

.Net Blog Engine App

Technical aspects

1. Software

Visual Studio 2017 Community version - .Net Framework 4.6.1

SQL Server Management Studio v18.11

IIS with Web deploy

Azure Cloud services

2. Solution Architecture

Application has been development using a three-layer model:

Data Access

Business Logic

UI

3. Authentication

Authentication provided by Microsoft (ASP.NET Identity) has been used.

Some changes to the initial template was coded to make possible save first name, last name and roles for the user accounts.

Inside the code, it is possible to find comments by searching “//CR”

4. Azure Cloud

Web application URL: <https://blogengine20220301065033.azurewebsites.net/>

Please, read the user manual for a brief description.

Web API: <https://blogwebapi20220301.azurewebsites.net/>

It allows retrieving post info in JSON format.

For retrieving all Approved posts, type this in the browser url:

<https://blogwebapi20220301.azurewebsites.net/api/CustomPost/GetPosts?status=A>

For retrieving all posts:

<https://blogwebapi20220301.azurewebsites.net/api/CustomPost/GetAllPosts>

Web application project and Web API projects are setup to publish in Azure.

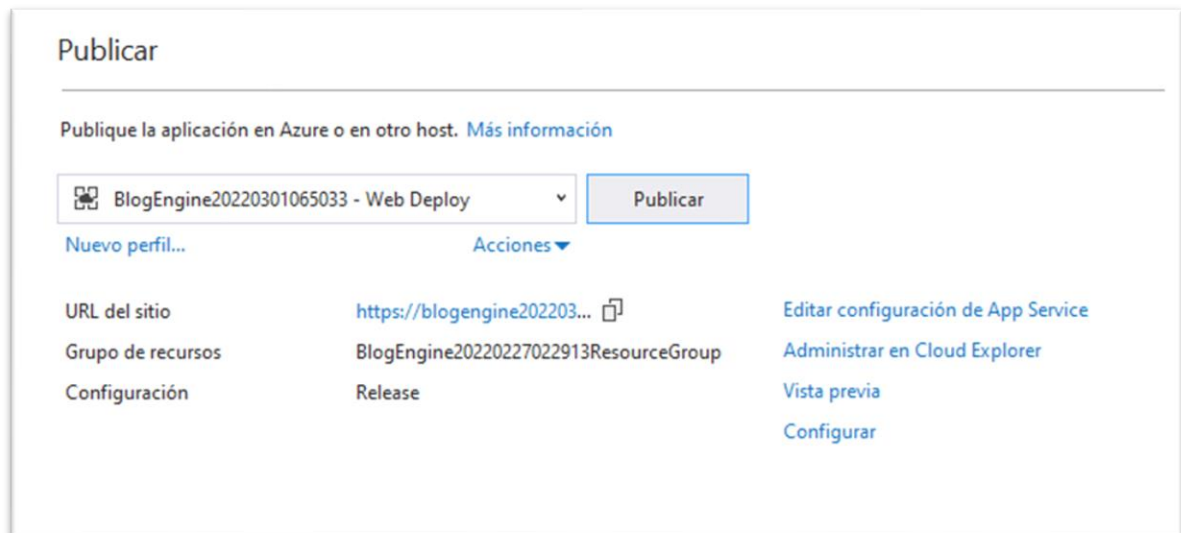


Figure 1. Profile to be used for deploying the web application in Azure.

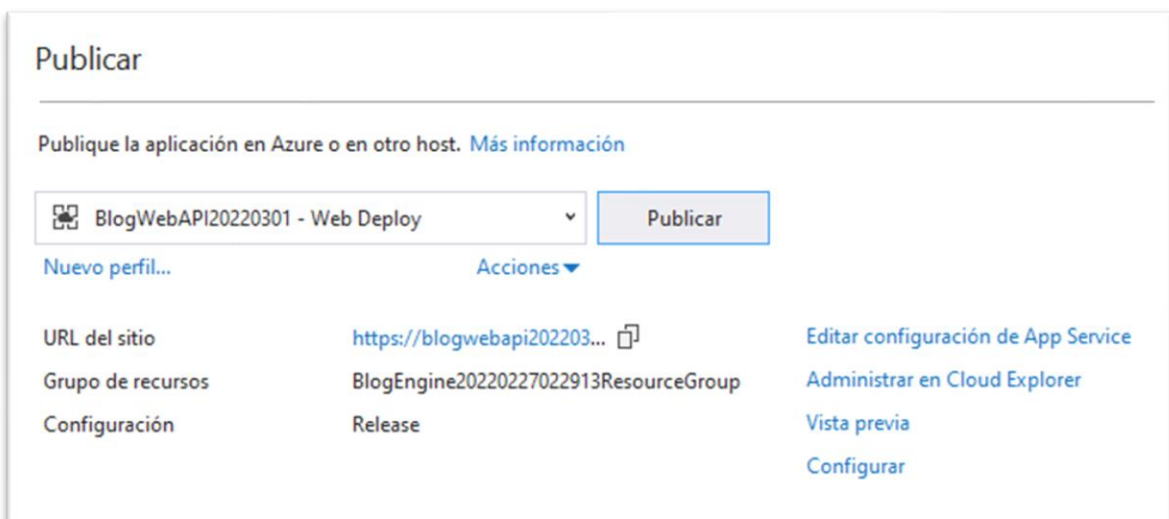


Figure 2. Profile to be used for deploying the Web API in Azure.

In case of failure at the moment of publish, please open the configuration of the profile and verify the connection to the Azure server and SQL server.

SQL Server: testdbblog.database.windows.net
 user: mainuser
 password: 4ToTest22

5. Github

Source code and extra documentation, both stored in Github:

<https://github.com/carlosrcode/zemoga>