Deploy An Article CMS to Azure

REVIEW | CODE REVIEW | HISTORY

Meets Specifications

Dear Student,

Congratulations! 🎉

I was impressed with the effort made on this submission. Especially configuration of the redirects. This is so cool.😎
It was my pleasure to review this wonderful project. Please continue with this same sense of hard work and good luck with the next project.
I like how consistent and patient you have been in implementing this project. Most of the concept displayed shows you have grasped a lot from the classroom.

Keep Learning, All the best 👍👍

Additional Resources

- Azure Databases
- Blogs Link
- Docker

Mine Submission :-

	App Service	VM
Service	Platform as a Service (PAS)	Infrastructure as a Service (IAS)
Scalability	Yes	Yes
Workflow	Easier to manage	Difficult to manage. It will require more maintenance, time and effort.
Availability	Traffic Manager, CDN	Traffic Manager by Azure, Azure VPN
Costs	1.75 GB RAM, 1 core, 10 GB storage 1000 MXN, this is much more expensive, but you have to do less work, so good option.	For a Basic tier 2 GB RAM, 1 core, 10 GB storage 500 MXN.

Resource Group

✓ The resource group must include a Storage Account, SQL Server, SQL Database, as well as any relevant services for deploying the web app.

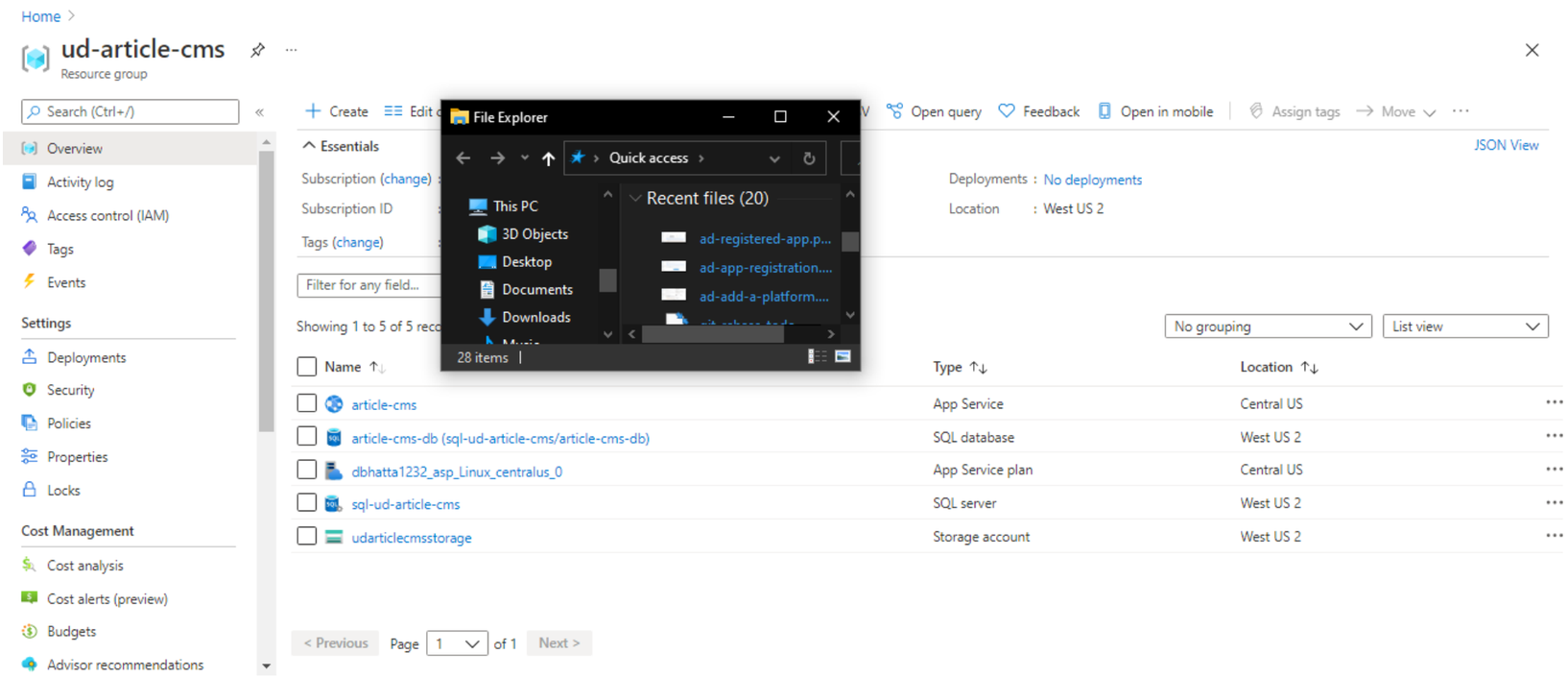
Provide a screenshot of the resource group in Azure, containing your running resources.

Brilliant start,🎉

The right resources can be seen from this submission. This guarantees a safe space for the features ahead 👏🏻

It is cool putting your resources into a single resource group - it will make long-term management, or even quick clean up, much easier!

Here is an additional reference Link on Azure resource groups !!



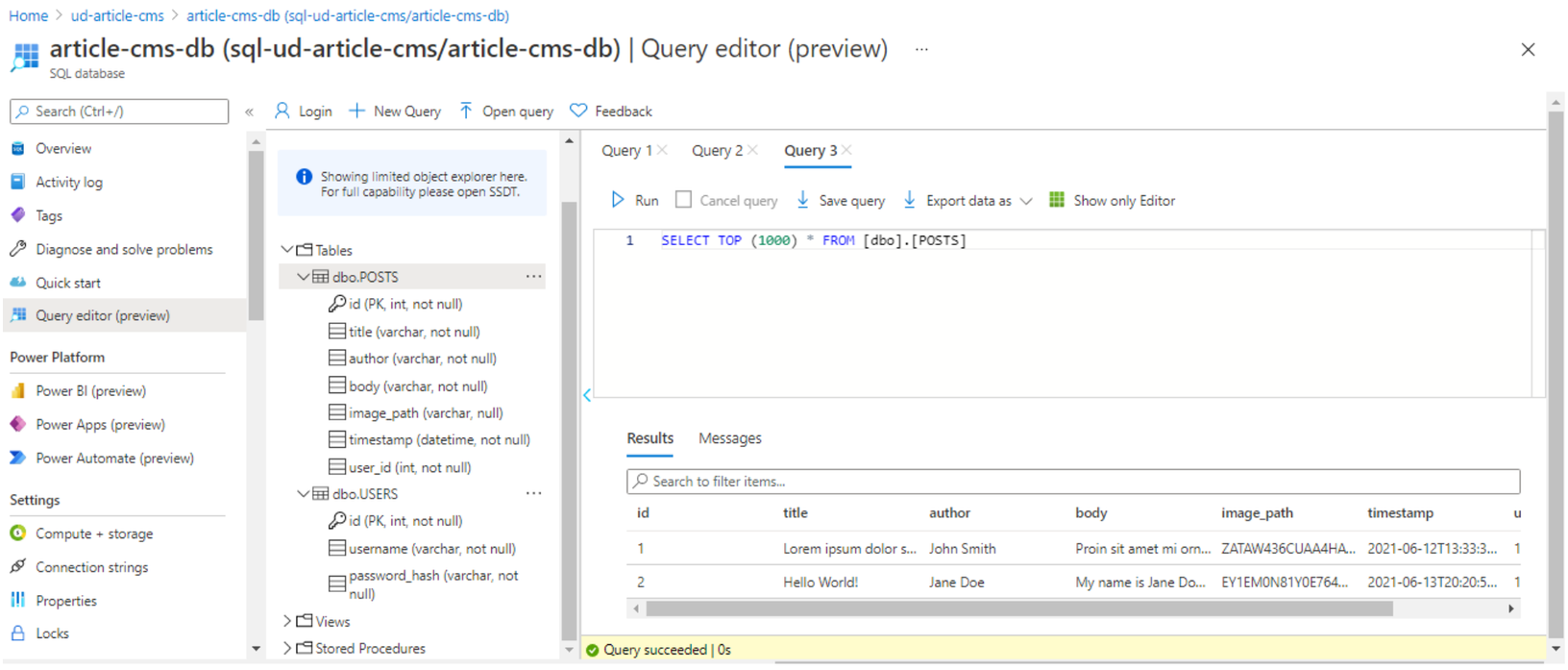
Storage

A SQL Server is created in Azure and is capable of storing the necessary article data (title, author, body).

Provide a screenshot from your SQL database within Azure, showing that both the `posts` and `users` tables have been created. Alternatively, if the site is still live, provide the URL for the site.

Another fine job here. You have successfully created a DBO.POSTS and DBO.USERS databases to keep records of the data we might input and use later 👏🎉

Good Read on Azure Sql Databases.



A Storage Account is created in Azure and is capable of storing the necessary image data for an article.

Provide a screenshot from your Storage Account within Azure, with the blob storage endpoint URL visible (can be seen in “Settings”->”Properties”). Alternatively, if the site is still live, provide the URL for the CMS site to show images are able to be stored and viewed.

Nice Work 👏

Thanks for including the screenshot of your blob storage. It looked like you probably used General Purpose V2 storage, which is currently the preferred method to use blog storage for Azure.

Additional Resource:-

Azure Storage

Resource Justification

In the provided `writeup.md` file, for both a VM or App Service solution for the CMS app:

- Analyze costs, scalability, availability, and workflow
- Choose the appropriate solution (VM or App Service) for deploying the app
- Justify your choice

This does not need to be substantially long, but should include information on all four analysis points for each option, your choice, and at least 2-3 sentences on why you choose that option.

Well done 🎉

- You have correctly analyzed the costs, scalability, availability, and workflow for both VM and App Service 👍👍
- Great work on choosing App Service for deploying the app and justifying your choice 👍👍

Further Reading -

- Azure Pricing
- Scalability
- Availability

✓ In the provided `writeup.md` file, detail how the app and any other needs would have to change for you to change your decision in the last section.

This should be at least 2-3 sentences, but feel free to add as much detail as you feel necessary.

Well done 🎉

You have correctly assessed the changes in case you want to change your decision in future ☑👍👍

IT IS A VALUABLE SKILL TO KNOW THE ADVANTAGES AND DISADVANTAGES OF THE VM AND APP SERVICE OFFERING TO MAKE REASONABLE DECISIONS. THIS WILL ALLOW YOU TO ADAPT TO THE NEEDS OF A SPECIFIC CASE.

Deployment

✓ The Python web app has been deployed to Azure using the chosen resource in the previous section.

As evidence, provide a screenshot of the Python application running from a browser (this can be part of the screenshot in the next section). The screenshot should include the URL and the black header that states “Article CMS”. Alternatively, you can provide a link to the deployed app, if it is still live.

Great work deploying your Article CMS web app! I can easily see the deployed app URL in the screenshot.
I can see the screenshot in your submission ⭐

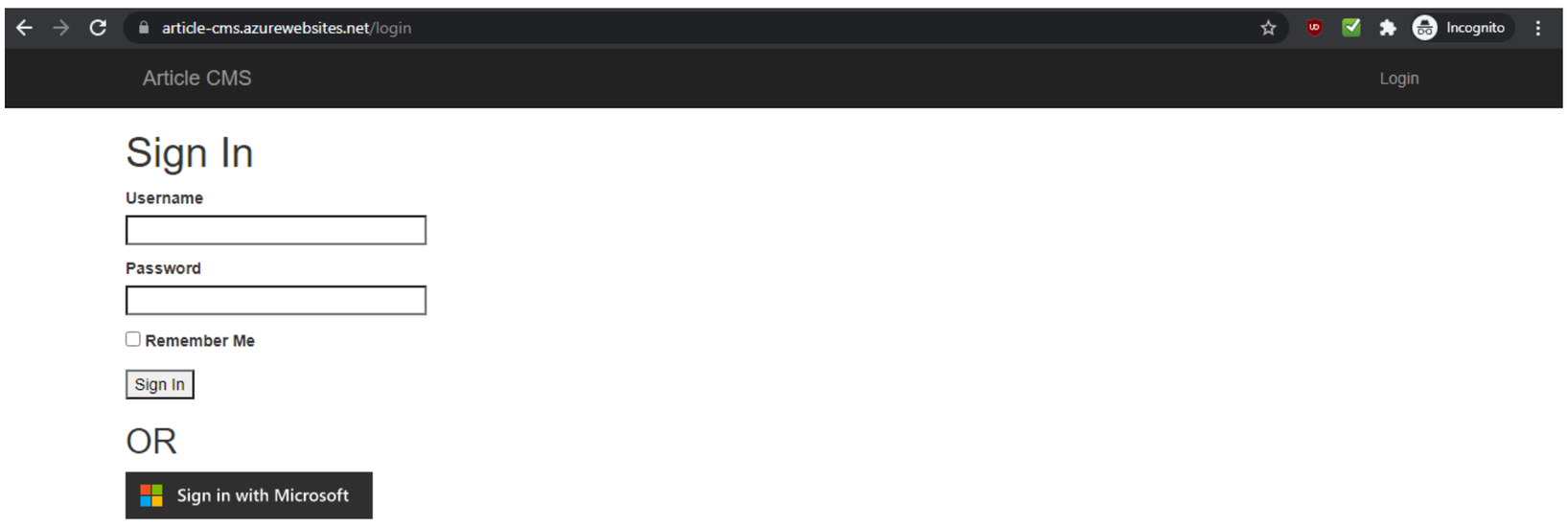
Here is a Link to Improve the Performance of your Web Apps !!

✓ The Python web app is able to connect to the related storage solutions.

As evidence, provide a screenshot of the Python application running from a browser. The screenshot should include the URL and at least one article containing title, author, body, and an image. Alternatively, you can provide a link to the deployed app, if it is still live.

Magnificent work! 🎉

The Python web app is able to connect to the related storage solutions. You have done fantastic work here.



Security & Monitoring

✓ The Python web app has an additional, operational option to sign in with Microsoft.

As evidence, provide a screenshot of the redirect URIs configured within the App Registration page in Azure. Alternatively, you can provide a link to the deployed app, if it is still live.

Additionally, your code in `views.py` should appropriately implement the Microsoft sign-in button using the `msal` library.

Great Work 🎉

The MSAL library has been well implemented. This shows mastery of connecting into our database via the Microsoft tokens 😄
Moreover, the URL redirect is right on point 👌

✓ Both successful and unsuccessful attempts to access the web app are logged.

As evidence, provide a screenshot or download the logs from Azure containing at least one successful and one unsuccessful access attempt, and include in your submission files. If otherwise submitting a URL, please include a link to screenshot/logs in the “Submission Details” box on the project submission page.

Excellent Work here too! 😄
You have done a really good job !
Here is an additional Link to monitor Azure Logs.

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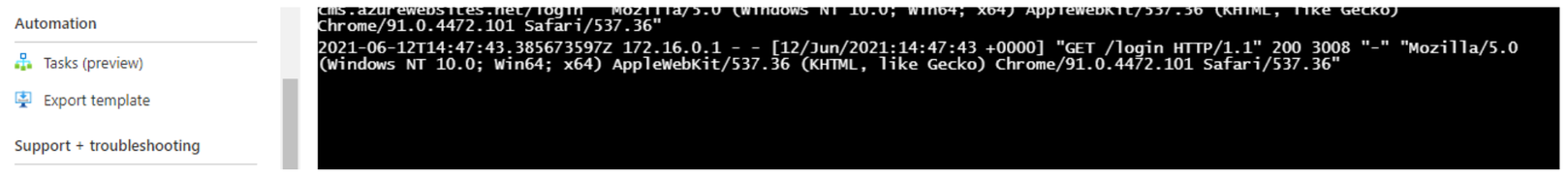

DOWNLOAD PROJECT

RETURN TO PATH