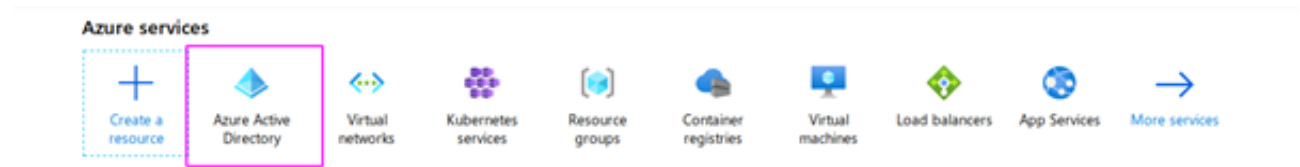
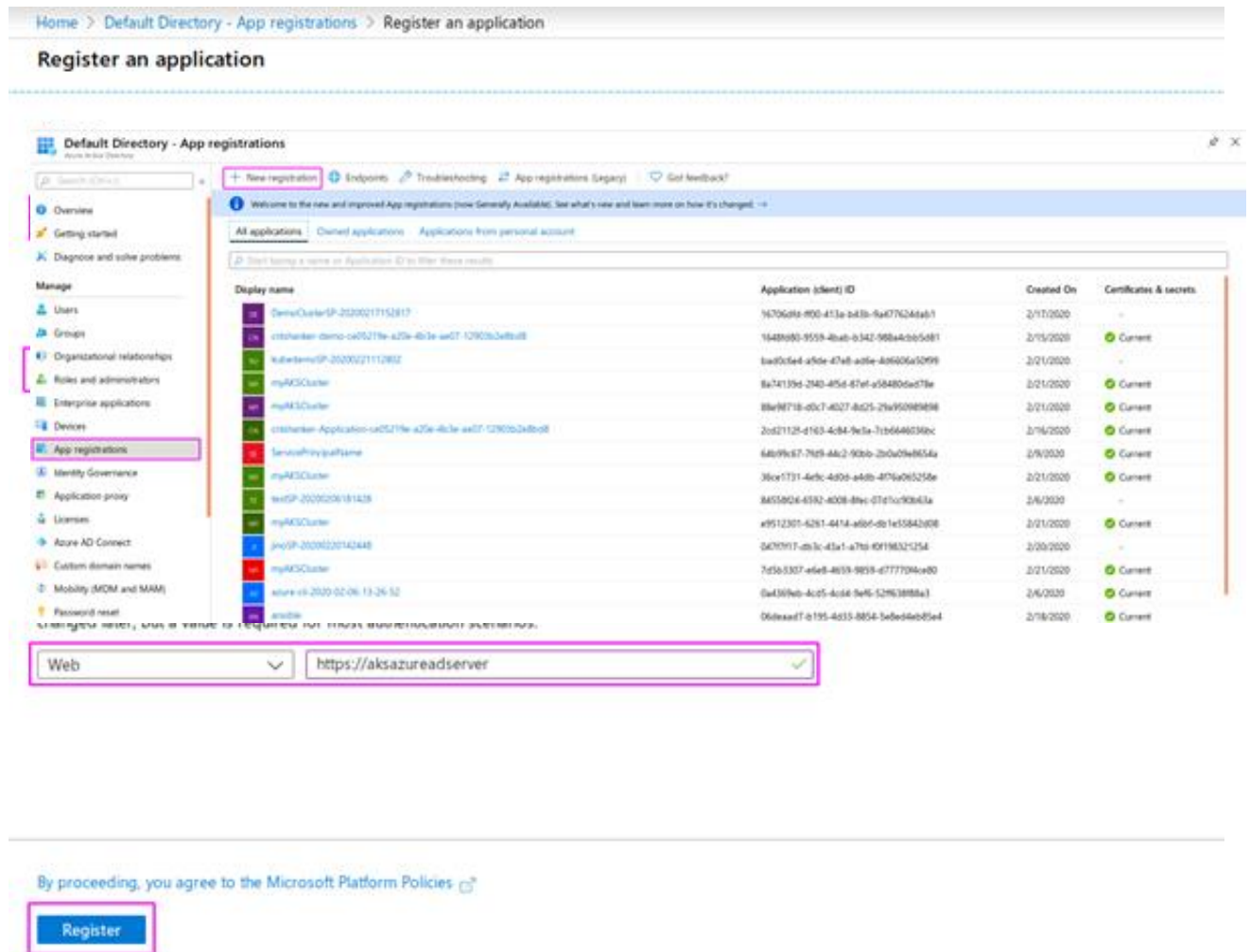


Kubernetes cluster integrated with AAD.



Create AksAADSERVER



AKSAzureADServer

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New support request

Get a second? We would love your feedback on Microsoft identity platform (previously Azure AD for developer). →

Display name

AKSAzureADServer

Application (client) ID

0bec6e42-b429-46d6-b002-65f731d46683

Directory (tenant) ID

2e1827e-e65c-4b1a-9cd1-00d866e142b6

Object ID

e91582ae-d75b-4aee-9a82-530ede5f06a3

Supported account types

My organization only

Redirect URIs

1 web, 0 public client

Application ID URI

Add an Application ID URI

Managed application in...

AKSAzureADServer

Welcome to the new and improved App registrations. Looking to learn how it's changed from App registrations (Legacy)? Learn more

Call APIs

Build more powerful apps with rich user and business data from Microsoft services and your own company's data sources.

View API permissions

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[Microsoft identity platform](#)
[Authentication scenarios](#)
[Authentication libraries](#)
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[Help and Support](#)

Sign in users in 5 minutes

Use our SDKs to sign in users and call APIs in a few steps.

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New support request

The editor below allows you to update this application by directly modifying its JSON representation. For more details, see [App registration JSON schema](#).

```

1 {
2   "id": "e91582ae-d75b-4aee-9a82-530ede5f06a3",
3   "acceptMappedClaims": null,
4   "accessTokenAcceptedVersion": null,
5   "addIns": [],
6   "allowPublicClient": null,
7   "appId": "0bec6e42-b429-46d6-b002-65f731d46683",
8   "appRoles": [],
9   "oauth2AllowUrlPathMatching": false,
10  "createdDateTime": "2020-02-23T06:37:50Z",
11  "groupMembershipClaims": "All",
12  "identifierUris": [],
13  "informationalUris": {
14    "termsOfService": null,
15    "support": null,
16    "privacy": null,
17    "marketing": null
18  },
19  "keyCredentials": [],
20  "knownClientApplications": [],
21  "logoUrl": null,
22  "logoutUrl": null,
23  "name": "AKSAzureADServer",
24  "oauth2AllowIdTokenImplicitFlow": false,
25  "oauth2AllowImplicitFlow": false,

```

AKSAzureADServer - Certificates & secrets

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Troubleshooting
New support request

Add a client secret

Description
AKS Azure AD server

Expires
☐ In 1 year
☐ In 2 years
☒ Never

Add Cancel

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
No client secrets have been created for this application.		

AKSAzureADServer - Certificates & secrets

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Copy the new client secret value. You won't be able to retrieve it after you perform another operation or leave this blade.

Credentials enable 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.

Certificates

Certificates can be used as secrets to prove the application's identity when requesting a token. Also can be referred to as public keys.

Upload certificate

No certificates have been added for this application.

Thumbprint	Start Date	Expires
------------	------------	---------

Client secrets

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
AKS Azure AD server	12/31/2299	z4tK4bkq-Vw@.ftPL2[nGF1B.8DDZvq1

Note the key value, which is displayed only at this time. When you deploy an Azure AD-enabled AKS cluster, this value is called the server application secret.

Save: z4tK4bkq-Vw@.ftPL2[nGF1B.8DDZvq1

AKSAzureADServer - API permissions

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New support request

Configured permissions

Applications are authorized to call APIs when they are granted permissions by users/admins & include all the permissions the application needs. [Learn more about permissions and consent.](#)

Add a permission

Grant admin consent for Default Directory

API / Permissions name	Type	Description
Microsoft Graph (1)		
User.Read	Delegated	Sign in and read user profile

Request API permissions

Select an API

Microsoft APIs

APIs my organization uses

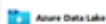
My APIs

Commonly used Microsoft APIs



Microsoft Graph

Take advantage of the tremendous amount of data in Office 365, Enterprise Mobility + Security, and Windows 10. Access Azure AD, Excel, Intune, Outlook/Exchange, OneDrive, OneNote, SharePoint, Planner, and more through a single endpoint.



Azure Data Lake

Access to storage and compute for big data analytic scenarios



Azure DevOps

Integrate with Azure DevOps and Azure DevOps server



Azure Service Management

Programmatic access to much of the functionality available through the Azure portal



Azure Storage

Secure, massively scalable object and data lake storage for unstructured and semi-structured data



Office 365 Management APIs

Retrieve information about user, admin, system, and policy actions and events from Office 365 and Azure AD activity

More Microsoft APIs



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Schedule large-scale parallel and HPC applications in the cloud



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Programmatic access to Data Catalog resources to register, annotate and search data assets



Azure Data Explorer

Perform ad-hoc queries on terabytes of data to build near real-time and complex analytics solutions



Azure Data Explorer (with Multifactor Authentication)

Perform ad-hoc queries on terabytes of data to build near real-time and complex analytics solutions



Azure Import/Export

Programmatic control of import/export jobs



Azure Key Vault

Manage your key vaults as well as the keys, secrets, and certificates within your Key Vaults

AKSAzureADServer - API permissions

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User.Read	Delegated	Sign in and read user profile

Request API permissions

All APIs



Microsoft Graph

<https://graph.microsoft.com/>

Docs

What type of permissions does your application require?

Delegated permissions

Your application needs to access the API as the signed-in user.

Application permissions

Your application runs as a background service or daemon without a signed-in user.

AKSAzureADServer - API permissions

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User.Read	Delegated	Sign in and read user profile

All APIs

DelegatedPermissionGrant

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DeviceManagementApps

DeviceManagementConfiguration

DeviceManagementManagedDevices

DeviceManagementRBAC

DeviceManagementServiceConfig

Directory (1)

☐ Directory.AccessAsUser.All
Access directory as the signed-in user

☒ Directory.Read.All
Read directory data

☐ Directory.ReadWrite.All
Read and write directory data

EAS

EduAdministration

EduAssignments

EduRoster

EntitlementManagement

EWS

ExternalItem

Family

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New support request

You are adding permission(s) to your application, users will have to consent even if they've already consented.

Configured permissions

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Add a permission

Grant admin consent for Default Directory

API / Permissions name	Type	Description
Microsoft Graph (2)		
Directory.Read.All	Delegated	Read directory data
User.Read	Delegated	Sign in and read user profile

Select an API

Microsoft APIs | APIs my organization uses | My APIs

Commonly used Microsoft APIs

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All APIs

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New support request

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Configured permissions

Applications are authorized to call APIs when they are granted permissions by users/admins. Include all the permissions the application needs. [Learn more about permissions and consent.](#)

Add a permission

Grant admin consent for Default Directory

API / Permissions name	Type	Description
Microsoft Graph (2)		
Directory.Read.All	Delegated	Read directory data
User.Read	Delegated	Sign in and read user profile

All APIs

Directory (1)

Directory.Read.All

Read directory data

Yes

Directory.ReadWrite.All

Read and write directory data

Yes

Domain

EduAdministration

Add permissions

Discard

AKSAzureADServer - API permissions

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Support + Troubleshooting

- Troubleshooting
- New support request

Do you want to grant consent for the requested permissions for all accounts in Default Directory? This will update any existing admin consent records this application already has to match what is listed below.

Include all the permissions the application needs. [Learn more about permissions and consent](#)

API / Permissions name	Type	Description	Admin Consent Requ...	Status
Microsoft Graph (2)				
Directory.Read.All	Delegated	Read directory data	Yes	Not granted for Default ...
Directory.Read.All	Application	Read directory data	Yes	Not granted for Default ...
User.Read	Delegated	Sign in and read user profile	-	...

AKSAzureADServer - API permissions

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- Troubleshooting
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Grant consent successful

Successfully granted admin consent for the requested permissions.

Configured permissions

Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permissions should include all the permissions the application needs. [Learn more about permissions and consent](#)

API / Permissions name	Type	Description	Admin Consent Requ...	Status
Microsoft Graph (2)				
Directory.Read.All	Delegated	Read directory data	Yes	Granted for Default One ...
Directory.Read.All	Application	Read directory data	Yes	Granted for Default One ...
User.Read	Delegated	Sign in and read user profile	-	Granted for Default One ...

AKSAzureADServer - Expose an API

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- Troubleshooting
- New support request

Application ID URI [Get](#)

Scopes defined by this API

Define custom scopes to restrict access to data and functionality protected by the API. An application that requires access to parts of this API can request that a user or admin consent to one or more of these.

Scopes	Who Can Consent	Admin Consent Display N...	User Consent Display
No scopes have been defined			

Authorized client applications

Authorizing a client application indicates that this API trusts the application and users should not be asked to consent when the client calls this API.

Client Id	Scopes
No client applications have been authorized	

You'll need to set an Application ID URI before you can add a permission. We've chosen one, but you can change it.

Application ID URI [Get](#)

[api://bce5e42-0429-46d5-b002-65731d46668](#)

AKSAzureADServer - Expose an API

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Troubleshooting

New support request

Application ID URI

api/0becfe42-b429-46d5-b002-459731446683

Edit

Scopes defined by this API

Define custom scopes to restrict access to data and functionality protected by the API. An application that requires access to parts of this API can request that a user or admin consent to one or more of these.

+ Add a scope

Scopes	Who Can Consent	Admin Consent Display N...	User Consent Display
No scopes have been defined			

Authorized client applications

Authorizing a client application indicates that this API trusts the application and users should not be asked to consent when the client calls this API.

+ Add a client application

Client Id	Scopes
No client applications have been authorized	

Scope name

AKSAzureADServer

api/0becfe42-b429-46d5-b002-459731446683/AKSAzureADServer

Who can consent?

Admins and users

Admins only

Admin consent display name

AKSAzureADServer

Admin consent description

AKSAzureADServer

User consent display name

e.g. Read your files

User consent description

e.g. Allows the app to read your files.

State

Enabled

Disabled

Add scope

Cancel

AKSAzureADServer

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New support request

Delete

Endpoints

Got a second? We would love your feedback on Microsoft identity platform (previously Azure AD for developers) ->

Display name	AKSAzureADServer	Supported account types	My organization only
Application (client) ID	0becfe42-b429-46d5-b002-459731446683	Redirect URIs	1 web, 0 public client
Directory (tenant) ID	263827e-e65c-4b1a-9c0f-000868e142b6	Application ID URI	api/0becfe42-b429-46d5-b002-459731446683
Object ID	a91582ae-d792-4aee-9a82-530dc5f06a3	Managed application in...	AKSAzureADServer

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Sign in users in 5 minutes

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<div> <div>Manage</div> <div> <div>Users</div> <div>Groups</div> <div>Organizational relationships</div> <div>Roles and administrators</div> <div>Enterprise applications</div> <div>Devices</div> <div>App registrations</div> <div>Identity Governance</div> <div>Application proxy</div> <div>Licenses</div> <div>Azure AD Connect</div> <div>Custom domain names</div> <div>Mobility (MDM and MAM)</div> <div>Password reset</div> </div> </div>																																																															
<div> <div>Welcome to the new and improved App registrations (now Generally Available). See what's new and learn more on how it's changed.</div> <div> <div>All applications</div> <div>Owned applications</div> <div>Applications from personal account</div> </div> <div> <div>Start filtering a report on Application ID to filter these results.</div> <table> <tr> <th>Display name</th><th>Application (client) ID</th><th>Created On</th><th>Certificates & secrets</th></tr> <tr> <td>DemoClusterSP-20200211152817</td><td>16706612-800-471e-b43b-9a476244ab1</td><td>2/11/2020</td><td>-</td></tr> <tr> <td>critchanker-demo-ca05219e-a25e-4b3e-ae07-12903e3efb08</td><td>1548b80-9559-4ba0-b342-988a4c65d81</td><td>2/15/2020</td><td>Current</td></tr> <tr> <td>kubertens/SP-2020021112802</td><td>1a05c5e4-a5de-47e8-ae0e-40606a50999</td><td>2/11/2020</td><td>-</td></tr> <tr> <td>myAKSCluster</td><td>8a74139d-2340-4f5d-87ef-a584806e078e</td><td>2/11/2020</td><td>Current</td></tr> <tr> <td>myAKSCluster</td><td>88e8f718-d0c7-4d27-8c25-29a950989898</td><td>2/11/2020</td><td>Current</td></tr> <tr> <td>critchanker-Application-ca05219e-a25e-4b3e-ae07-12903e3efb08</td><td>2c021120-d163-4d84-9c3a-71b6646039bc</td><td>2/16/2020</td><td>Current</td></tr> <tr> <td>ServiceProxyPlatform</td><td>64b09e67-76f9-48c2-90bb-2b0a09e8654a</td><td>2/9/2020</td><td>Current</td></tr> <tr> <td>myAKSCluster</td><td>36ce1731-4e6c-4d5d-a46b-479a065258e</td><td>2/11/2020</td><td>Current</td></tr> <tr> <td>testSP-20200206181428</td><td>8d55804-6592-4008-89e0-07e1c908633a</td><td>2/6/2020</td><td>-</td></tr> <tr> <td>myAKSCluster</td><td>a9512301-6261-4414-a66f-d01e5842608</td><td>2/11/2020</td><td>Current</td></tr> <tr> <td>mySP-2020020142448</td><td>04707017-d83c-43a1-a76b-09186321254</td><td>2/20/2020</td><td>-</td></tr> <tr> <td>myAKSCluster</td><td>7d5b-5307-a6e8-4019-9819-d777704e00</td><td>2/11/2020</td><td>Current</td></tr> <tr> <td>azure-ak-2020-02-06-13-26-52</td><td>0a4369eb-4c05-4c68-9e46-52963888a3</td><td>2/6/2020</td><td>Current</td></tr> <tr> <td>anobite</td><td>061eead7-0195-4635-8854-5e6ed4eb85e4</td><td>2/18/2020</td><td>Current</td></tr> </table> </div> </div>				Display name	Application (client) ID	Created On	Certificates & secrets	DemoClusterSP-20200211152817	16706612-800-471e-b43b-9a476244ab1	2/11/2020	-	critchanker-demo-ca05219e-a25e-4b3e-ae07-12903e3efb08	1548b80-9559-4ba0-b342-988a4c65d81	2/15/2020	Current	kubertens/SP-2020021112802	1a05c5e4-a5de-47e8-ae0e-40606a50999	2/11/2020	-	myAKSCluster	8a74139d-2340-4f5d-87ef-a584806e078e	2/11/2020	Current	myAKSCluster	88e8f718-d0c7-4d27-8c25-29a950989898	2/11/2020	Current	critchanker-Application-ca05219e-a25e-4b3e-ae07-12903e3efb08	2c021120-d163-4d84-9c3a-71b6646039bc	2/16/2020	Current	ServiceProxyPlatform	64b09e67-76f9-48c2-90bb-2b0a09e8654a	2/9/2020	Current	myAKSCluster	36ce1731-4e6c-4d5d-a46b-479a065258e	2/11/2020	Current	testSP-20200206181428	8d55804-6592-4008-89e0-07e1c908633a	2/6/2020	-	myAKSCluster	a9512301-6261-4414-a66f-d01e5842608	2/11/2020	Current	mySP-2020020142448	04707017-d83c-43a1-a76b-09186321254	2/20/2020	-	myAKSCluster	7d5b-5307-a6e8-4019-9819-d777704e00	2/11/2020	Current	azure-ak-2020-02-06-13-26-52	0a4369eb-4c05-4c68-9e46-52963888a3	2/6/2020	Current	anobite	061eead7-0195-4635-8854-5e6ed4eb85e4	2/18/2020	Current
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myAKSCluster	8a74139d-2340-4f5d-87ef-a584806e078e	2/11/2020	Current																																																												
myAKSCluster	88e8f718-d0c7-4d27-8c25-29a950989898	2/11/2020	Current																																																												
critchanker-Application-ca05219e-a25e-4b3e-ae07-12903e3efb08	2c021120-d163-4d84-9c3a-71b6646039bc	2/16/2020	Current																																																												
ServiceProxyPlatform	64b09e67-76f9-48c2-90bb-2b0a09e8654a	2/9/2020	Current																																																												
myAKSCluster	36ce1731-4e6c-4d5d-a46b-479a065258e	2/11/2020	Current																																																												
testSP-20200206181428	8d55804-6592-4008-89e0-07e1c908633a	2/6/2020	-																																																												
myAKSCluster	a9512301-6261-4414-a66f-d01e5842608	2/11/2020	Current																																																												
mySP-2020020142448	04707017-d83c-43a1-a76b-09186321254	2/20/2020	-																																																												
myAKSCluster	7d5b-5307-a6e8-4019-9819-d777704e00	2/11/2020	Current																																																												
azure-ak-2020-02-06-13-26-52	0a4369eb-4c05-4c68-9e46-52963888a3	2/6/2020	Current																																																												
anobite	061eead7-0195-4635-8854-5e6ed4eb85e4	2/18/2020	Current																																																												

Register an application

Name

The user-facing display name for this application (this can be changed later).

Supported account types

Who can use this application or access this API?

- ☒ Accounts in this organizational directory only (Default Directory only - Single tenant)
 ☐ Accounts in any organizational directory (Any Azure AD directory - Multitenant)
 ☐ Accounts in any organizational directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)

[Help me choose...](#)

Redirect URI (optional)

We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.

By proceeding, you agree to the [Microsoft Platform Policies](#)

AKSAzureADClient - API permissions

Search (Ctrl+Q)

Refresh

Overview

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Token configuration (preview)

API permissions

Expose an API

Owners

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Troubleshooting

New support request

Configured permissions

Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permissions should include all the permissions the application needs. [Learn more about permissions and consent.](#)

Add a permission

Grant admin consent for Default Directory

API / Permissions name	Type	Description
Microsoft Graph (1)		
User.Read	Delegated	Sign in and read user profile

Select an API

Microsoft APIsAPIs my organization usesMy APIs

Applications that expose permissions are shown below

Name	Application (client) ID
AKSAzureADServer	0bec6e42-b429-4606-b002-650731646683

AKSAzureADClient - API permissions

Search (Ctrl+Q)

Refresh

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Grant admin consent for Default Directory

API / Permissions name	Type	Description
Microsoft Graph (1)		
User.Read	Delegated	Sign in and read user profile

AKSAzureADServer

api/0bec6e42-b429-4606-b002-650731646683

What type of permissions does your application require?

Delegated permissions

Your application needs to access the API as the signed-in user.

Application permissions

Your application runs as a background service or daemon without a signed-in user.

Select permissions

Type to search

Permission	Admin Consent Required
AKSAzureADServerAKSAzureADServer	Yes

Add permissions

Discard

AKSAzureADClient - API permissions

Search (Ctrl+Q)

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New support request

Configured permissions

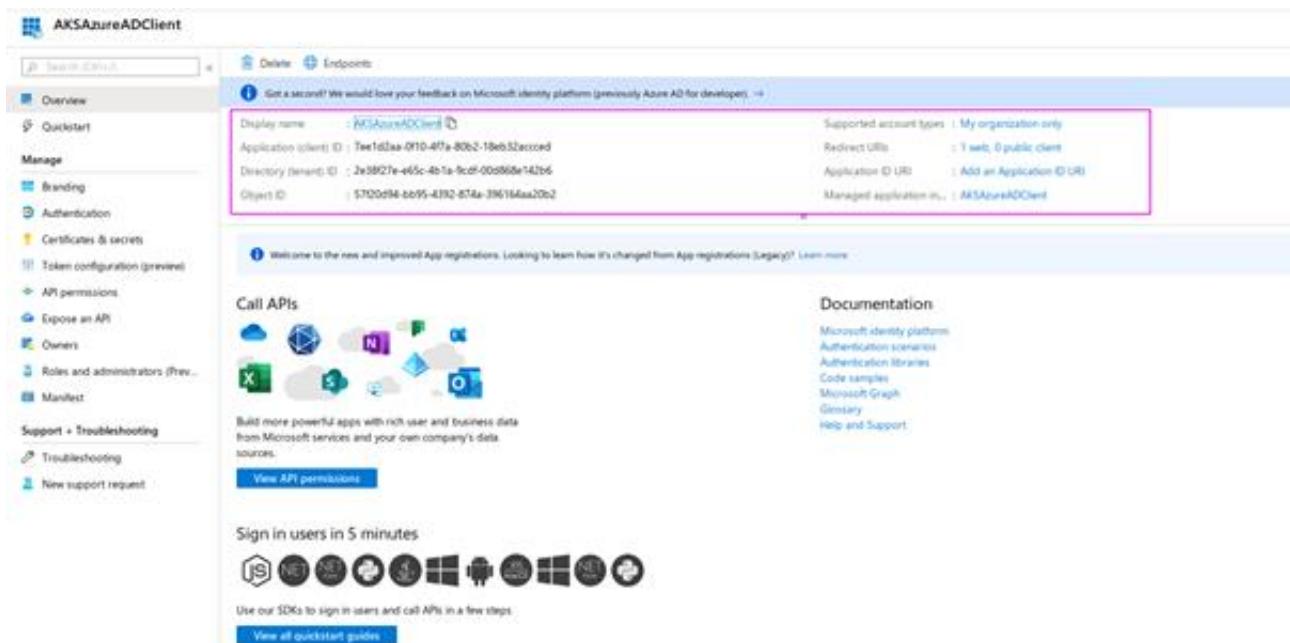
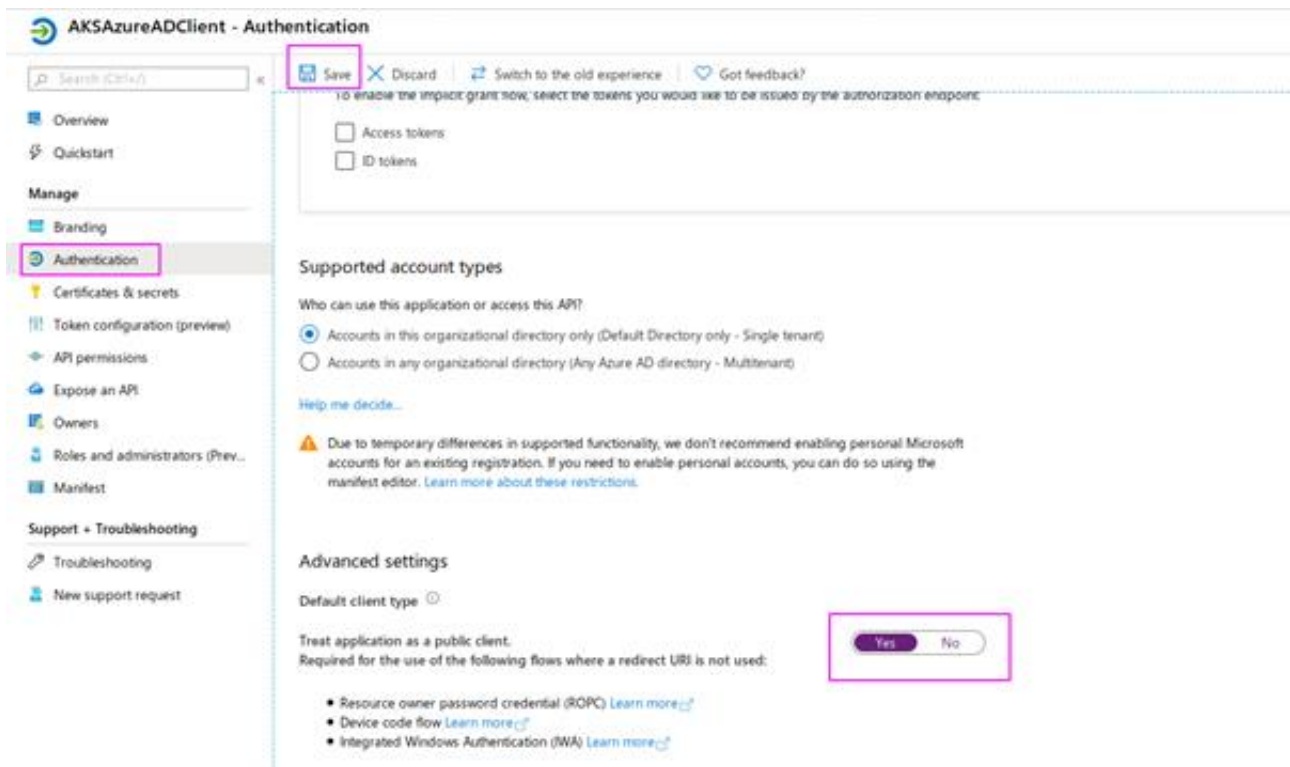
Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permissions should include all the permissions the application needs. [Learn more about permissions and consent.](#)

Add a permission

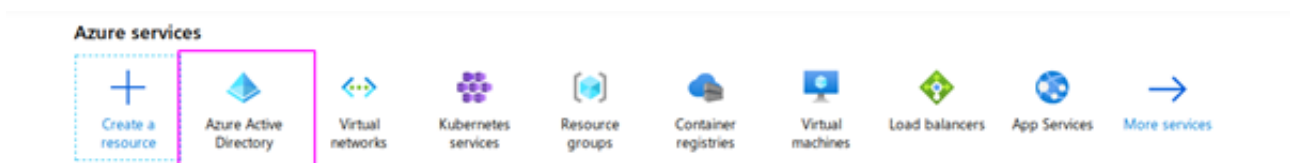
Grant admin consent for Default Directory

API / Permissions name	Type	Description	Admin Consent Required	Status
AKSAzureADServer (1)				
AKSAzureADServer	Delegated	AKSAzureADServer	Yes	Not granted for Default Directory
Microsoft Graph (1)				
User.Read	Delegated	Sign in and read user profile	-	

Success



To Find tenant ID for AAD



Default Directory - Properties
Azure Active Directory

Search (Ctrl+F) Save Discard

Directory properties

Name *
Default Directory

Country or region
India

Location
Asia, United States, Europe datacenters

Notification language
English

Directory ID
2e38f27e-e65c-4b1a-9cdf-00d868e142b6

Technical contact
cnlshanker@outlook.com

Global privacy contact

Privacy statement URL

Access management for Azure resources
Shanker Cnl (cnlshanker@outlook.com) can manage access to all Azure subscriptions and management groups in this directory. [Learn more](#)

Yes No

Create Resource Group

```
shanker@Azure:~$ az group create --name myResourceGroup --location eastus
{
  "id": "/subscriptions/ce05219e-a20e-4b3e-ae07-12903b2e8bd8/resourceGroups/myResourceGroup",
  "location": "eastus",
  "managedBy": null,
  "name": "myResourceGroup",
  "properties": {
    "provisioningState": "Succeeded"
  },
  "tags": null,
  "type": "Microsoft.Resources/resourceGroups"
}
shanker@Azure:~$
```

Create AKS cluster with in Resourcegroup

```
shanker@Azure:~$ az aks create \
> --resource-group myResourceGroup \
> --name myAKSCluster \
> --generate-ssh-keys \
> --aad-server-app-id 0bec6e42-b429-46d6-b002-65f731d46683 \
> --aad-server-app-secret z4tK4bkq-Vw@.ftPL2{nGF1B.8DDZvq1 \
> --aad-client-app-id 7ee1d2aa-0f10-4f7a-80b2-18eb32accdd \
> --aad-tenant-id 2e38f27e-e65c-4b1a-9cdf-00d868e142b6 \
> --enable-rbac \
> --node-count 2
Argument 'enable-rbac' has been deprecated and will be removed in a future release. Use '--disable-rbac' instead.
Finished service principal creation[#####] 100.0000%
```

Finally Create kubernetes cluster

Kubernetes services myAKSCluster - Properties

Search (Ctrl+F)

Filter by name

Name: myAKSCluster

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Node pools

Upgrade

Scale

Networking

Dev Spaces

Deployment center (preview)

Policies (preview)

Properties

Locks

Export template

Monitoring

Insights

Metrics

Logs

Workbooks

Support + troubleshooting

New support request

RBAC

Enabled

Workspace resource id

Infrastructure resource group

MC_myResourceGroup_myAKSCluster_eastus

HTTP application routing domain

N/A

Resource ID

/subscriptions/c05219e-a20e-4b3e-ae07-12903b2e8bd8/resourcegroups/myResourceGroup/providers/Microsoft.ContainerService/managedClusters/myAKSCluster

Location

East US

Resource group

myResourceGroup

Subscription name

Free Trial

Subscription ID

c05219e-a20e-4b3e-ae07-12903b2e8bd8

Page 1 of 1

create developers group in AAD for allow permissions to kubernetes cluster to auth.

Default Directory - Overview Documentation

Search (Ctrl+F)

Switch directory | Delete directory | Create a directory | What's new | Got feedback?

Overview

Getting started

Diagnose and solve problems

Manage

Users

Groups

Organizational relationships

Roles and administrators

Enterprise applications

Devices

Default Directory

cnbhanteroutlook.onmicrosoft.com

Your role: Global administrator [More info](#)

Tenant ID: 2e38027e-e65c-4b1a-9c0f-00d88de142b4

Azure AD Free

Azure AD Connect

Status: Not enabled

Last sync: Sync has never run

Find

Users

Search

+ New group | Download groups | Delete | Refresh | Preview info | Columns | Got feedback?

Try out the new Groups experience improvements (improved search and filtering). Click to enable the preview. →

Search groups | Add filters

Name	Object Id	Group Type	Membership Type	Email	Source
<input type="checkbox"/> appdev	865fbd59-df28-4854-8e2e-66b778...	Security	Assigned		Cloud

New Group

Group type *

Security

Group name * ⓘ

developers

Group description ⓘ

group of developing users

Membership type ⓘ

Assigned

Owners

No owners selected

Members

No members selected

Create

+ New group

Download groups

Delete

Refresh

Preview info



Columns

Got feedback?

Try out the new Groups experience improvements (improved search and filtering). Click to enable the preview. →

Search groups

Add filters

	Name	Object id	Group Type	Membership Type	Email	Source
<input type="checkbox"/>	 developers	d355dc53-7d80-4e46-8c6a-1b00ed...	Security	Assigned		Cloud
<input type="checkbox"/>	 appdev	865fbd59-d028-4854-8e2e-66b778...	Security	Assigned		Cloud

Users - All users Default Directory - Azure Active Directory Document

[New user](#) [New guest user](#) [Bulk create](#) [Bulk invite](#) [Bulk delete](#) [Download users](#) [Refresh](#) [Reset password](#) [Multi-Factor Authentication](#) [Delete user](#) [Columns](#)

Search Search attributes Show

Name	User name	User type	Source
<input type="checkbox"/> AKS Dev	aksdev@cnishankeroutlook.onmicrosoft.com	Member	Azure Active Directory
<input type="checkbox"/> JNO	j@cnishankeroutlook.onmicrosoft.com	Member	Azure Active Directory
<input type="checkbox"/> Shanker Crl	cnishanker@outlook.com	Member	Microsoft Account

New user Default Directory

[Get feedback?](#)

Create user

Create a new user in your organization. This user will have a user name like `aksdev@cnishankeroutlook.onmicrosoft.com`. [I want to create users in bulk](#)

Invite user

Invite a new guest user to collaborate with your organization. The user will be emailed an invitation they can accept in order to begin collaborating. [I want to invite guest users in bulk](#)

[Help me decide](#)

Identity

User name *

Name *

First name

Last name

Password

☒ Auto-generate password ☐ Let me create the password

Initial password [Show Password](#)

Groups and roles

Groups

Roles

[Create](#)

Select groups in which this user is to be a member

☒ appdev

☒ developers Selected

Selected groups

☒ developers [Remove](#)

[Select](#)

verify cluster admin able to access kubernetes cluster

```
shanker@Azure:~$ az aks get-credentials --resource-group myResourceGroup --name myAKSCluster --admin
A different object named myAKSCluster already exists in your kubeconfig file.
Overwrite? (y/n): y
A different object named myAKSCluster-admin already exists in your kubeconfig file.
Overwrite? (y/n): y
Merged "myAKSCluster-admin" as current context in /home/shanker/.kube/config
shanker@Azure:~$ kubectl get all
NAME                                TYPE                CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
service/kubernetes                  ClusterIP           10.0.0.1         <none>            443/TCP           27m
shanker@Azure:~$ kubectl get all -A
NAMESPACE   NAME                                     TYPE                CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
kube-system pod/coredns-6c66fc4fcb-9c8bd           1/1              Running          0                27m
kube-system pod/coredns-6c66fc4fcb-g4tlh    1/1              Running          0                23m
kube-system pod/coredns-autoscaler-567dc76d66-nst2p  1/1              Running          0                27m
kube-system pod/kube-proxy-nrw5w         1/1              Running          0                23m
kube-system pod/kube-proxy-xfb2d         1/1              Running          0                24m
kube-system pod/kubernetes-dashboard-9f5bf9974-nvb5p  1/1              Running          0                27m
kube-system pod/metrics-server-5695787788-8tmmn      1/1              Running          0                27m
kube-system pod/tunnelfront-54d8bf7cb-x8jkb          1/1              Running          0                27m

NAMESPACE   NAME                                     TYPE                CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
default     service/kubernetes                      ClusterIP           10.0.0.1         <none>            443/TCP           28m
kube-system service/kube-dns                      ClusterIP           10.0.0.10        <none>            53/UDP,53/TCP     27m
kube-system service/kubernetes-dashboard          ClusterIP           10.0.92.125       <none>            80/TCP            27m
kube-system service/metrics-server                ClusterIP           10.0.122.137      <none>            443/TCP           27m

NAMESPACE   NAME                                DESIRED   CURRENT   READY   UP-TO-DATE   AVAILABLE   NODE SELECTOR   AGE
kube-system daemonset.apps/kube-proxy    2         2         2       2             2           beta.kubernetes.io/os=linux  27m

NAMESPACE   NAME                                DESIRED   CURRENT   READY   UP-TO-DATE   AVAILABLE   AGE
kube-system deployment.apps/coredns      2/2       2         2       2             2           27m
kube-system deployment.apps/coredns-autoscaler  1/1       1         1       1             1           27m
kube-system deployment.apps/kubernetes-dashboard  1/1       1         1       1             1           27m
kube-system deployment.apps/metrics-server    1/1       1         1       1             1           27m
kube-system deployment.apps/tunnelfront       1/1       1         1       1             1           27m

NAMESPACE   NAME                                DESIRED   CURRENT   READY   AGE
kube-system replicaset.apps/coredns-6c66fc4fcb  2         2         2       27m
kube-system replicaset.apps/coredns-autoscaler-567dc76d66  1         1         1       27m
kube-system replicaset.apps/kubernetes-dashboard-9f5bf9974  1         1         1       27m
```

this is cluster rolebinding for particular group

```
shanker@Azure:~$ vim developes.yml
shanker@Azure:~$ cat developes.yml
apiVersion: rbac.authorization.k8s.io/v1
kind: ClusterRoleBinding
metadata:
  name: Developers-AdminAccess
roleRef:
  apiGroup: rbac.authorization.k8s.io
  kind: ClusterRole
  name: cluster-admin
subjects:
- apiGroup: rbac.authorization.k8s.io
  kind: Group
  name: d355dc53-7d80-4e46-8c6a-1b00eded2737
shanker@Azure:~$ kubectl apply -f developes.yml
clusterrolebinding.rbac.authorization.k8s.io/Developers-AdminAccess created
shanker@Azure:~$
```

Name	Object ID	Group Type	Membership Type	Email
appdev	865bd59-df28-4854-8e2e-66b7784d9998	Security	Assigned	
developers	d355dc53-7d80-4e46-8c6a-1b00eded2737	Security	Assigned	

```
shanker@Azure:~$ az aks get-credentials --resource-group myResourceGroup --name myAKSCluster
A different object named myAKSCluster already exists in your kubeconfig file.
Overwrite? (y/n): y
Merged "myAKSCluster" as current context in /home/shanker/.kube/config
shanker@Azure:~$ kubectl get all
To sign in, use a web browser to open the page https://microsoft.com/devicelogin and enter the code FHFL4LGHG to authenticate.
^C
shanker@Azure:~$
```



Enter code

Enter the code displayed on your app or device.

FHFL4LGHG|

Next



Sign in

You will be signed in to **AKSAzureADClient** on a remote device or service. Select Back if you aren't trying to sign in to this application on a remote device or service.

jino@cnlshankeroutlook.onmicrosoft.com

[Can't access your account?](#)

[Sign-in options](#)

Back

Next



← jino@cnlshankeroutlook.onmicrosoft.com

Enter password

[Forgot my password](#)

Sign in



AKSAzureADClient

You have signed in to the AKSAzureADClient application on your device. You may now close this window.

shanker@Azure:~\$ kubectl get all -A

NAMESPACE	NAME	READY	STATUS	RESTARTS	AGE
kube-system	pod/coredns-6c66fc4fcb-9c8bd	1/1	Running	0	39m
kube-system	pod/coredns-6c66fc4fcb-g4tlh	1/1	Running	0	35m
kube-system	pod/coredns-autoscaler-567dc76d66-nst2p	1/1	Running	0	39m
kube-system	pod/kube-proxy-nrw5w	1/1	Running	0	35m
kube-system	pod/kube-proxy-xfb2d	1/1	Running	0	35m
kube-system	pod/kubernetes-dashboard-9f5bf9974-nvb5p	1/1	Running	0	39m
kube-system	pod/metrics-server-5695787788-8tnmn	1/1	Running	0	39m
kube-system	pod/tunnelfront-54d8bbf7cb-x8jk8	1/1	Running	0	39m

NAMESPACE	NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
default	service/kubernetes	ClusterIP	10.0.0.1	<none>	443/TCP	39m
kube-system	service/kube-dns	ClusterIP	10.0.0.10	<none>	53/UDP,53/TCP	39m
kube-system	service/kubernetes-dashboard	ClusterIP	10.0.92.125	<none>	80/TCP	39m
kube-system	service/metrics-server	ClusterIP	10.0.122.137	<none>	443/TCP	39m

NAMESPACE	NAME	DESIRED	CURRENT	READY	UP-TO-DATE	AVAILABLE	NODE SELECTOR	AGE
kube-system	daemonset.apps/kube-proxy	2	2	2	2	2	beta.kubernetes.io/os=linux	39m

NAMESPACE	NAME	READY	UP-TO-DATE	AVAILABLE	AGE
kube-system	deployment.apps/coredns	2/2	2	2	39m
kube-system	deployment.apps/coredns-autoscaler	1/1	1	1	39m
kube-system	deployment.apps/kubernetes-dashboard	1/1	1	1	39m
kube-system	deployment.apps/metrics-server	1/1	1	1	39m
kube-system	deployment.apps/tunnelfront	1/1	1	1	39m

NAMESPACE	NAME	DESIRED	CURRENT	READY	AGE
kube-system	replicaset.apps/coredns-6c66fc4fcb	2	2	2	39m
kube-system	replicaset.apps/coredns-autoscaler-567dc76d66	1	1	1	39m
kube-system	replicaset.apps/kubernetes-dashboard-9f5bf9974	1	1	1	39m
kube-system	replicaset.apps/metrics-server-5695787788	1	1	1	39m
kube-system	replicaset.apps/tunnelfront-54d8bbf7cb	1	1	1	39m