

## Why do you need this integration?

- Fetch information about the organization, like organization name.
- Fetch all the users with the basic information like name, email, status, provisioned date, provisioned user count.
- Manage license based users by provisioning and deprovisioning through CloudEagle.
- Fetch license information, subscriptions for all the users.
- Fetch the Activity and Usage of all Office 365 applications and services.

## Pre-requisites

- You must have Azure AD admin access to connect to CloudEagle.
- In order to get the accurate usage of your applications under Microsoft Office 365 subscription, please ensure that you have unchecked the following option -
  - Sign in to your Microsoft 365 Admin portal.
  - Navigate to Settings -> Organization Settings -> Services -> Reports.
  - Uncheck the option for “In all reports, display de-identified names for users, groups and sites”.
  - Click Save.

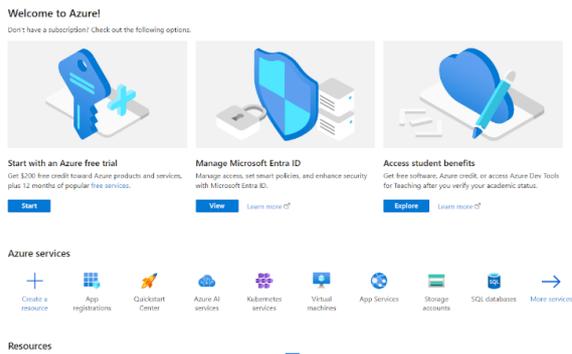
## Security information

- Authentication method: OAuth2
- Scopes required:

API / Permissions name	Type	Description
▼ <a href="#">Microsoft Graph (9)</a>		
<a href="#">AuditLog.Read.All</a>	Delegated	Read audit log data
<a href="#">Directory.Read.All</a>	Delegated	Read directory data
<a href="#">Directory.ReadWrite.All</a>	Delegated	Read and write directory data
<a href="#">Organization.Read.All</a>	Delegated	Read organization information
<a href="#">Organization.ReadWrite.All</a>	Delegated	Read and write organization information
<a href="#">Reports.Read.All</a>	Application	Read all usage reports
<a href="#">User.Read</a>	Delegated	Sign in and read user profile
<a href="#">User.Read.All</a>	Delegated	Read all users' full profiles
<a href="#">User.ReadWrite.All</a>	Delegated	Read and write all users' full profiles

## Instructions for App registration on Azure AD

- Login to your Azure AD admin [<https://portal.azure.com/#home>]
- From the Azure services on Home Page, click on App registrations.



- Click on New registration > Name the app > select the 'Default Directory only - Single tenant' option in supported account types.
- For the Redirect URI, choose 'Web' from the dropdown menu and enter the following URI: <https://prodapi.cloudeagle.ai/cloudeagle/integrations/callback>
- Now, click on the Register button.

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

App\_Testing ✓

**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 Microsoft Entra ID tenant - Multitenant)  
 Accounts in any organizational directory (Any Microsoft Entra ID tenant - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)  
 Personal Microsoft accounts only

[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.

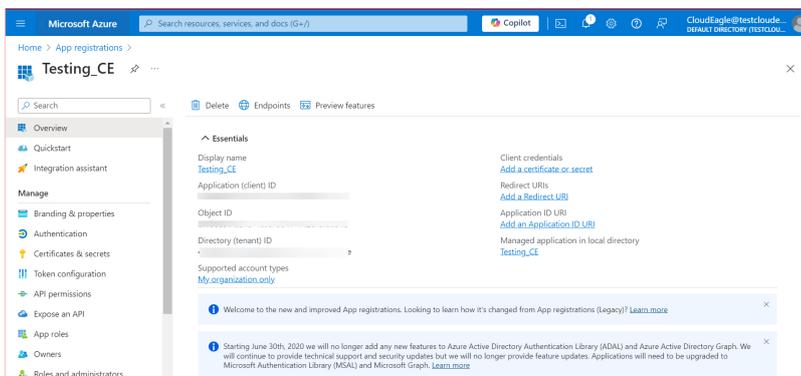
Web ✓ e.g. https://example.com/auth ✓

Register an app you're working on here. Integrate gallery apps and other apps from outside your organization by adding from [Enterprise application](#)

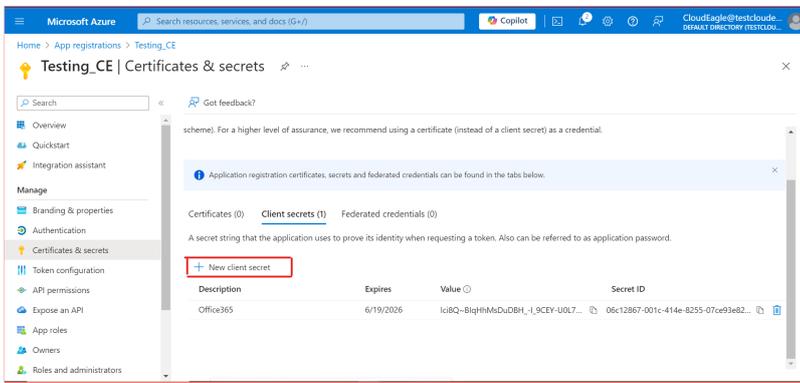
By proceeding, you agree to the [Microsoft Platform Policies](#)

**Register**

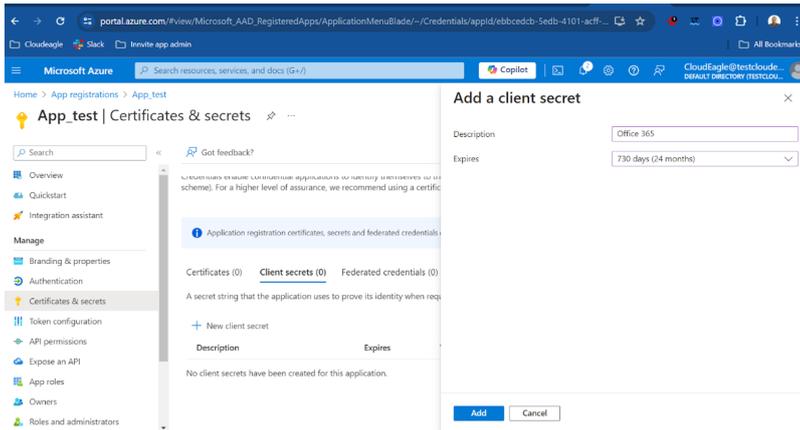
- Copy the Application (client) ID as your Client ID and Directory (tenant) ID as your Tenant ID from Azure App Overview, and make sure to save these IDs for future use when connecting.



- Now navigate to the Certificates & Secrets section, then click New client secret.



- Enter a description and select the expiry of the client secret and click on Add button. Copy the Client Secret Value and save it for future use while connecting to CloudEagle, since it gets shown only once.



- Go to API Permissions > Click on Add a Permission > Select Microsoft Graph > Select Application Permission and add the following permissions according to permission type as Delegated and Application permissions.

API / Permissions name	Type	Description
<a href="#">Microsoft Graph (9)</a>		
<a href="#">AuditLog.Read.All</a>	Delegated	Read audit log data
<a href="#">Directory.Read.All</a>	Delegated	Read directory data
<a href="#">Directory.ReadWrite.All</a>	Delegated	Read and write directory data
<a href="#">Organization.Read.All</a>	Delegated	Read organization information
<a href="#">Organization.ReadWrite.All</a>	Delegated	Read and write organization information
<a href="#">Reports.Read.All</a>	Application	Read all usage reports
<a href="#">User.Read</a>	Delegated	Sign in and read user profile
<a href="#">User.Read.All</a>	Delegated	Read all users' full profiles
<a href="#">User.ReadWrite.All</a>	Delegated	Read and write all users' full profiles

- Once these permissions are added, click on Grant admin consent for Default Directory.

[+ Add a permission](#)
✓ Grant admin consent for CloudEagle

## Instructions to connect on CloudEagle

- Login to CloudEagle and go to Admin > Integrations > Direct Integration, search for Microsoft Office 365 and click on the Connect button corresponding to it.



- The Tenant ID, Client ID, and Client Secret Value you saved earlier should be pasted in the respective fields and clicked on Connect.

Tenant ID \*  
Tenant ID

Client ID \*  
Client ID

Client Secret \*  
Client Secret

Cancel Connect

- If the connection is successful, you will see Sync now. Click Sync Now to start syncing the data.



- The sync may take some time, depending on the size of the data. You will receive a notification after the sync is complete.
- Once the data is synced, you can see all the information that you have given access to on the Microsoft 365 application page. Select the current data source as 'Direct Integration'.

← Applications  
Microsoft 365 by Microsoft

Office Suites Software CATEGORY | RENEWAL DATE | jumplcloud, direct integration SOURCE | 5 Duplicate Apps

Need Action Usage License Management General Info Spend Details Benchmarking Security Profile Messaging Wor ...

Current Data Source: Direct Integration | Period: Last 30 Days | Apps & Services: Microsoft 365(Cumulative)

20.00 % Activity Usage | 1 Unique Users with Activity | 5 Users With No Activity

Activity Frequency: All Activity | Select Department: 1 selected | Graph View: Department Usage

- You can see different application and service usage along with the cumulative usage from Microsoft 365.

Apps & Services

Microsoft 365(Cumulative)

Microsoft 365(Cumulative)

Microsoft 365 Apps

Word

Excel

PowerPoint

OneNote

Teams

## Apps & Services

Microsoft 365(Cumulative) ▾

Outlook

Microsoft 365 Services

Yammer

Skype for Business

OneDrive

SharePoint

Microsoft Teams

- You can deprovision the Microsoft 365 users directly from the License Management tab.

User	Email	License Type	Role	Provisioned On	Provisioned	Last Logged In	Last Activity	ACTIVE IN SSO	ACTIVE IN HRIS	Current Firm
<input checked="" type="checkbox"/>	Jisha	Jisha@Cloud...	Microsoft 3...	Jun 12, 2024	Yes		Jun 13, 2024	No		Not
<input type="checkbox"/>	Abhinav Cho...	abhinav@CL...	Microsoft 3...	Jun 12, 2024	Yes		Jun 13, 2024	No		Not
<input type="checkbox"/>	Vasanthakum...	Vasanthaku...	Microsoft 3...	Jun 12, 2024	Yes			No		Not
<input type="checkbox"/>	Pankaj Jadhav	pankaj@Clo...	Microsoft 3...	May 7, 2024	Yes			No		Not
<input type="checkbox"/>	Vipul Bansal	integrations...	Microsoft 3...	Apr 18, 2024	Yes		Jun 13, 2024	No		Not

- You can provision Microsoft 365 to users from the Users module.

Name	Email	Department	Job Title	Detected On	Application Access	Pending Requests	Okta Groups	External Status	Actions
Aaron Brooks	aaron.brooks@clou...	Engineering		Aug 10, 2022	1 Application	0 Requests	0 Groups	Active in Okta	<b>Provision</b>
Aaron Brooks	aaron.brooks@test...			Nov 17, 2022	0 Applications	0 Requests	0 Groups	Active in Okta	Provision

- You can find all the active licenses and total licenses bought under the license management tab.

License Info	Value
LICENSES BOUGHT	10002
PROVISIONED USERS	2
PLAN TYPE	Dynamics 365 Business Central for IWs

- The sync runs automatically every 24 hours to capture the latest data.