

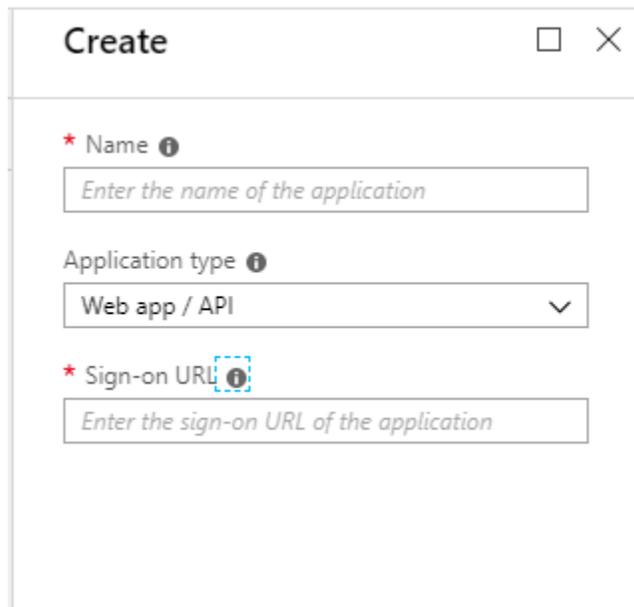
AAD Prerequisites

On completing the steps documented here, below information would be available for configuring Hybr application,

1. Directory ID
2. Application ID
3. Application Client Secret
4. Azure Storage account connection string
5. Azure Storage queue URL (Optional)

Steps:

1. Obtain Active Directory ID
 - a. Select 'Azure Active Directory' service in azure portal
 - b. Click on properties and make a note of 'Directory ID' value, this is needed to setup Hybr application
2. Application Registration
 - a. Create an app in Azure Tenant Portal
 - i. Select 'App Registrations' service in azure portal
 - ii. Click on '+ New application registration'
 - iii. Enter the required details and create the application
 - Application Type: WebApp / API
 - Sign-on URL: Application URL ex: <https://demo.hybr.com>



The screenshot shows a 'Create' dialog box with the following fields:

- Name**: A text input field with the placeholder text "Enter the name of the application".
- Application type**: A dropdown menu with "Web app / API" selected.
- Sign-on URL**: A text input field with the placeholder text "Enter the sign-on URL of the application". This field is highlighted with a dashed blue border.

- iv. Once the application is created, note down the 'Application ID' by navigating inside the created application, this is needed to setup Hybr application

Hybr UAT

Registered app

[Settings](#) [Manifest](#) [Delete](#)

Display name	Application ID
Hybr UAT	[REDACTED]
Application type	Object ID
Web app / API	[REDACTED]
Home page	Managed application in local directory
https://uat.hybr.com	Hybr UAT

⤴

b. Enable Multi-Tenancy

If Hybr application needs to be used by tenants who are outside of the current active directory domain, register this application as Multi-tenant application. To enable, Multi-tenancy, navigate to Settings -> Properties and select 'Yes' for 'Multi-Tenanted'

Properties □ ×

 Save  Discard

* Name ⓘ

Object ID ⓘ

Application ID ⓘ

* App ID URI ⓘ

Logo


Upload new logo ⓘ
 

Home page URL ⓘ

Logout URL

Terms of service URL ⓘ

Privacy statement URL ⓘ

Application type

Multi-tenanted ⓘ
 Yes No

c. Add Reply URLs

Navigate to Settings -> Reply URLs and add reply URLs for Hybr application and 'Save'

Ex: Below URLs would be required if the application is hosted in <https://demo.hybr.com>

https://demo.hybr.com/*

<https://demo.admin.hybr.com/> *

Reply URLs □ ×

 Save  Discard

https://demo.admin.hybr.com/ *	...
https://demo.hybr.com/ *	...
<input type="text"/>	...

d. Add Required Permissions

Navigate to Settings -> Required Permissions and add permissions for the APIs given below,

- i. Windows Active Directory
 1. Sign in and read user profile
- ii. Microsoft Graph
 1. Sign Users in
 2. View users' email address
 3. View users' basic profile
- iii. Windows Azure Service Management API
 1. Access Azure Service Management as organization users (preview)

3. Create Storage Account

- Select 'Storage accounts' in service in azure portal
- Click 'Add' to create a storage account
- Enter relevant details and create the account. StorageV2 (generate purpose v2) should be the 'Account Kind'

Home > New > Storage account - blob, file, table, queue > Create storage account

Create storage account

Basics Advanced Tags Review + create

Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below. [Learn more](#)

PROJECT DETAILS

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

* Subscription: Hybr-Test-Microsoft Azure Sponsorship

* Resource group: CAIndiaDev [Create new](#)

INSTANCE DETAILS

The default deployment model is Resource Manager, which supports the latest Azure features. You may choose to deploy using the classic deployment model instead. [Choose classic deployment model](#)

* Storage account name: hybrdemo

* Location: Central US

Performance: Standard Premium

Account kind: StorageV2 (general purpose v2)

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

Access tier (default): Cool Hot

[Review + create](#) [Previous](#) [Next : Advanced >](#)

- Navigate to the created resource and get connection string (key 1 or 2) from Access keys. This will be configured in Hybr for application logging.

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve proble...

Events

Storage Explorer (preview)

Settings

Access keys

CORS

Configuration

Encryption

Shared access signature

Firewalls and virtual netwo...

Use access keys to authenticate your applications when making requests to this Azure storage account. Store your access keys securely - for example, using Azure Key Vault that you can maintain connections using one key while regenerating the other.

When you regenerate your access keys, you must update any Azure resources and applications that access this storage account to use the new keys. This action will not

Storage account name: hybrdemo

key1

Key: IUHNPZyv6uMpYufJjvA7O6oJUbxsomcYoQPym3omquC15hs56V958F4296vHBbR0uvSggz5nhmEoC6R7DMIQ=

Connection string: DefaultEndpointsProtocol=https;AccountName=hybrdemo;AccountKey=IUHNPZyv6uMpYufJjvA7O6oJUbxsomcYoQPym3omquC15hs56V958F4296vHBbR0uvSggz5nh

key2

Key: 2N8U0obr26j269q0Mj2HqhxCrar5Gcxh880htuDGKjyLYVXec4Ax87AzKWVhkrRVVQu0bXZP2G7geh+3Vz/mA==

Connection string: DefaultEndpointsProtocol=https;AccountName=hybrdemo;AccountKey=2N8U0obr26j269q0Mj2HqhxCrar5Gcxh880htuDGKjyLYVXec4Ax87AzKWVhkrRVVQu0bXZP2G

4. [Optional] Create a queue for VConnect - Required only if integration is required with VConnect
 - a. Navigate to 'Queues' inside recently created storage account
 - b. Enter queue name and create the queue

Queue

* Queue name
hybrdemovconnect ✓

OK Cancel

- c. Right click on the recently created queue and select 'Get Shared Access Signature'.
 - i. Enter relevant start time, expiry time and select time zone. Note: Make sure that start time is not future time.
 - ii. Provide permission for Read, Add, Update and Process

Shared Access Signature

Access policy: (none)

Start time: 01-10-2018 00:00

Expiry time: 30-09-2019 23:59

Time zone:
 Local
 UTC

Permissions:
 Read
 Add
 Update
 Process

- iii. Click create and note down the URL, this needs to be configured for interactions between Hybr and VConnect service

Shared Access Signature



Queue:

hybrdemovconnect

URL:

<https://hybrdemo.queue.core.windows.net/hybrdemovconnect?sp=raup&st=20>

Copy

Query string:

?sp=raup&st=2018-10-16T10%3A20%3A00Z&se=2019-09-30T11%3A59%3A00

Copy