsers

Follow Attribute Routing document

* Route to a GET
* Route to a POST
* Route to a POST /w data ( here is where I expect it to break )

# Notes on Attempt

Created a directory on GitHub to make it easier to share with others who will hopefully see what I’m doing wrong.

Following this document: <http://www.asp.net/web-api/overview/security/enabling-cross-origin-requests-in-web-api>

## Enabling Cross-Origin Requests in ASP.NET Web API

I’m using:   
Visual Studio 2013 Update 3  
.NET Framework 4.5.51641  
I’m running Visual Studio as Administrator. That seems to give IIS Express the authority it needs to function. This is a problem I’d like to resolve another day.

*NOTE: I’ve never had a problem with IE and a note in this article explains why: “Internet Explorer does not consider the port when comparing origins.”*

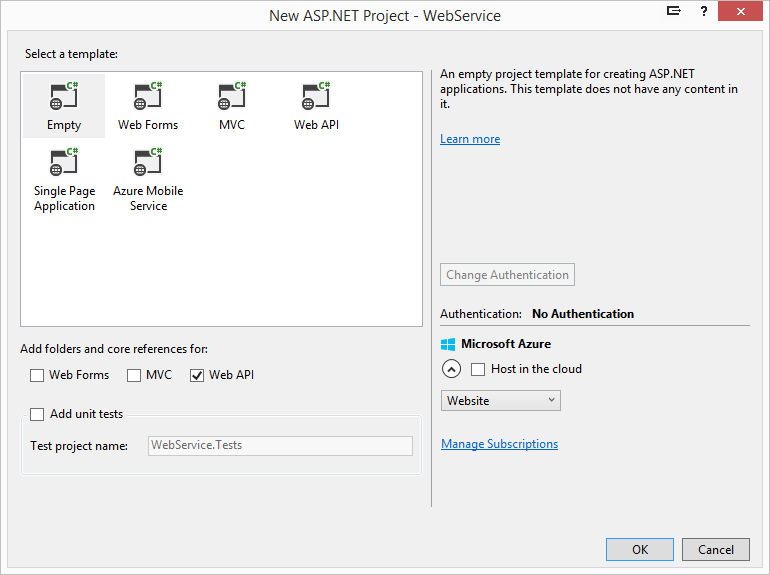
**Creating the new WebService project.**

File 🡪 New 🡪 Project 🡪ASP.NET Web Application

I give the project a name and location.

*NOTE: I hate to include this level of detail but after 5 days I clearly shouldn’t be the judge of what is and is not important. I’m sharing everything and maybe someone will see something that might seem insignificant to me now.*

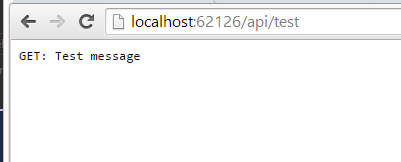
Selecting Web API only as instructed but not selecting “Host in the cloud”. This is my only deviation. It probably shouldn’t have been added to this tutorial because now I have a question in my head if that makes the difference I’m looking for.



Added a new controller called “TestController”.

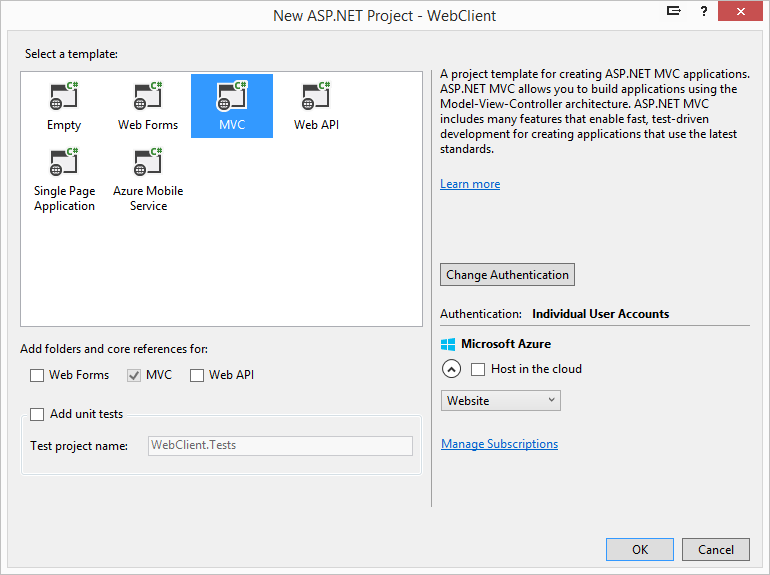
*The instructions did not say I could use the add new “controller” so I added a cs file and pasted in the code from the class in the tutorial. I real life I’d like to be able to “add controller” but maybe that is part of what is causing my problem so I’m following the tutorial more strictly.*

Seems to be working as expected. This has always worked.



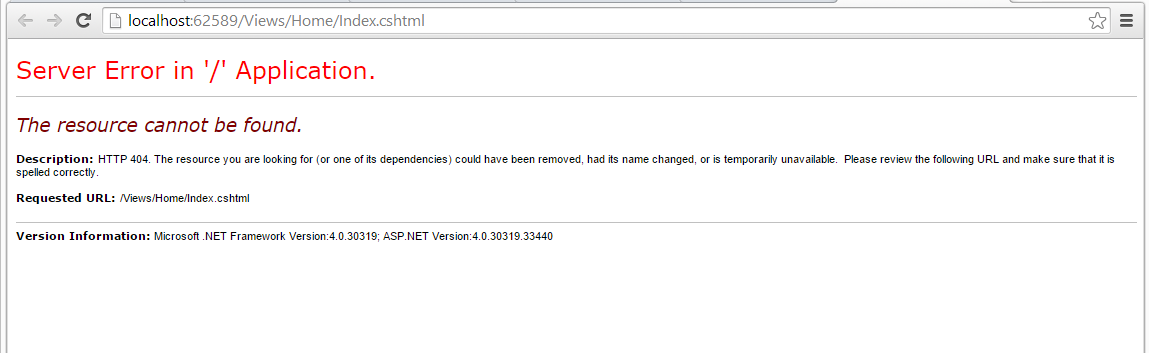
**Create the WebClient Project**

File 🡪 New 🡪 Project 🡪ASP.NET Web Application



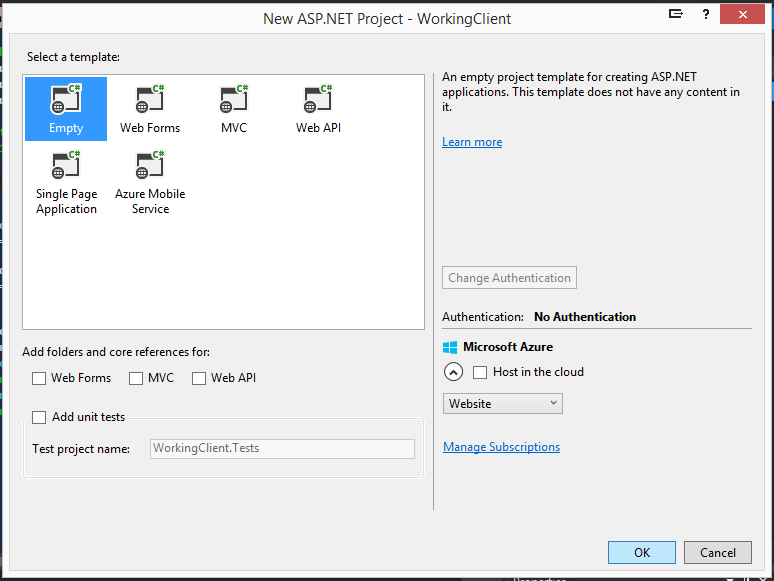
ERROR in tutorial

When I follow the tutorial exactly I get an error after adding the WebClient. I’ve added the new WebClient exactly as instructed and then replaced the content of Views/Home/Index.cshtml and when I run the project I get the following error.



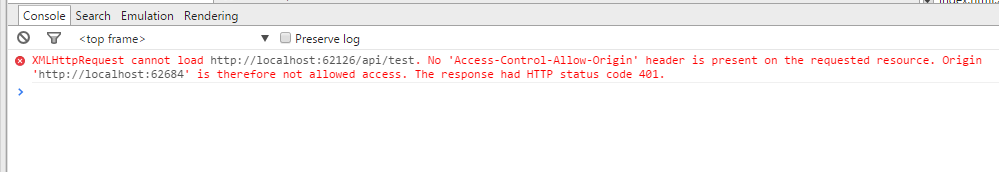
Since all I’m trying to do is make a call to the new WebService with ajax I’ll create a more basic site, not using MVC, and get that running. It shouldn’t make a difference but again, I’ve been working on this for 5 days so I’m no longer dismissing anything.

**Creating the WorkingClient project**



I’m using nearly the same index.html code as the tutorial except I’m adding a CDN to the jQuery and using pure html/js.

PERFECT: The call failed which is what we expected because CORS isn’t set up yet.



**Enable CORS**

Adding the CORS NuGet package.

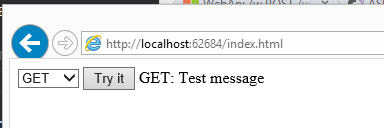
Install-Package Microsoft.AspNet.WebApi.Cors

Seems to have installed correctly.

Made config changes to WebApiConfig.cs and the TestController project.

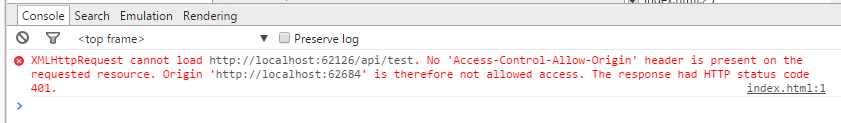
Running project:

In IE I get the proper response:



In Chrome I get an error:

* Only half way through the tutorial so maybe this is by design. I seem to remember this being addressed later.



It would be nice if the tutorial said that Chrome/FF weren’t expected to work yet. Not telling me would cause me to do a bunch of needless debugging because there is no point in continuing a tutorial if something breaks in the middle.

**Now the tutorial is discussing “How CORS Works”**