## 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	Туре	Description
∽Microsoft Graph (9)		
AuditLog.Read.All	Delegated	Read audit log data
Directory.Read.All	Delegated	Read directory data
Directory.ReadWrite.All	Delegated	Read and write directory data
Organization.Read.All	Delegated	Read organization information
Organization.ReadWrite.All	Delegated	Read and write organization information
Reports.Read.All	Application	Read all usage reports
User.Read	Delegated	Sign in and read user profile
User.Read.All	Delegated	Read all users' full profiles
User.ReadWrite.All	Delegated	Read and write all users' full profiles

- Login to your Azure AD admin [<u>https://portal.azure.com/#home</u>]
- 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: <u>https://pro-dapi.cloudeagle.ai/cloudeagle/integrations/callback</u>
- Now, click on the Register button.

App_Testing	
Supported accoun	t types
Who can use this appli	cation or access this API?
<ul> <li>Accounts in this o</li> </ul>	ganizational directory only (Default Directory only - Single tenant)
O Accounts in any o	ganizational directory (Any Microsoft Entra ID tenant - Multitenant)
Accounts in any o Xbox)	ganizational directory (Any Microsoft Entra ID tenant - Multitenant) and personal Microsoft accounts (e.g. Skype,
O Personal Microsof	t accounts only
Help me choose	
Redirect URI (optic	unal)
We'll return the auther changed later, but a va	tication response to this URI after successfully authenticating the user. Providing this now is optional and it can be lue 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 appli

 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.

E Microsoft Azure	Search resources, services, and docs (G+/)	💋 Copilot 🛛 🕞 🔅 🕜 🔗 CloudEagle@testcloude
Home > App registrations >		
	In Delete Indpoints In Preview features	
Overview		
Quickstart Integration assistant	Display name Testing_CE	Client credentials Add.a.certificate.or.secret
fanage	Application (client) ID	Redirect URIs Add a Redirect URI
Branding & properties	Object ID	Application ID URI
Authentication	Directory (tenant) ID	Managed application in local directory
Certificates & secrets	4 2	Testing_CE
Token configuration	Supported account types My organization only	
API permissions		
Expose an API	Welcome to the new and improved App registrations. Looking to	to learn how it's changed from App registrations (Legacy)? Learn more
App roles		Y
Owners	Starting June 30th, 2020 we will no longer add any new features will continue to provide technical support and security updates I Microsoft Authentication Library (MSAL) and Microsoft Graph. U	: to Azure Active Directory Authentication Library (ADAL) and Azure Active Directory Graph. We but we will no longer provide feature updates. Applications will need to be upgraded to learn more
Roles and administrators		

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

≡ Microsoft Azure	𝒫 Search r	esources, services, a	nd docs (G+/)			🤣 Copilot		¢ @			CloudEagle@testclou DEFAULT DIRECTORY (TESTCL	de 🌔
Home > App registrations >	Testing_CE Certificate	es & secret	:s ⋪ …									×
₽ Search	«	🖗 Got feedback?										
<ul> <li>Øverview</li> <li>Quickstart</li> </ul>	5	cheme). For a highe	r level of assurance	, we recommend using a ce	ertificate (insteat	d of a client secr	et) as a ci	edential.				*
💉 Integration assistant Manage		Application reg	gistration certificates	secrets and federated creder	ntials can be foun	d in the tabs belo	w.					×
<ul> <li>Branding &amp; properties</li> <li>Authentication</li> </ul>		Certificates (0) A secret string that	Client secrets (1)	Federated credentials	s (0) n requesting a to	ken. Also can b	e referred	to as appli	cation pa	issword.		
Certificates & secrets     Token configuration	11	+ New client se	cret									
<ul> <li>API permissions</li> </ul>		Description		Expires	Value 🛈				Secret II	)		
🙆 Expose an API	- 11	Office365		6/19/2026	lci8Q~BlqH	ihMsDuDBHI_	9CEY-UOL	.7 🗅 0	6c12867	001c-4	14e-8255-07ce93e82 🗈	Û
App roles												
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Roles and administrators	-											Ŧ

 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.

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E Microsoft Azure 🔎 Searc	h resources, services, and docs (G+/)	🙆 Copilot 🛛 😥 🔑 ş	응 ⑦ & CloudEagle@testcloude
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Manage	Application registration certificates, secrets and federated credentials		
Branding & properties  Authentication  Certificates & secrets	Certificates (0) Client secrets (0) Federated credentials (0) A secret string that the application uses to prove its identity when req		
Token configuration  API permissions  Expose an API	+ New client secret Description Expires		
<ul> <li>App roles</li> <li>Owners</li> <li>Roles and administrators</li> </ul>	No client secrets have been created for this application.	Add Cancel	

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	Туре	Description
∽ Microsoft Graph (9)		
AuditLog.Read.All	Delegated	Read audit log data
Directory.Read.All	Delegated	Read directory data
Directory.ReadWrite.All	Delegated	Read and write directory data
Organization.Read.All	Delegated	Read organization information
Organization.ReadWrite.All	Delegated	Read and write organization information
Reports.Read.All	Application	Read all usage reports
User.Read	Delegated	Sign in and read user profile
User.Read.All	Delegated	Read all users' full profiles
User.ReadWrite.All	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

Microsoft Office Suites Software

Microsoft 365

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

₹0

Connect

 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	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.

Microsoft 365	Microsoft	Office Suites Software	₹0	Connected	06/18/2024 07:42 am	B	Sync Now	:
	<b>_</b>						Ľ	

- 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'.

Microsoft 365 by Micro	osoft					🗖 Ad	d Commer
Office Suites Software	 RENEWAL DATE	jumpclo	ud, direct integration		Duplicate Apps		
Need Action Usage	License Management	General Info	Spend Details	Benchmarking	Security Profile	Messaging	Wor
urrent Data Source	Period		Apps & Services				
Direct Integration	- Last 30 Days	¥	Microsoft 365(Cumulativ	e) ~			
20.00 % Activity Usage 🛰	1 Unique Users v	vith Activity	5 Users With No	Activity			
ctivity Frequency	Select Department		Graph View				
All Austiciae	T 1 coloctod		Department Linese				

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



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.

Need Action	Usage	License Management	General Info	Spend Details	Benchmarkin	g Secu	rity Profile	Messaging	
4		24/05		01/06		18/06		16/06	
Search Users		Q = Default	t View 🗸				8 (	of 18 Users	1
Provisioned = Yes X Deprovision Users	Clear All Send Mail	Confirm Access							
User	Email	License Type Role	Provisioned On	Provisioned	Last Logged In	Last Activity	ACTIVE IN SSO	ACTIVE IN HRIS	
Jisha	jisha@Cloud	Microsoft 3	Jun 12, 2024	Yes		Jun 13, 2024	No		
Abhinav Cho	abhinav@Cl	Microsoft 3	Jun 12, 2024	Yes		Jun 13, 2024	No		
Vasanthakum	Vasanthaku	Microsoft 3	Jun 12, 2024	Yes			No		
		Margardt 2	May 7 0004	Vor			No		

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

23.	Users									A Source: OKTA
27	Active Users	Inactive Users	Aut	o Provisioning	Auto Deprovisi	oning				
Ð	Search Users		۹. 📼	Default View 🗸	[: Save view				4127	Users
11	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	Provision
-	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.

→ ♂ Somecorp-alpha.cloudeagle.us/	app/application/0a359c92-5011-4	9fc-89af-e933911d68cc/licenseManagement		☆ ひ	00
🔆 Trial ends in 82 days				् 🤗 🕜 😩 Rad	ihika Soni 🗸
Hicrosoft 365 by Micro	osoft			Add	Comments
Office Suites Software CATEGORY	- RENEWAL DATE	jumpcloud, direct integration C	8 5 Duplicate Apps		
Need Action Usage	License Management	General Info Spend Details	Benchmarking Security Profile	Messaging Workfle	ow …
Corrent Data Source					
Direct Integration *					
License Info	PROVISIONED USERS	PLAN TYPE	Microsoft Entra ID P1		1
10002	Z	Dynamics 365 Bus	iiness Central for IWs 😶		

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