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How To Configure Google Sign-In For ASP.NET MVC 5: Part Sixteen

In this article you will learn about how to configure Google Sign-In for ASP.NET MVC 5.



Nitin Pandit

May 01 2016

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21

84.7k

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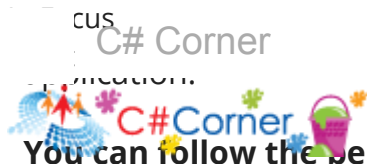
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- [Getting Started With ASP.NET MVC](#)
- [First ASP.NET MVC 5.0 Application](#)
- [How to Publish ASP.NET MVC on IIS MVC 5.0: Part 3](#)
- [How to Publish ASP.NET MVC 5.0 Application on Windows Azure: Part 4](#)
- [ASP.NET MVC 5.0 Views \(Dynamic/Strongly Typed Views\) - Part 5](#)
- [What Are Areas in ASP.NET MVC - Part 6](#)
- [Using Partial Views In ASP.NET MVC 5.0: Part 7](#)
- [MVC 5.0 Application using Entity Framework DB First Approach: Part 8](#)
- [MVC 5.0 Application using Entity Framework Code First Approach: Part 9](#)
- [HTML Helpers In ASP.NET MVC 5.0: Part 10](#)

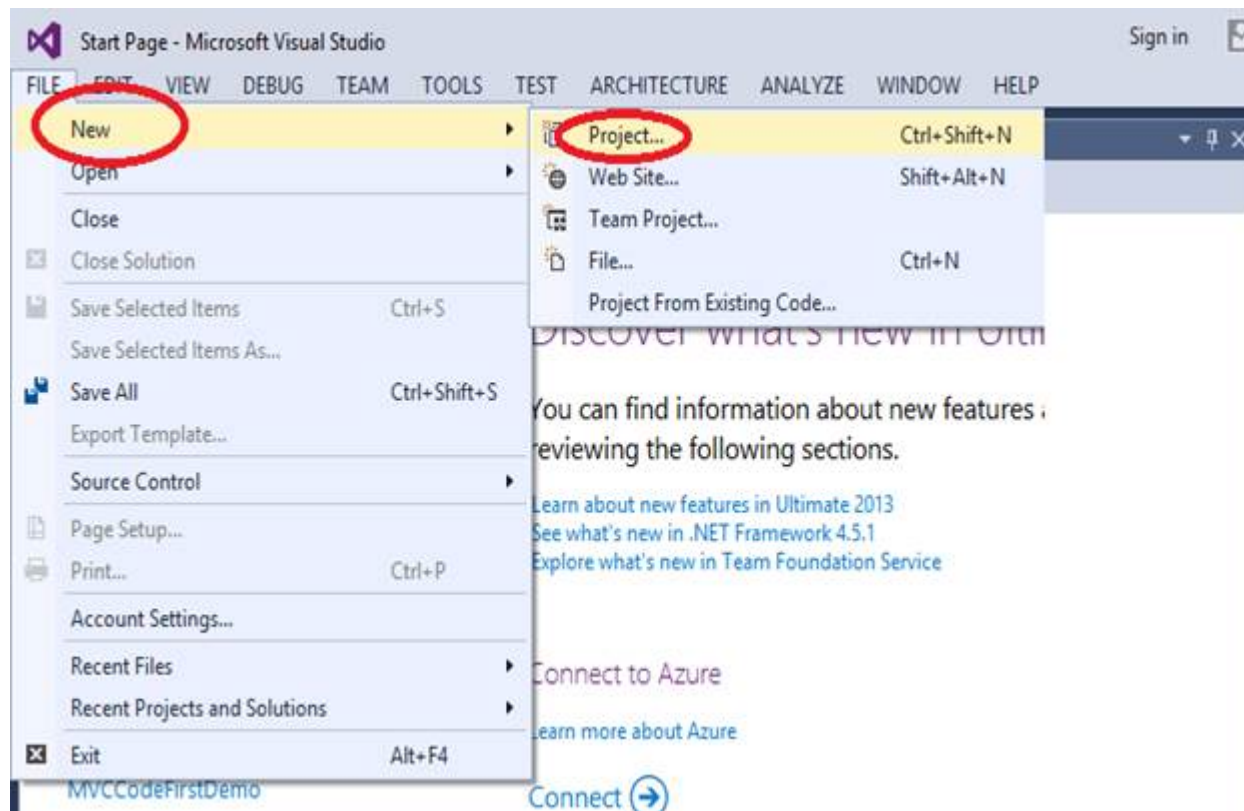
- [Validations In ASP.NET MVC 5.0: Part 13](#)
- [Layouts \(Master Pages\) in ASP.NET MVC 5.0: Part 14](#)
- [Facebook Authentication In ASP.NET MVC 5.0: Part 15](#)

Introduction

Enabling an Authentication sign in with Google and to allow users of your application to sign in with their Google account, you will need to register an application in the Google Developers console. After you have registered the application you can use the `Client ID` and `Client`

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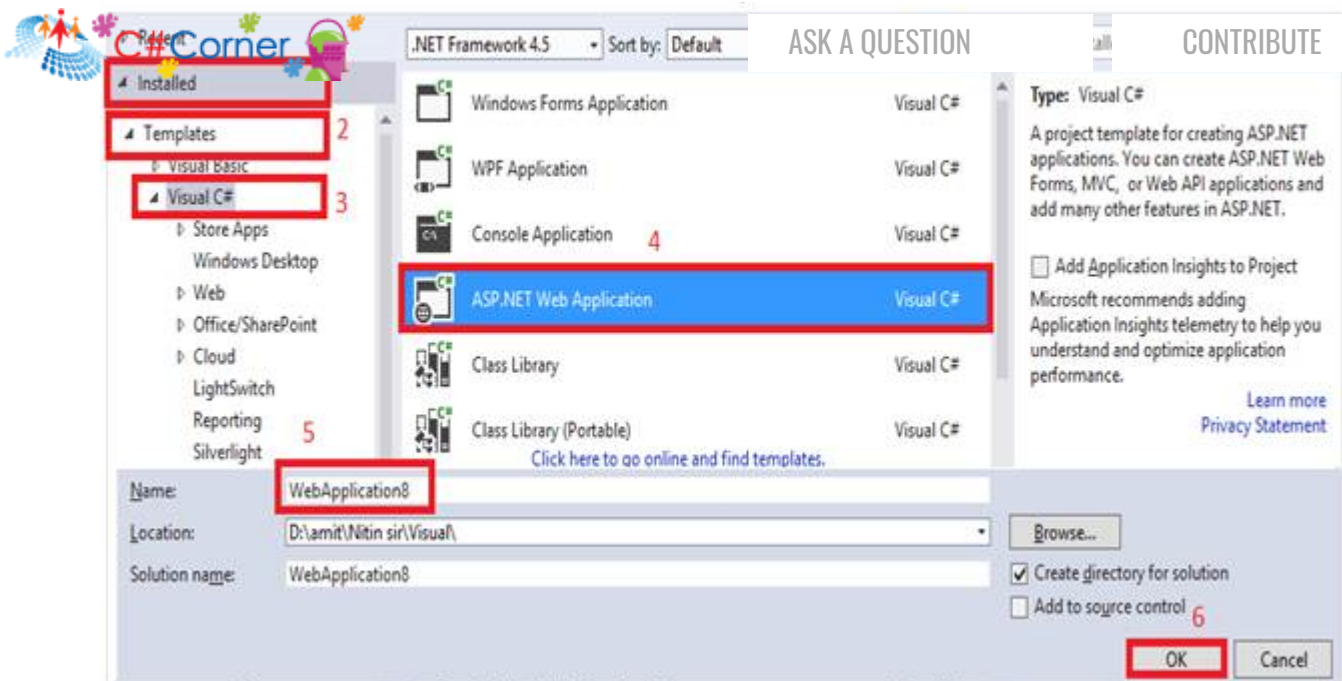
Open the Visual Studio and select the File, New, then click Project.



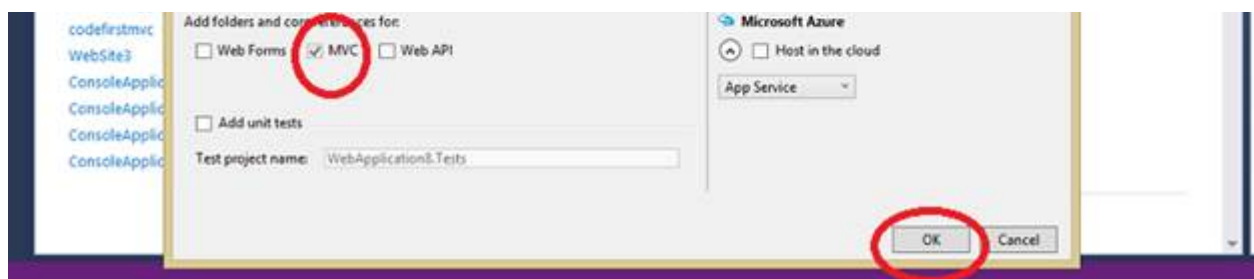
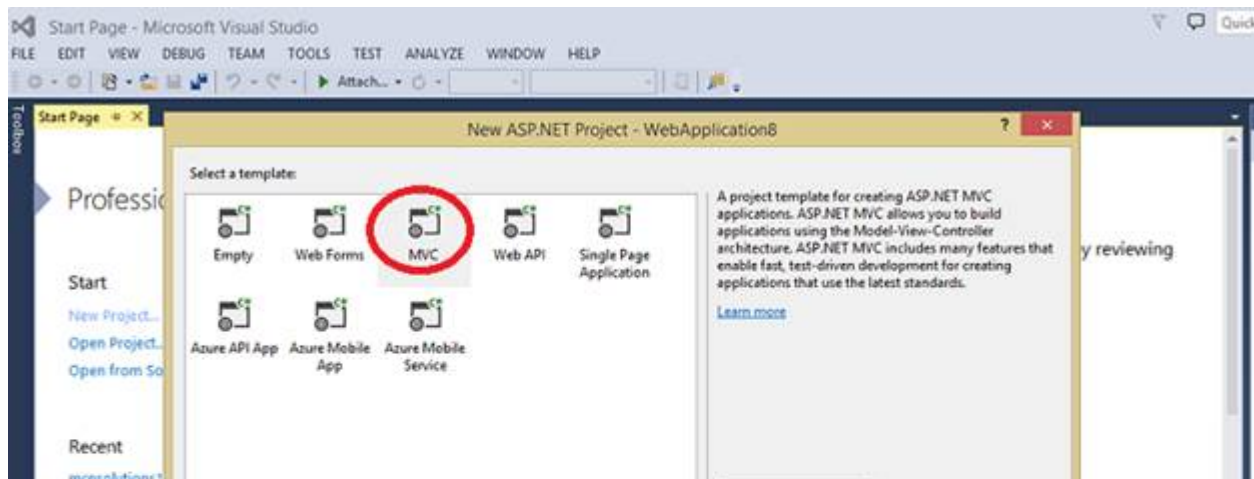
Select Installed > Templates > Visual C#, and select ASP.NET Web Application from the menu. Here, I have given the name of my project to be "WebApplication8".

- You can give the project name as you wish.

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In the below figure as you can see the default MVC will be selected, select MVC and then click "OK" button.



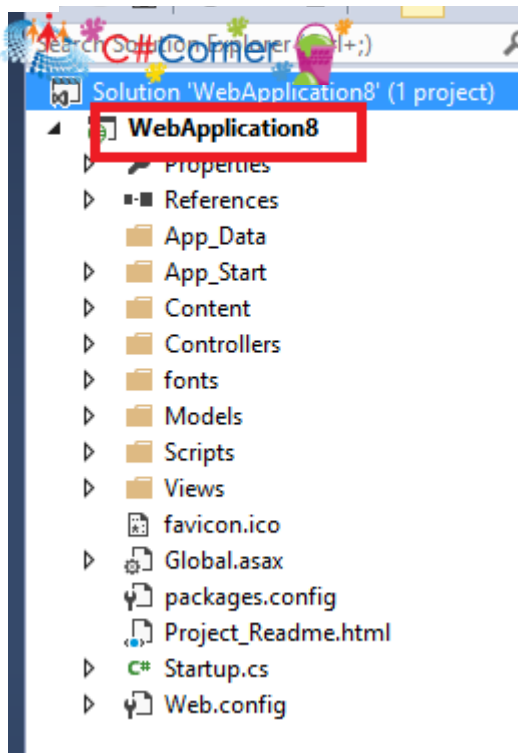
In Solution Explorer, your project has been created. Click on *Web Application8* project.

Hit the ALT+ENTER key to show the properties.

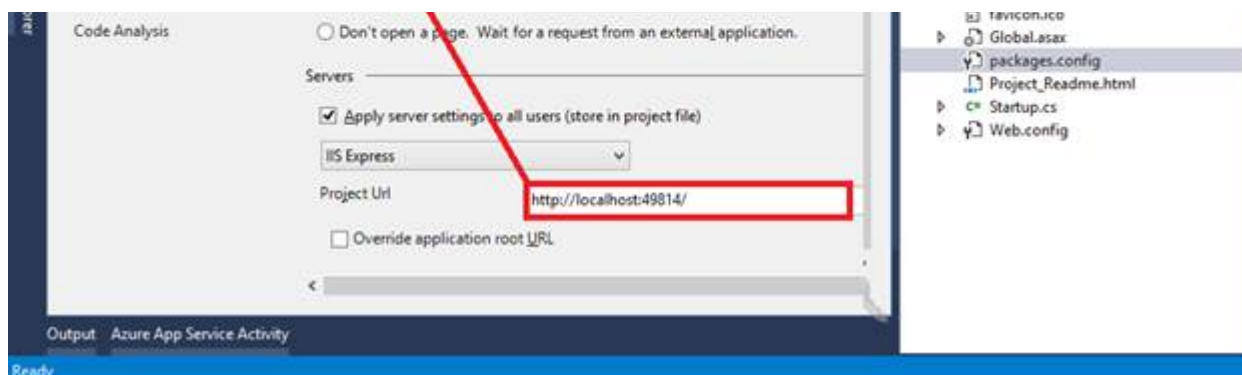
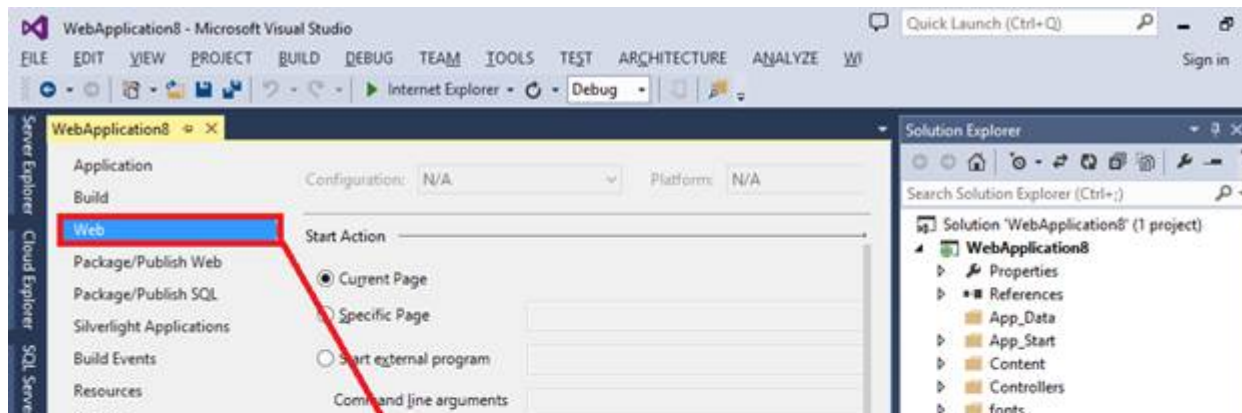
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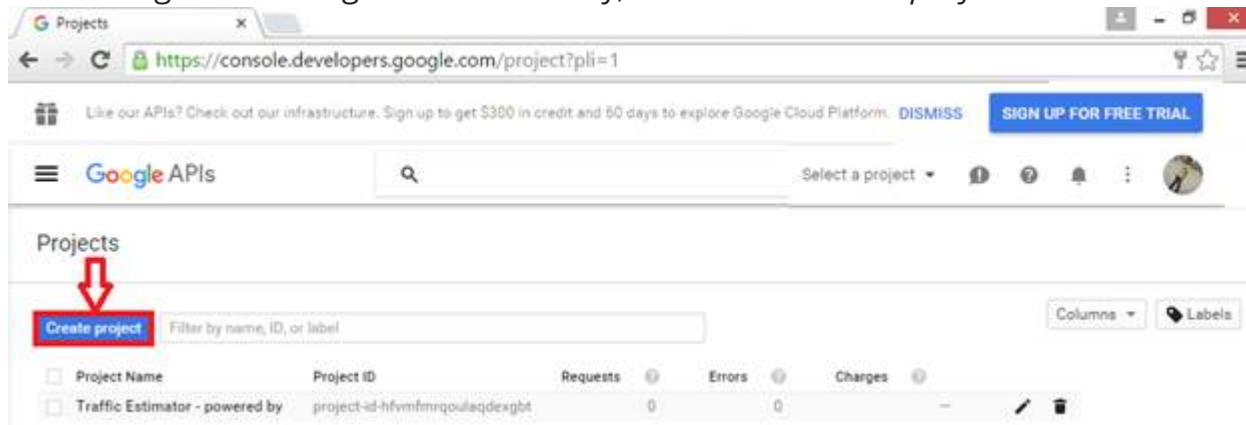
Right click on to your project and select properties, select “Web” from the menus and take note of the “Project Url”, as you will need this when specifying the Redirect URI in Google.



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Developers Console. Head on over to the [Google](#) [ASK A QUESTION](#) [a](#) [CONTRIBUTE](#)
 have to login with Google account. Firstly, click on to *Create project* button.



In the “New Project” dialog, give a name to your project and ID.

ID would be default auto created after giving name of project. Click on to “*Create*” button to create your project.

New Project

Project name ?

My Project
Name of the project

Project ID ?

x-planet-129311
Auto generated ID

[Show advanced options...](#)

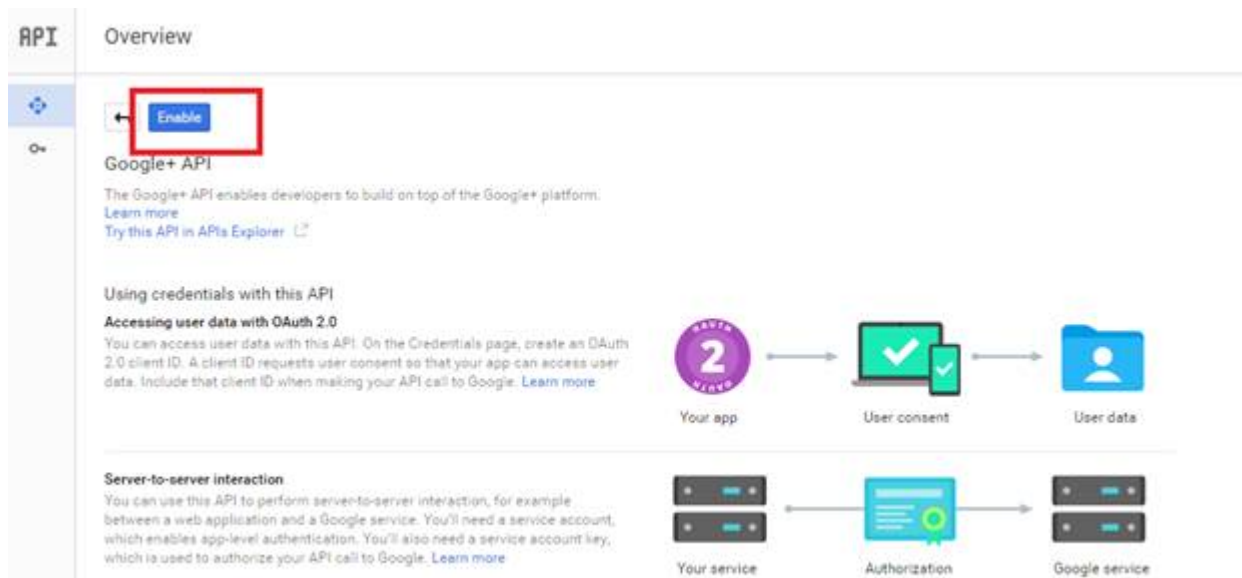
Create

Cancel

Next, we need to click on Google +API.



Click on to "Enable" button, by clicking on to enable button API will be enabled.



You must have to enter your credentials, by which we can't use API in our project.

So click on to Create Credentials and under it choose *OAuth client ID*.

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Overview

Credentials

Credentials

OAuth consent screen

Domain verification

APIs Credentials

You need credentials to access APIs. [Enable the APIs you plan to use](#) and then create the credentials they require. Depending on the API, you need an API key, a service account, or an OAuth 2.0 client ID. [Refer to the API documentation](#) for details.

Create credentials

API key

Identifies your project using a simple API key to check quota and access. For APIs like Google Translate.

OAuth client ID

Requests user consent so your app can access the user's data. For APIs like Google Calendar.

Service account key

Enables server-to-server, app-level authentication using robot accounts. For use with Google Cloud APIs.

Help me choose

Asks a few questions to help you decide which type of credential to use.

For OAuth consent screen, click on to it.

Credentials

Create client ID

Application type

- ☐ Web application
- ☐ Android [Learn more](#)
- ☐ Chrome App [Learn more](#)
- ☐ iOS [Learn more](#)
- ☐ PlayStation 4
- ☐ Other

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https://console.developers.google.com/apis/credentials/consent?crea

Google APIs

API Manager

Overview
Credentials

Credentials

OAuth consent screen

Domain verification

Email address

Product name shown to users

Homepage URL (Optional)

Product logo URL (Optional)

Privacy policy URL (Optional)

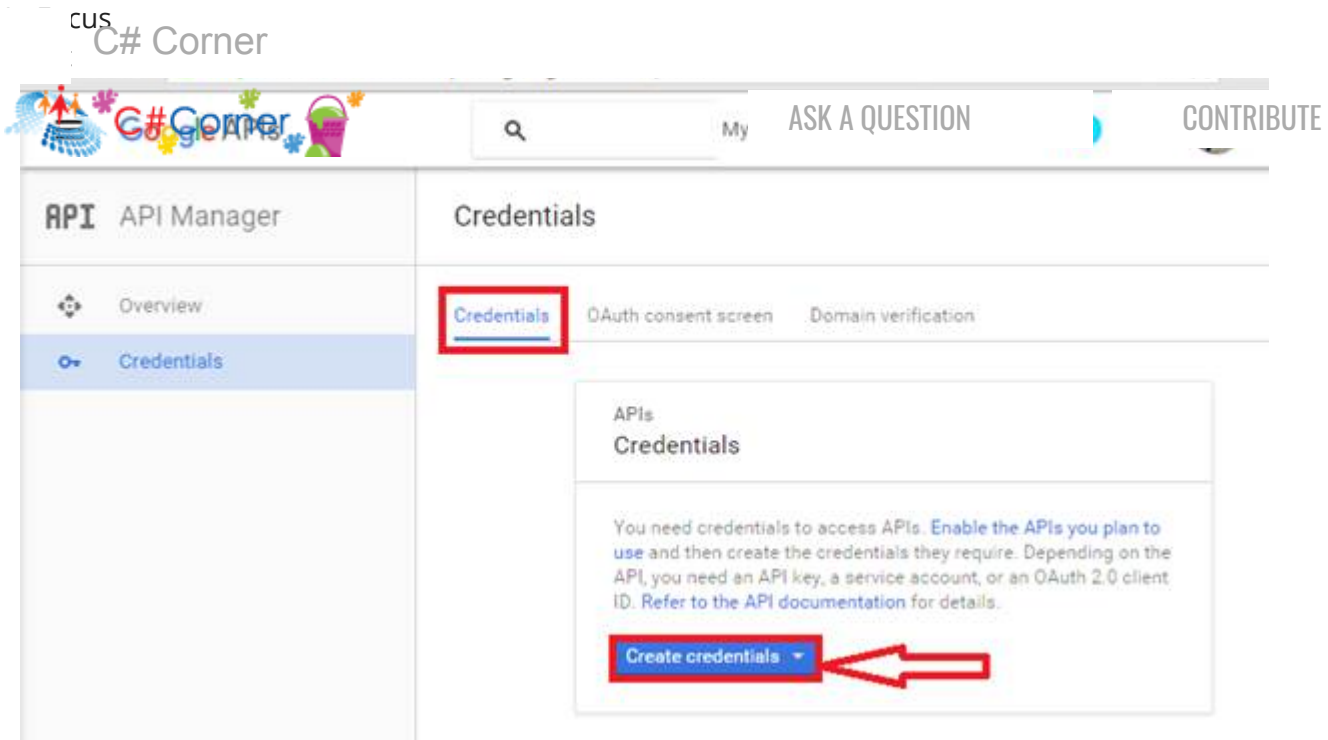
Terms of service URL (Optional)

Save Cancel

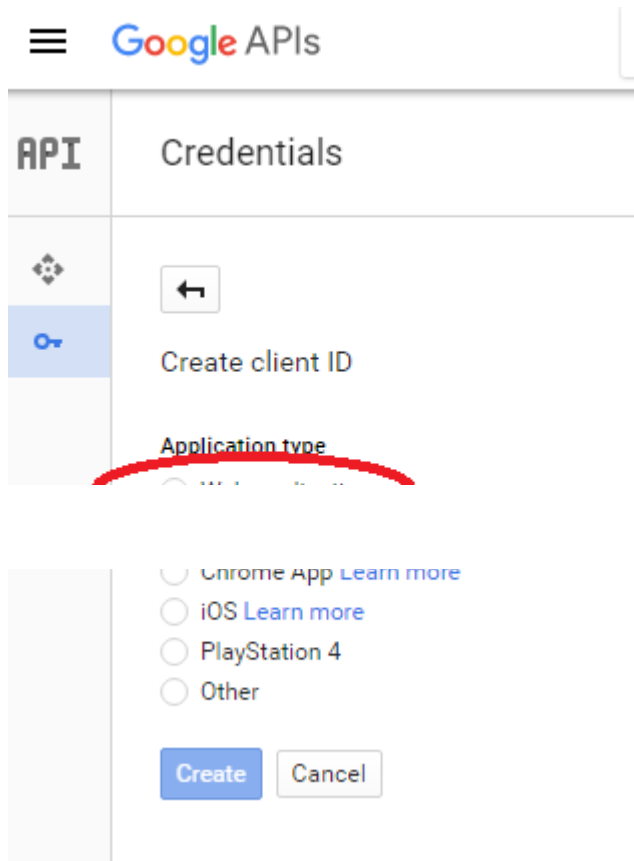
The consent screen will be shown to users whenever you request access to their private data using your client ID. It will be shown for all applications registered in this project.

You must provide an email address and product name for OAuth to work.

Now click on create credentials and you have shown oAuth client id option, And then click on client id.



Click on radio button i.e. "web application" and click on to create button.



Now enter your URL in authorized redirect Urls



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API Manager

Overview
Credentials

Credentials

Create client ID

Application type

- ☒ Web application
- ☐ Android [Learn more](#)
- ☐ Chrome App [Learn more](#)
- ☐ iOS [Learn more](#)
- ☐ PlayStation 4
- ☐ Other

Name

Web client 1

Restrictions
Enter JavaScript origins, redirect URIs, or both

Authorized JavaScript origins
For use with requests from a browser. This is the origin URI of the client application. It can't contain a wildcard (http://*.example.com) or a path (http://example.com/subdir). If you're using a nonstandard port, you must include it in the origin URI.

http://www.example.com

Authorized redirect URIs
For use with requests from a web server. This is the path in your application that users are redirected to after they have authenticated with Google. The path will be appended with the authorization code for access. Must have a protocol. Cannot contain URL fragments or relative paths. Cannot be a public IP address.

http://localhost:49814/ **Paste copied URL over here** ×

http://www.example.com/oauth2callback

Create Cancel

After click on create button the client ID and client secret will be generated. Now copy both client id and client secret form here.

OAuth client

Here is your client ID

315262191547-osfom9shf2ca96j8fs2vcju1gnk8t4.apps.googleusercontent.com

Here is your client secret

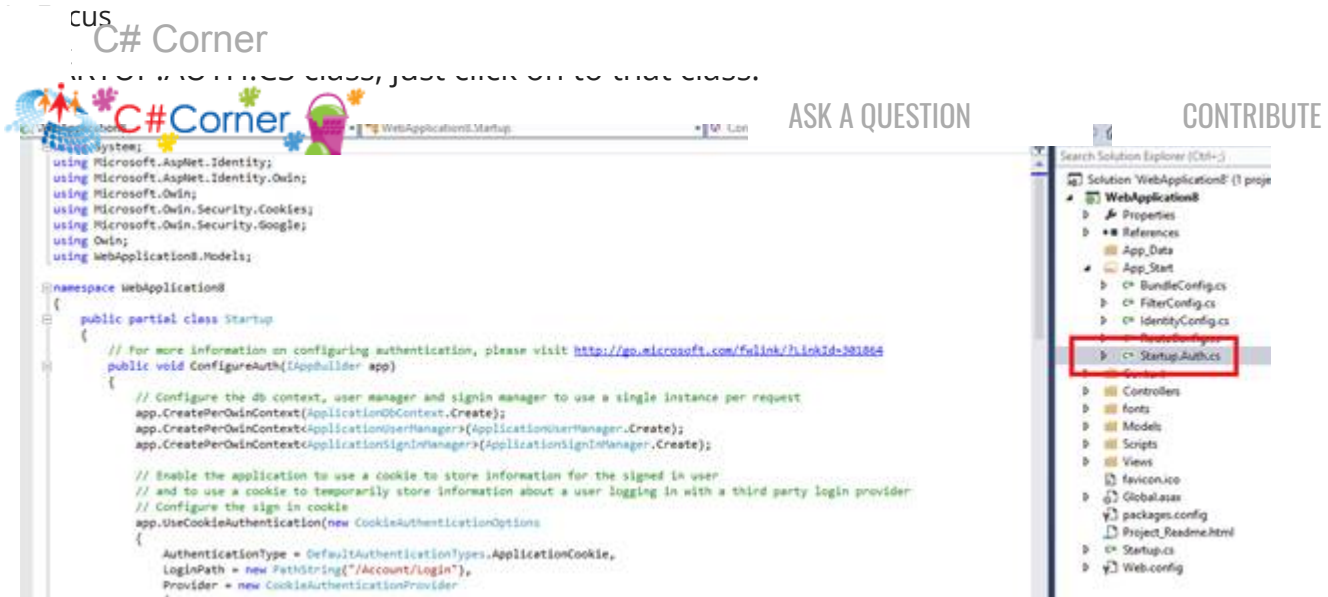
GOCXSYyK-2wKjgn

OK

OAuth 2.0 client IDs

Name	Created date	Type	Client ID
Web client 1	Apr 26, 2016	Web application	315262191547-osfom9shf2ca96j8fs2vcju1gnk8t4.apps.googleusercontent.com

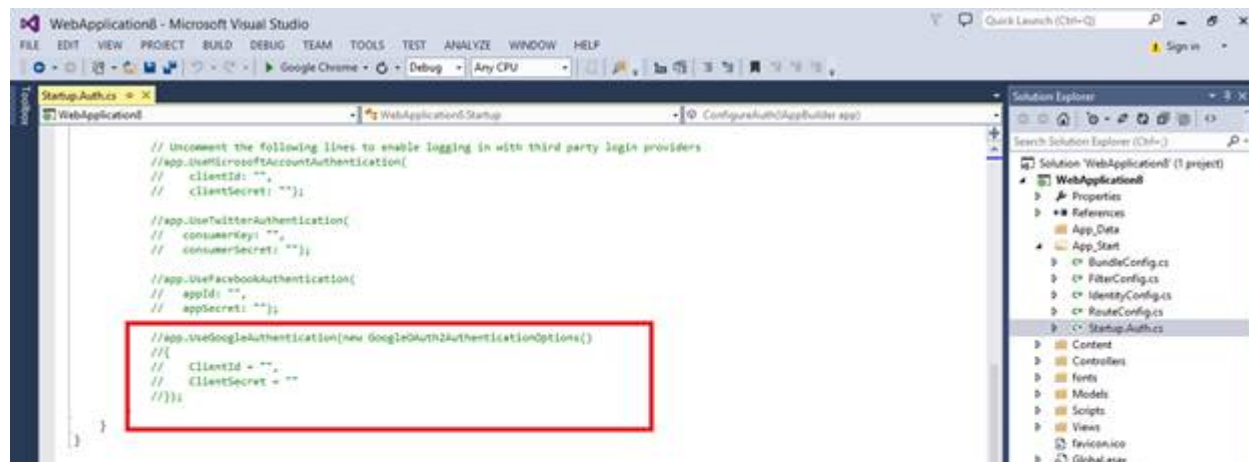
Now go to project.



After clicking on that class, scroll down the page and you just show `app.UseGoogleAuthentication()`, where I need to enter my client ID and client secret.

Below this you have a client id and client secret

Paste that client id and client secret

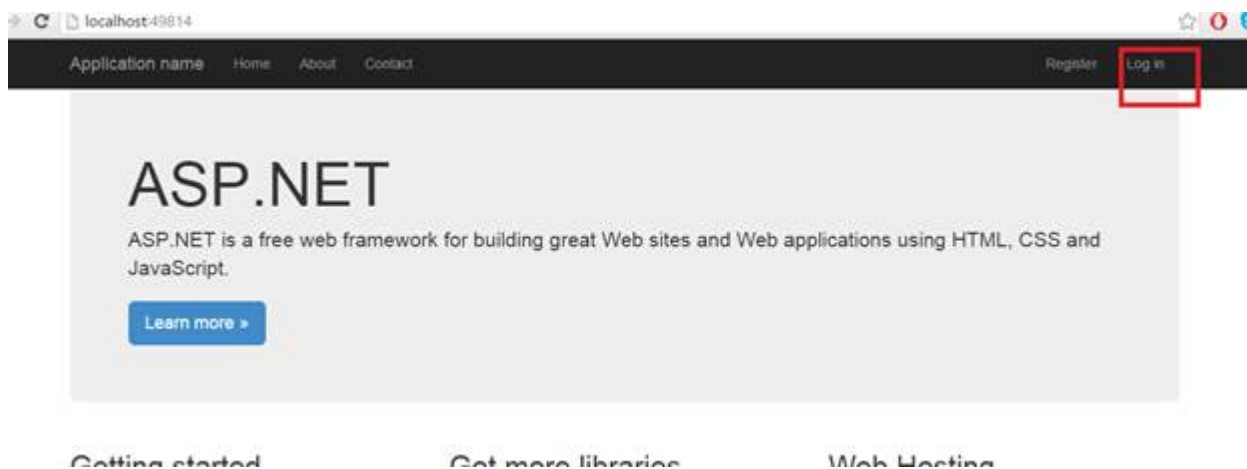


Just like this....

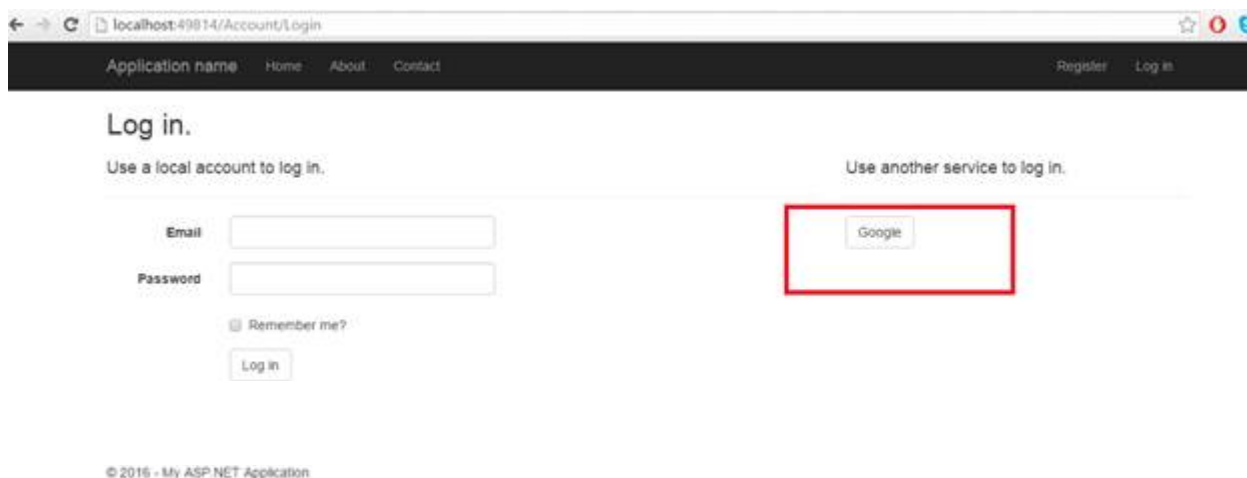


Now run your application. Press F5 to run it.

In the below screenshot, click on to Login button on the top-right of the page.



I'm going to Login with my Google account for authenticate. Click on *Google* to Login. After clicking on button, you will be redirected to Google website.



If you are not logged into Google yet, you will be prompted to do so.



Sign in with your Google Account

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Enter your email

Next

[Need help?](#)

Now Google will then prompt you to give the application permissions to access your personal data.

DEMO PROJECT would like to:

- Know who you are on Google
- View your email address
- View your basic profile info

By clicking Allow, you allow this app and Google to use your information in accordance with their respective terms of service and privacy policies. You can change this and other Account Permissions at any time.

Allow

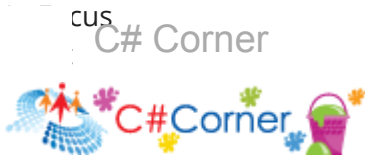
That's all about how we can configure Google Authentication in MVC Framework.

I hope you enjoyed this article. Stay tuned with me for more articles on all other Microsoft technologies.

Thanks.

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ASP.NET MVC 5

Configure Google Sign-In

MVC 5

Nitin Pandit *TOP 50*

With over 6 years of vast development experience on different technologies, Nitin Pandit is Microsoft certified Most Valued Professional (Microsoft MVP) as well as a C# Corner MVP. His rich skill set includes developing ... [Read more](#)

<http://www.tutorialslink.com/>

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26.2m

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Type your comment here and press Enter Key (Minimum 10 characters)



Nice article.

Nishan Aryal

588 2.4k 930.1k

Sep 06, 2018

1

0

[Reply](#)

Nice article, its working fine..

Karthik Ramachandran

1652 115 4.5k

Aug 29, 2018

1

0

[Reply](#)

Nice article, but after your last step here: Now Google will then prompt you to give the application permissions to access your personal data.. something goes wrong and: Object reference not set to an instance of an object. Description: An unhandled exception occurred during the execution of the current web request. Please review the stack trace for more information about the error and where it originated in the code. Exception Details: System.NullReferenceException: Object

SignInManager.ExternalSignInAsync(loginInfo, isPersistent: false); Line 333: switch (result) Line 334: {

Sekul Kamberov

1742 25 0

Apr 06, 2017

2

0

[Reply](#)

Nice article sir.. thanks for sharing..

Anu V

605 2.3k 102.8k

Dec 20, 2016

2

0

[Reply](#)

I am using MVC-4 so i dont have Startup.auth.cs , i have AuthConfig.cs file

Manav Pandya

Dec 10

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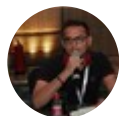
But i want to ask that which mechanism you used in real life project's i mean client projects , reply me for that sir [Nitin Pandit](#)

[Manav Pandya](#)

86 19.7k 615.7k

Dec 10, 2016

1 0 Reply



OMG Its so easy to configure thanks sir [Nitin Pandit](#)

[Manav Pandya](#)

86 19.7k 615.7k

Dec 10, 2016

1 0 Reply



Thank You, For Your Great Effort

[Hesham Adel](#)

1757 10 0

Dec 01, 2016

1 0 Reply



It gives me an error: redirect_uri_mismatch.

[Fahad Mirza](#)

1737 30 0

Jul 14, 2016

1 2 Reply



What do you do with that error ?

[Hesham Adel](#)

1757 10 0

Dec 01, 2016

0



Add to your Authorized redirect URIs : signin-google Ex:http://localhost:29552/signin-google

[Hesham Adel](#)

1757 10 0

Dec 01, 2016

0



Keep up the Good work!

[Amit Dave](#)

1097 737 24.8k

May 03, 2016

1 0 Reply

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