

AAD Auth User Guide

Create Resource

1. Make sure you have Az module

installed: <https://www.powershellgallery.com/packages/Az/> (>version 1.4.0)

2. Login

```
Connect-AzAccount
```

3. Make sure you are in the right subscription.

```
Set-AzContext -Subscription "3a96ef56-xxxx-xxxx-xxxx-fb125c2b8798"
```

4. Create a resource with a custom subdomain

```
$resource = (New-AzCognitiveServicesAccount -ResourceGroupName meng-test -  
Name test-cm-aad -Type "ContentModerator" -SkuName "S0" -Location "Central US  
EUAP" -CustomSubdomainName "cmaad")
```

5. Record your Endpoint

```
$resource
```

```
ResourceGroupName      : meng-test  
AccountName            : test-cm-aad  
Id                     : /subscriptions/c830bb7a-83f5-45e3-81fc-3c2053e7d16f/resourceGroups/meng-test/providers/Microsoft.CognitiveServices/accounts/test-cm-aad  
Endpoint               : https://cmaad.cognitiveservices.azure.com/  
Location               : Central US EUAP  
Sku                    : Microsoft.Azure.Management.CognitiveServices.Models.Sku  
AccountType            : ContentModerator  
ResourceType           : Microsoft.CognitiveServices/accounts  
Etag                   : "03001b95-0000-3300-0000-63636f830000"  
ProvisioningState       : Succeeded  
CustomSubdomainName    : cmaad  
PublicNetworkAccess     : Enabled  
Identity               :  
Encryption             :  
UserOwnedStorage       :  
PrivateEndpointConnections : {}  
ApiProperties           :  
Properties              : Microsoft.Azure.Management.CognitiveServices.Models.AccountProperties  
RestrictOutboundNetworkAccess :  
AllowedFqdnList         :  
DisableLocalAuth       :  
NetworkRuleSet         :  
Capabilities            : {DynamicThrottling, VirtualNetworks, Container}  
Tags                   :
```

Create AAD app

0. Create AAD Application

```
New-AzADApplication -DisplayName "cmaadtestapp"
```

```
PS C:\WINDOWS\system32> New-AzADApplication -DisplayName "cmaadtestapp"
```

DisplayName	Id	AppId
-----	--	----
cmaadtestapp	6a41b30d-812b-4d42-8429-389dde217cb2	7335ecd3-a1a2-4fb9-8137-ef26fe560c74

1. Create Service Principal

```
New-AzADServicePrincipal -ApplicationId "<AAD AppId got above>"
```

```
PS C:\WINDOWS\system32> New-AzADServicePrincipal -ApplicationId 7335ecd3-a1a2-4fb9-8137-ef26fe560c74
```

DisplayName	Id	AppId
-----	--	----
cmaadtestapp	e0ca9098-d9f7-4ed4-aa37-bae8c9013239	7335ecd3-a1a2-4fb9-8137-ef26fe560c74

0. Get the object Id and assign Cognitive Services User role on the resource created above

```
$objectId=(Get-AzADServicePrincipal -DisplayName cmaadtestapp).Id  
New-AzRoleAssignment -ObjectId $objectId -scope $resource.Id -  
RoleDefinitionName "Cognitive Services User"
```

```
PS C:\WINDOWS\system32> $objectId=(Get-AzADServicePrincipal -DisplayName cmaadtestapp).Id  
PS C:\WINDOWS\system32> New-AzRoleAssignment -ObjectId $objectId -scope $resource.Id -RoleDefinitionName "Cognitive Services User"  
WARNING: We have migrated the API calls for this cmdlet from Azure Active Directory Graph to Microsoft Graph.  
Visit https://go.microsoft.com/fwlink/?linkid=2181475 for any permission issues.  
  
RoleAssignmentName : 02f892cf-be43-49e7-80e2-a85b4aad4d4f  
RoleAssignmentId    : /subscriptions/c830b07a-83f5-45e3-81fc-3c2853e7d16f/resourceGroups/meng-test/providers/Microsoft.CognitiveServices/accounts/test-cm-aad/providers/Microsoft.Authorization/roleAssignments/02f892cf-be43-49e7-80e2-a85b4aad4d4f  
Scope               : /subscriptions/c830b07a-83f5-45e3-81fc-3c2853e7d16f/resourceGroups/meng-test/providers/Microsoft.CognitiveServices/accounts/test-cm-aad  
DisplayName         : cmaadtestapp  
SignInName         :  
RoleDefinitionName  : Cognitive Services User  
RoleDefinitionId    : e8786553-24c7-4388-baec-2e87135dc988  
ObjectId            : e8ca9098-d9f7-4e04-aa37-bae8c9813239  
ObjectType          : ServicePrincipal  
CanDelegate         : False  
Description         :  
ConditionVersion    :  
Condition           :
```

Validate AAD Access

1. Go to your AAD app in Azure Portal and create a secret
Copy the "Value" of the secret, you will not see it again after close this page

Home > cmaadtestapp

cmaadtestapp | Certificates & secrets

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Support + Troubleshooting

Troubleshooting

New support request

Got a second to give us some feedback? →

Credentials enable confidential applications to identify themselves to the authentication service when receiving tokens at a web addressable location (using an HTTPS scheme). For a higher level of assurance, we recommend using a certificate (instead of a client secret) as a credential.

Application registration certificates, secrets and federated credentials can be found in the tabs below.

Certificates (0) **Client secrets (1)** Federated credentials (0)

A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password.

+ New client secret

Description	Expires	Value	Secret ID
Test CM AAD	5/3/2023	[Redacted]	[Redacted]

2. Get Access Token

```
$SecuredPassword = ConvertTo-SecureString '<Secret Value copied above>' -  
AsPlainText -Force  
$ApplicationId = "<AAD App Id got above>"  
$TenantId = "<Your Tenant Id>"  
$Credential = New-Object -TypeName  
System.Management.Automation.PSCredential ($ApplicationId,$SecuredPassword)  
Connect-AzAccount -ServicePrincipal -TenantId $TenantId -Credential $Credential  
$token= Get-AzAccessToken -ResourceUrl https://cognitiveservices.azure.com/  
$token.Token
```

[illegible]

3. Make HTTP Request by Postman

Use your endpoint:

POST

https://cmaad.cognitiveservices.azure.com/contentmoderator/moderate/text/detect?api-version=2022-09-30-preview

Params

Authorization

Headers (10)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

2

3

4

text

body

```
1 {
2   "text": "You are an idiot.",
3   "categories": []
4 }
```

Choose "Bearer Token" as authorization method and fill in the token you got from last step:

POST

https://cmaad.cognitiveservices.azure.com/contentmoderator/moderate/text/detect?api-version=2022-09-30-preview

Params

Authorization

Headers (10)

Body

Pre-request Script

Tests

Settings

Type

Bearer Token

The authorization header will be automatically generated when you send the request. [Learn more about authorization >](#)

Token

eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsIngw...