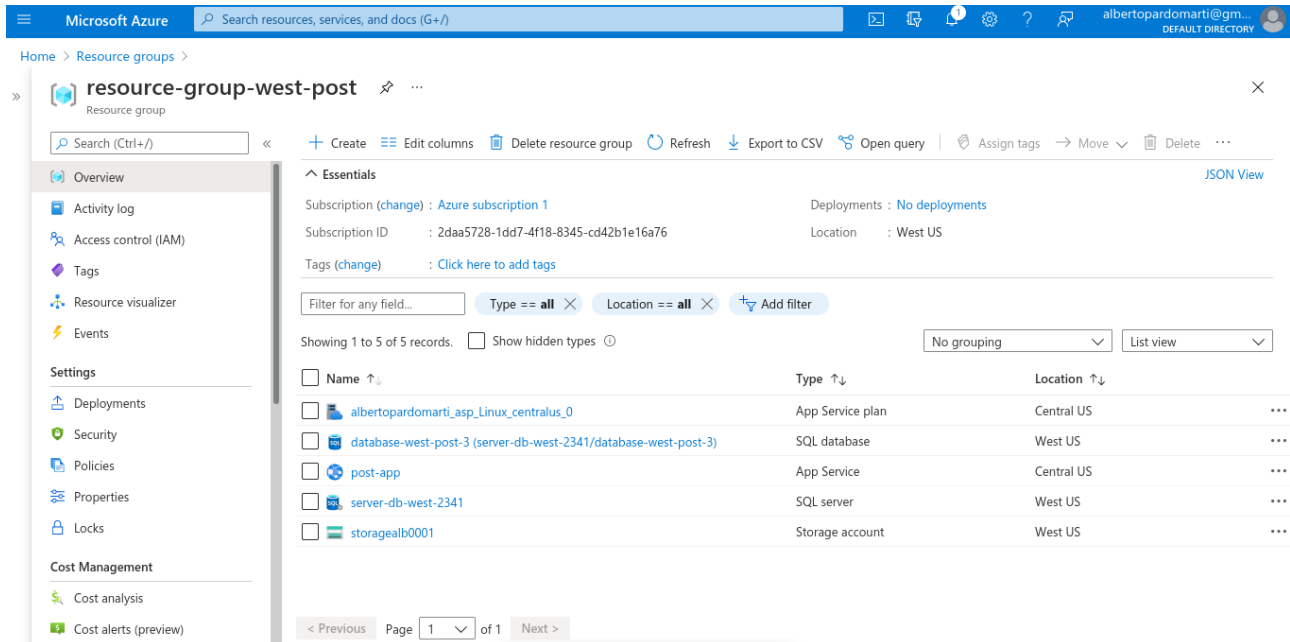


Deploy An Article CMS to Azure

Resource Group

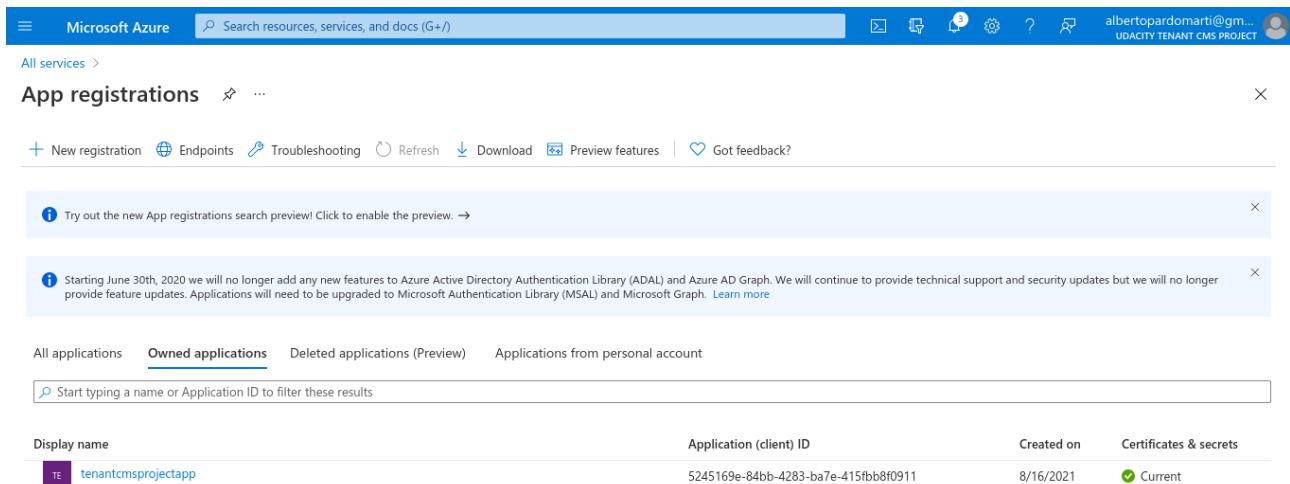


The screenshot shows the Azure portal interface for a resource group named 'resource-group-west-post'. The left sidebar contains navigation links for Overview, Activity log, Access control (IAM), Tags, Resource visualizer, Events, Settings, Deployments, Security, Policies, Properties, Locks, Cost Management, Cost analysis, and Cost alerts (preview). The main content area displays the 'Essentials' section for the resource group, showing the subscription ID, location (West US), and a list of resources. The resources are listed in a table with columns for Name, Type, and Location.

Name	Type	Location
albertopardomarti_asp_linux_centralus_0	App Service plan	Central US
database-west-post-3 (server-db-west-2341/database-west-post-3)	SQL database	West US
post-app	App Service	Central US
server-db-west-2341	SQL server	West US
storagealb0001	Storage account	West US

resource group in Azure

I have use a new tenant with Azure Active Directory and I created my app registration:



The screenshot shows the Azure portal interface for 'App registrations'. The left sidebar contains navigation links for All services, App registrations, Endpoints, Troubleshooting, Refresh, Download, Preview features, and Got feedback?. The main content area displays the 'App registrations' page, showing the 'Owned applications' tab selected. A table lists the owned applications, with one application visible: 'tenantcmsprojectapp'.

Display name	Application (client) ID	Created on	Certificates & secrets
tenantcmsprojectapp	5245169e-84bb-4283-ba7e-415fb8f0911	8/16/2021	Current

Microsoft Azure

Search resources, services, and docs (G+)

albertopardomarti@gm...

UDACITY TENANT CMS PROJECT

All services >

tenantcmsprojectapp

✂ ...

✕

Search (Ctrl+/)

«

Delete

Endpoints

Preview features

Overview

Quickstart

Integration assistant

Manage

Branding

Authentication

Certificates & secrets

Token configuration

API permissions

Expose an API

App roles

Owners

Roles and administrators | Preview

Manifest

Essentials

Display name : tenantcmsprojectapp

Application (client) ID : 5245169e-84bb-4283-ba7e-415fbb8f0911

Object ID : d40452d2-9623-4acb-8cbc-3fbc3b3dce29

Directory (tenant) ID : f91b0227-82d0-45ec-a1ea-b0aad91d1777

Supported account types : Multiple organizations

Client credentials : 0 certificate, 1 secret

Redirect URIs : 1 web, 0 spa, 0 public client

Application ID URI : Add an Application ID URI

Managed application in L... : tenantcmsprojectapp

Starting June 30th, 2020 we will no longer add any new features to Azure Active Directory Authentication Library (ADAL) and Azure AD Graph. We will continue to provide technical support and security updates but we will no longer provide feature updates. Applications will need to be upgraded to Microsoft Authentication Library (MSAL) and Microsoft Graph. [Learn more](#)

Starting November 9th, 2020 end users will no longer be able to grant consent to newly registered multitenant apps without verified publishers. [Add MPN ID to verify publisher](#)

Get Started

Documentation

Build your application with the Microsoft identity platform

The Microsoft identity platform is an authentication service, open-source libraries, and application management tools. You

Microsoft Azure

Search resources, services, and docs (G+)

albertopardomarti@gm...

UDACITY TENANT CMS PROJECT

All services >

tenantcmsprojectapp

✂ ...

✕

Search (Ctrl+/)

«

Delete

Endpoints

Preview features

Overview

Quickstart

Integration assistant

Manage

Branding

Authentication

Certificates & secrets

Token configuration

API permissions

Expose an API

App roles

Owners

Roles and administrators | Preview

Manifest

Essentials

Display name : tenantcmsprojectapp

Application (client) ID : 5245169e-84bb-4283-ba7e-415fbb8f0911

Object ID : d40452d2-9623-4acb-8cbc-3fbc3b3dce29

Directory (tenant) ID : f91b0227-82d0-45ec-a1ea-b0aad91d1777

Supported account types : Multiple organizations

Starting June 30th, 2020 we will no longer add any new features to Azure Active Directory Authentication Library (ADAL) and Azure AD Graph. We will continue to provide technical support and security updates but we will no longer provide feature updates. Applications will need to be upgraded to Microsoft Authentication Library (MSAL) and Microsoft Graph. [Learn more](#)

Starting November 9th, 2020 end users will no longer be able to grant consent to newly registered multitenant apps without verified publishers. [Add MPN ID to verify publisher](#)

Get Started

Documentation

Build your application with the Microsoft identity platform

The Microsoft identity platform is an authentication service, open-source libraries, and application management tools. You

Endpoints

OAuth 2.0 authorization endpoint (v2)

https://login.microsoftonline.com/organizations/oauth2/v2.0/authorize

Copy to clipboard

OAuth 2.0 token endpoint (v2)

https://login.microsoftonline.com/organizations/oauth2/v2.0/token

OAuth 2.0 authorization endpoint (v1)

https://login.microsoftonline.com/organizations/oauth2/authorize

OAuth 2.0 token endpoint (v1)

https://login.microsoftonline.com/organizations/oauth2/token

OpenID Connect metadata document

https://login.microsoftonline.com/organizations/v2.0/.well-known/openid-configuration

Microsoft Graph API endpoint

https://graph.microsoft.com

Federation metadata document

https://login.microsoftonline.com/f91b0227-82d0-45ec-a1ea-b0aad91d1777/federationmetadata/2007-06/federationmetadata.xml

WS-Federation sign-on endpoint

https://login.microsoftonline.com/f91b0227-82d0-45ec-a1ea-b0aad91d1777/wsfed

SAML-P sign-on endpoint

https://login.microsoftonline.com/f91b0227-82d0-45ec-a1ea-b0aad91d1777/saml2

SAML-P sign-out endpoint

https://login.microsoftonline.com/f91b0227-82d0-45ec-a1ea-b0aad91d1777/saml2

Storage

Microsoft Azure | Search resources, services, and docs (G+)

Home > database-west-post-3 (server-db-west-2341/database-west-post-3)

database-west-post-3 (server-db-west-2341/database-west-post-3) | Query editor (preview)

Showing limited object explorer here. For full capability please open SSDT.

Tables

- dbo.POSTS
 - id (PK, int, not null)
 - title (varchar, not null)
 - author (varchar, not null)
 - body (varchar, not null)
 - image_path (varchar, null)
 - timestamp (datetime, not null)
 - user_id (int, not null)
- dbo.USERS
 - id (PK, int, not null)
 - username (varchar, not null)
 - password_hash (varchar, not null)

Views

Query 1

Run Cancel query Save query Export data as Show only Editor

1 SELECT * FROM [dbo].[POSTS]

Results Messages

Search to filter items...

id	title	author	body	image_path	timestamp	user_id
1	Lorem ipsum dolor s...	John Smith	Proin sit amet mi orn...		2021-08-16T14:39:1...	1

Query succeeded | 0s

SQL database within Azure

BLOB

Microsoft Azure | Search resources, services, and docs (G+)

Home > storagealb0001

Storage account

Resource group (change) : resource-group-west-post

Location : West US

Primary/Secondary Location : Primary: West US, Secondary: East US

Subscription (change) : Azure subscription 1

Subscription ID : 2daa5728-1dd7-4f18-8345-cd42b1e16a76

Disk state : Primary: Available, Secondary: Available

Tags (change) :

Performance/Access tier : Standard/Hot

Replication : Read-access geo-redundant storage (RA-GRS)

Account kind : StorageV2 (general purpose v2)

Provisioning state : Succeeded

Created : 8/16/2021, 8:06:37 PM

Overview Activity log Tags Diagnose and solve problems Access Control (IAM) Data migration Events Storage Explorer (preview)

Data storage

- Containers
- File shares
- Queues
- Tables

Security + networking

- Networking
- Azure CDN
- Access keys
- Shared access signature

Properties Monitoring Capabilities (7) Recommendations Tutorials Developer Tools

Blob service

- Hierarchical namespace : Disabled
- Default access tier : Hot
- Blob public access : Enabled
- Blob soft delete : Disabled
- Container soft delete : Disabled
- Versioning : Disabled
- Change feed : Disabled
- NFS v3 : Disabled

File service

- Large file share : Disabled

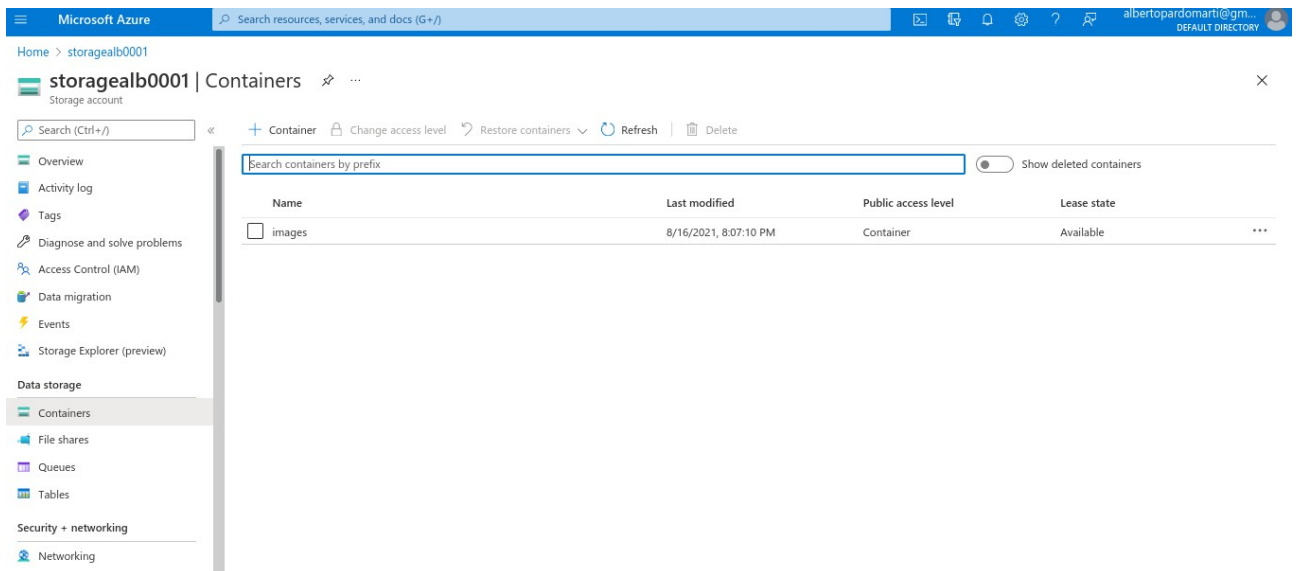
Security

- Require secure transfer for REST API operations : Enabled
- Storage account key access : Enabled
- Minimum TLS version : Version 1.0
- Infrastructure encryption : Disabled

Networking

- Allow access from : All networks
- Number of private endpoint connections : 0
- Network routing : Microsoft network routing
- Access for trusted Microsoft services : Yes

My storage



My blob container

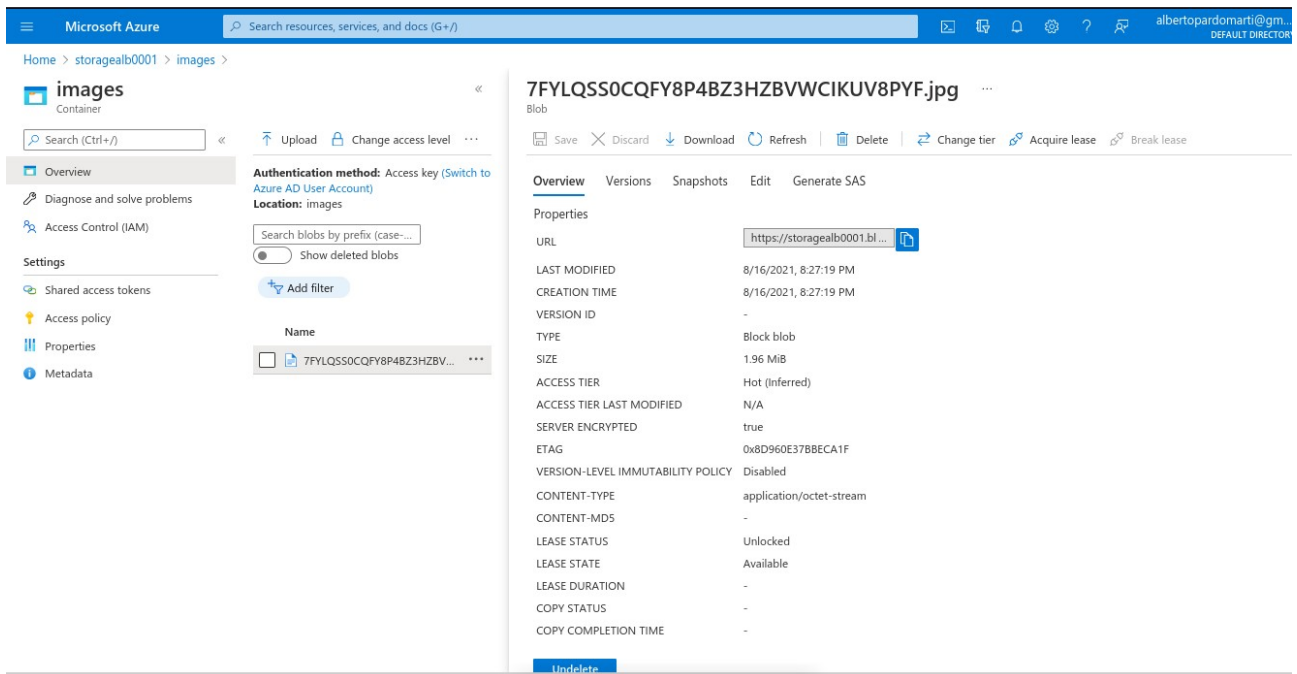


Image of my post in Blob

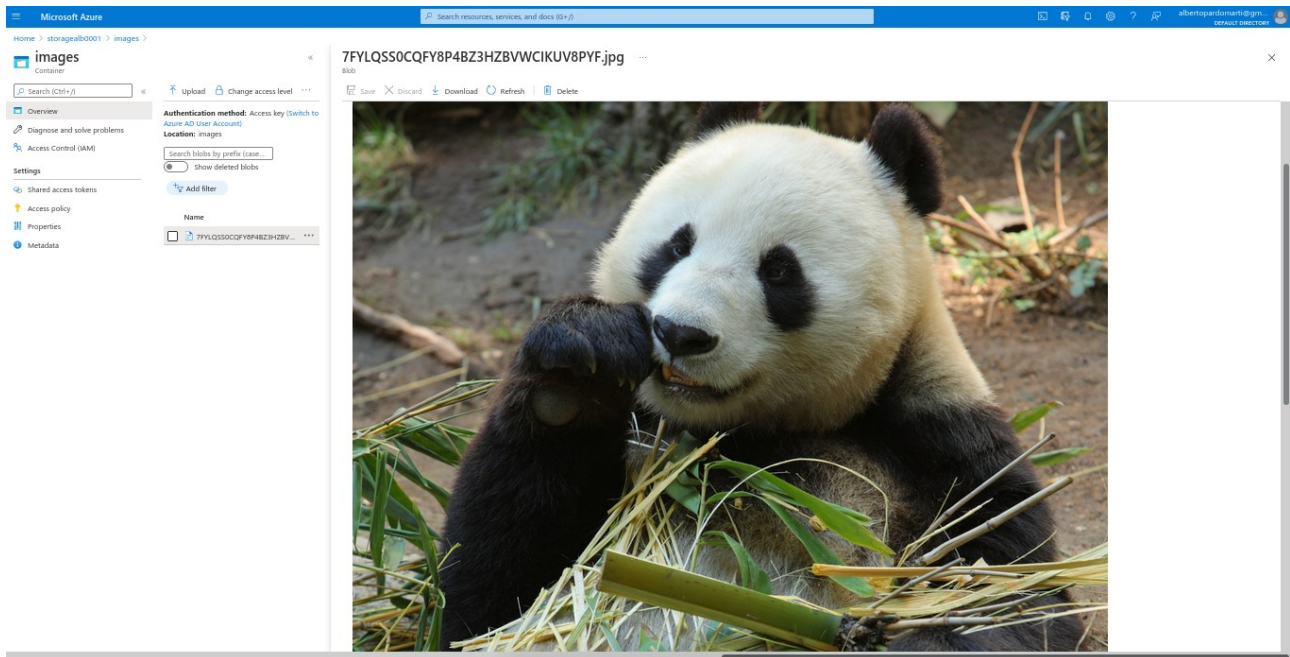


Image of my post in Blob

Resource Justification

See **WRITEUP.md** file

Deployment

```
Running oryx build...
Running oryx build...
Running oryx build...
Running oryx build...
Running oryx build...
Running oryx build...
Running oryx build...
Fetching changes...
You can launch the app at http://post-app.azurewebsites.net
{
  "URL": "http://post-app.azurewebsites.net",
  "appserviceplan": "albertopardomarti_asp_Linux_centralus_0",
  "location": "centralus",
  "name": "post-app",
  "os": "Linux",
  "resourcegroup": "resource-group-west-post",
  "runtime_version": "python|3.7",
  "runtime_version_detected": "-",
  "sku": "FREE",
  "src_path": "//media//store//Documentos//CursosOnline//Udacity//2021_Bertelsmann_AzureNanodegree//chapters//2//Lesson_5//2-3-nd081-cl-Albert_Version
  Azure_webApp"
}
Command ran in 256.131 seconds (init: 0.263, invoke: 255.868)
```

Answer deploy from CLI

← → ↻ 🏠 🔒 https://post-app.azurewebsites.net/login ☆ 🔍 Search 📧 📖 📄

Article CMS Login


Sign In

Username

Password

☐ Remember Me

OR

 Sign in with Microsoft

Login screen

← → ↻ 🏠 🔒 https://post-app.azurewebsites.net/home ☆ 🔍 Search 📧 📖 📄


Article CMS Logout

ID	Title	Author	Has image?	
1	Lorem ipsum dolor sit amet	John Smith	False	Edit Post

The default article in CMS

Microsoft Azure 🔍 Search resources, services, and docs (G+/I) 📧 📖 📄 📧 ? 📄 albertopardomarti@gm...
DEFAULT DIRECTORY

Home > Resource groups > resource-group-west-post >

 **post-app** App Service

🔍 Search (Ctrl+/) «

🔍 Browse 🛑 Stop ↺ Swap ↻ Restart 🗑 Delete ↺ Refresh ⬇ Get publish profile ↺ Reset publish profile 📱 Share to mobile ❤ Send us your feedback

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Security
- Events (preview)

Deployment

- Quickstart
- Deployment slots
- Deployment Center

Settings

- Configuration
- Authentication

Essentials

Resource group (change) : [resource-group-west-post](#)

Status : Running

Location : Central US

Subscription (change) : [Azure subscription 1](#)

Subscription ID : 2daa5728-1dd7-4f18-8345-cd42b1e16a76

URL : <https://post-app.azurewebsites.net>

Health Check : Not Configured

App Service Plan : [albertopardomarti_asp_Linux_centralus_0 \(F1: Free\)](#)


FTP/deployment username : post-app\myName175685a3771


FTP hostname : ftp://waws-prod-dm1-227.ftp.azurewebsites.windows.net/site/w...


FTPS hostname : ftps://waws-prod-dm1-227.ftp.azurewebsites.windows.net/site/w...


Tags (change) : [Click here to add tags](#)


[JSON View](#)

 **Diagnose and solve problems**
Our self-service diagnostic and troubleshooting experience helps you identify and resolve issues with your web app.

 **App Service Advisor**
App Service Advisor provides insights for improving app experience on the App Service platform. Recommendations are sorted by freshness, priority and impact to your app.

Http 5xx 

Data In 

Data Out 

App info in Azure

Edit Post

Title

Lorem ipsum dolor sit amet

Image

No file selected.

Author

John Smith

Body

Proin sit amet mi ornare, ultrices augue quis, facilisis tellus. Quisque neque dui, tincidunt sed volutpat quis, maximus sed est. Sed justo orci, rhoncus ac nulla eu, rhoncus luctus justo. Etiam maximus, felis eu varius fermentum, libero orci egestas purus. Id condimentum mauris orci nec nibh. Vivamus risus ipsum, semper vel nibh in, suscipit commodo massa. Suspendisse non velit vitae neque condimentum viverra vel eget enim. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilla Curae; Vivamus fermentum sagittis ligula et fringilla. Aenean nec lacinia lacus.

Edit default Article

Edit Post

Title

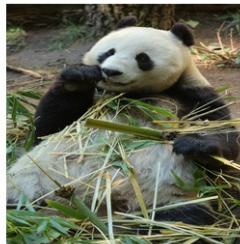
Hello World!

Author

Jane Doe

Body

My name is Jane Doe and this is my first article!



Image

No file selected.

My Hello World! post

ID	Title	Author	Has Image?	
1	Lorem Ipsum dolor sit amet	John Smith	False	Edit Post
2	Hello World!	Jane Doe	True	Edit Post

Create New Post

My Hello World! post in the Article CMS

Security & Monitoring

Microsoft Azure 🔍 Search resources, services, and docs (G+/) 🖨️ 📄 📧 ⚙️ ? 🗑️ albertopardomarti@gm... UDACITY TENANT CMS PROJECT

All services > tenantcmsprojectapp

tenantcmsprojectapp | Authentication 🔍 ⋮

🔍 Search (Ctrl+/) « 📄 Save ✕ Discard | ❤️ Got feedback?

📄 Overview
📄 Quickstart
🔧 Integration assistant

Manage

📄 Branding

🔑 Authentication

🔑 Certificates & secrets
📄 Token configuration
🔧 API permissions
📄 Expose an API
📄 App roles
📄 Owners
👤 Roles and administrators | Preview
📄 Manifest

Support + Troubleshooting

🔧 Troubleshooting
👤 New support request

Platform configurations

Depending on the platform or device this application is targeting, additional configuration may be required such as redirect URIs, specific authentication settings, or fields specific to the platform.

+ Add a platform

Web Quickstart Docs 🗑️

Redirect URIs

The URIs we will accept as destinations when returning authentication responses (tokens) after successfully authenticating or signing out users. Also referred to as reply URLs. [Learn more about Redirect URIs and their restrictions](#)

https://post-app.azurewebsites.net/getAToken 🗑️

Add URI

Front-channel logout URL

This is where we send a request to have the application clear the user's session data. This is required for single sign-out to work correctly.

https://post-app.azurewebsites.net/login ✓

Implicit grant and hybrid flows

Request a token directly from the authorization endpoint. If the application has a single-page architecture (SPA) and doesn't use the authorization code flow, or if it invokes a web API via JavaScript, select both access tokens and ID tokens.

Redirect URI

Successfully login

Failed Login