

# GRAPHUS for Office 365

Activation Guide





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### 1. Graphus Application Activation

#### **Notes**

The activation process has to be carried out by the global administrator of Azure AD for your organization.

### Steps

1. Login to Office 365 portal and select Admin.

III Office 365			٩	Search								٩	0 ?
	Apps										nstall Office 🔗		
	0	-		Ex.	•	0	4	u(ji		5			
	Outlook	OneDrive	Word	Excel	PowerPoint	OneNote	SharePoint	Teams	Invoicing	Bookings	Admin		
	Explore an you	and the second											
	Documer	its							↑ Uploa	d and open	New 🗠		
	Recent Pir	ined Shared	with me D	iscover									
						6							
						1							
						53.							





2. Under Admin centers, click Azure Active Directory.

	Microsoft 365 admin c	enter			
≡			Graphus		🔎 Search users, groups, settings or tasks 🛛 🕂 Add card
ŵ	Home				
8	Users	$\sim$	Essentials		
ĸ٩	Groups	$\sim$	User management	Billing	Training & guides (
唱	Resources	~	User management	₹0.00 Total balance	Training for admins Microsoft 365 tutorials and videos
	Billing	$\sim$	Add, edit, and remove user accounts, and reset passwords.		Customized setup quidance
Ç	Support	$\sim$			Choose a setup path to fit your org
٢	Settings	$\sim$			Training for users Learn to use Office 365 and the Office apps
B	Setup	$\sim$	Add user Edit user $\lor$	Balance Subscription $\lor$	
Ł	Reports	$\sim$			
Ş	Health	$\sim$			
Adm	nin centers				
Ø	Security & Compliance				
٩	Azure Active Directory				
<b>t</b> a	Exchange				
5	SharePoint				
0	Teams				





3. In the Azure Active Directory admin center, click Azure Active Directory.



4. Under the Manage section, click App registrations and then choose New registration.





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  - 5. In the **Register an application** page, enter the name as *Graphus* and select Supported account types as **Accounts in this organizational directory only**. In the Redirect URI section, select **Web** and enter *https://eucloud.graph.us/login* as the URL. Then, click **Register**.

Azure Active Directory admin	center	Ģ	Д I	<u>ن</u>	
Azure Active Directory admin  «  Dashboard  All services  Azure Active Directory  Curres  Azure Active Directory  Azure Active	center         Dashboard > App registrations >         Register an application         * Name         The user-facing display name for this application (this can be changed later).         Graphus         Supported account types         Who can use this application or access this API?         • Accounts in this organizational directory only (Graphus Inc only - Single tenant)         • Accounts in any organizational directory (Any Azure AD directory - Multitenant)         • Accounts in any organizational directory (Any Azure AD directory - Multitenant)         • Personal Microsoft accounts only         Help me choose         Redirect URI (optional)         Vicit its must be submittation presents the kits UBI -for present/file submittation the super location and is repained and its repained to the submittation and personal bits application and its repained to the submittation and personal bits application and its repained to the submittation and personal Microsoft accounts (e.g. Skype, Xbox)	8	<b>Д</b> :		? 6
	Web       Ittps://eucloud.graph.us/login         By proceeding, you agree to the Microsoft Platform Policies C*				





6. Copy and save the Application (client) ID. It will be used in a step later.

Dashboard > Graphus - App registration:	s > Graphus	
Graphus		
«	🗰 Delete 🌐 Endpoints	
👢 Overview	Dicelay name : Graphur	Supported account types My organization only
📣 Quickstart	Application (client) ID : 0b23712e-1e30-4cd6-bc42-e897167005ad	Redirect URIs : 1 web, 0 public client
Manage	Directory (tenant) ID : 9ff61353-31f6-4a9a-8d65-aa1181284684	Managed application in : Graphus
- Branding	Object ID : 9446bb16-8d5d-444c-b69e-d80b9f7cf490	
Authentication		*
♀ Certificates & secrets	Welcome to the new and improved App registrations. Looking to learn how it's changed from App registrations	(legacy)? Learn more
-> API permissions		
Expose an API		
Owners	Call APIs	Documentation
a Manifest		Microsoft identity platform Authentication scenarios
Support + Troubleshooting		Authentication libraries Code samples
X Troubleshooting		Microsoft Graph Glossary
New support request	Build more powerful apps with rich user and business data from Microsoft services and your own company's data courses	Help and Support
	View API Permissions	

7. In the Manage section, select **Certificates & secrets**. Upload the certificate file generated from Graphus MSP portal.

Dashboard > Graphus - App registration	ns > Graphus - Certificates & secrets			
Graphus - Certificates & secre	ets			
<ul> <li>«</li> <li>Werview</li> <li>Quickstart</li> <li>Manage</li> <li>Branding</li> </ul>	Credentials enable applications to identify ther higher level of assurance, we recommend using Certificates Certificates can be used as secrets to prove the	nselves to the authentication service when g a certificate (instead of a client secret) as e application's identity when requesting a to	receiving tokens at a web addressable location (using an HTTPS sc a credential. oken. Also can be referred to as public keys.	heme). For a
Authentication     Certificates & secrets	THUMBPRINT	START DATE	EXPIRES	
API permissions     Expose an API     Owners	No certificates have been added for this applic	ation.		
Manifest Support + Troubleshooting	Client secrets A secret string that the application uses to pro-	ve its identity when requesting a token. Als	o can be referred to as application password.	
<ul> <li>Troubleshooting</li> <li>New support request</li> </ul>	DESCRIPTION No client secrets have been created for this ap	EXPIRES V plication.	ALUE	





8. The uploaded certificate file should look like the one depicted below in the Certificates section.

Dashboard > Graphus - App registrations	s > Graphus - Certificates & secrets			
Graphus - Certificates & secre	ets			
<ul> <li>«</li> <li>Wanage</li> <li>Branding</li> <li>Authentication</li> </ul>	Credentials enable applications to identify themselves to the higher level of assurance, we recommend using a certificate Certificates Certificates can be used as secrets to prove the application's Typload certificate	authentication service when receiving (instead of a client secret) as a creden identity when requesting a token. Als	y tokens at a web addressable location (using an HT tial. o can be referred to as public keys.	TPS scheme). For a
Certificates & secrets	THUMBPRINT	START DATE	EXPIRES	
<ul> <li>API permissions</li> </ul>	EF28CE48C65741F5F21009F443892948068C4AFA	5/12/2019	5/9/2029	Ō
Expose an API				
Owners				
0 Manifest	Client secrets			
Support + Troubleshooting	A secret string that the application uses to prove its identity + New client secret	when requesting a token. Also can be	referred to as application password.	
New support request	DESCRIPTION	EXPIRES VALUE		
	No client secrets have been created for this application.			

9. In the Graphus – Certificates & secrets page, click **New client secret**, enter *Graphus* in the Description field, select **24 months** from the Expires dropdown menu, and click **Add**.

Azure Active Directory adn	nin center					Q	0070	admin@o365-customer 🧕
I Dashboard	<ul> <li>Dashboard &gt; Graphus &gt; Graphus</li> <li>Graphus   Certificat</li> </ul>	tes & secrets 🛷 …				Add a client sec 2	ret	×
All services     All vervices     All vervices	Search (Ctrl+/) %	Sct feedback?				Description Expires	Graphus 24 months	~
Azure Active Directory Users Users Enterprise applications	Coverview Cuckstart Cucks	Credentials enable confidential applications to ident scheme). For a higher level of assurance, we recomm Certificates Certificates can be used as secrets to prove the appl Tupload certificate Thumbprint DeadDeBooocrecTSeroreSedDisDes17205518EB Client secrets A secret stool that the application use to correct of	ify themselves to the authentication is keend using a confictate (instead of a ch ication's identity when requesting a to Start date Start date Start date	nvice when receiving take ent secret as a credental ken. Also can be referred Expires 7/26/2000	na at a web addressable loca to as public keys. ID 96577000-8787-48er			
	Roles and administrators   Preview     Manifest     Support + Troubleshooting     Troubleshooting     New support request	How client secret  Description No client secrets have been created for this applicat	Dispires Value		ID			
https://aad.ootal.acuire.com/Afdahbo						3 Add Cancel		



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  - 10. This will automatically generate a value which will be displayed under the **Value** field corresponding to the client secret created in the above step.

Azure Active Directory admin	center				Q	o 🕸 ?	💮 chandra@graphus2.on окирниз і	INC
<ul> <li>Cashboard</li> <li>All services</li> <li>FAVORITES</li> <li>Azure Active Directory</li> </ul>	Dashboard > App registrations > Grap Graphus   Certificate P Search (Ctrl+/) « Overview	hus es & secrets ≯ ♡ Got feedback?						×
Lesrs	<ul> <li>Quickstart</li> <li>Integration assistant</li> <li>Manage</li> <li>Branding</li> </ul>	Certificates Certificates can be used as secrets to Tupload certificate Thumbprint	p prove the application's identity	y when requesting a toke Start date	en. Also can be referred Expires	to as public key ID	5.	
	Authentication     Certificates & secrets     Token configuration     API permissions     Fraces an API	357981E9AF2DD29C91F98F2CF8	F4406D6170EBEB	8/18/2020	8/16/2030	e4ee9311	b-cc82-4a20-819e-1b03483ab 🗈 🍴	
	App roles   Preview     Owners     Roles and administrators   Preview	A secret string that the application of + New client secret Description	ises to prove its identity when re Expires	equesting a token. Also o Value	can be referred to as ap	plication passwo	rd,	
	Manifest Support + Troubleshooting Troubleshooting New support request	Graphus	12/30/2299	6F.******	**	ca382b5c-	1a63-4a0c-9ec1-2dafe53036d6 🔘	

Copy the value immediately after the creation. Update Application (client) ID (refer step 6) and this client secret value in Graphus MSP portal activation page. Click **Activate organization** on Graphus MSP portal.

Note: This value will no longer be accessible after you leave this blade.





Graphus requires permissions from the APIs provided by Microsoft. To learn more about these permissions, refer to <u>chapter 2</u> of this guide.

11. In the Manage section, select **API permissions**, click **Add a permission**, then select **Microsoft Graph** from the APIs.

Dashboard > Graphus - App registration	s > Graphus - API permissions	Request API permissions		
Graphus - API permissions		Select an API		
<ul> <li>«</li> <li>Werview</li> <li>Quickstart</li> <li>Manage</li> <li>Branding</li> <li>Authentication</li> </ul>	API permissions Applications are authorized to use APIs by requesting permissions. These permissions show up or grant/deny access. Add a permission 2 API / PERMISSIONS NAME TYPE DESCRIPTION	Microsoft APIs APIs my organization Commonly used Microsoft APIs Microsoft Graph Take advantage of the tremondous amount Security, and Windows 10. Access Azure AD OneNote, SharePoint, Planner, and more th	uses My APIs 3 of data in Office 365, Enterprise Mobility + , Excel, Inture, Outlook/Exchange, OneDrive, rough a single endpoint.	
Y Certificates & secrets     API permissions     1     Expose an API     Owners     Manifest     Support + Troubleshooting     X Troubleshooting     New support request	No permissions added These are the permissions that this application requests statically. You may also request user cor able permissions dynamically through code. See best practices for requesting permissions Grant consent As an administrator, you can grant consent on behalf of all users in this directory. Granting admin means that end users will not be shown a consent screen when using the application. Grant admin consent for Graphus	Arure Service Management Programmatic access to much of the functionality available through the Azure portal  Figure Intune Programmatic access to Intune data  Signametric Access to Intune data  Figure SharePoint Interact remotely with SharePoint data	Comparison of the second	Flow Service Embed flow templates and manage flows Figure 1
		More Microsoft APIs  Azure Batch Schedule large-scale parallel and HPC applications in the cloud  Azure Data Explorer (with Multifactor Authentication) Deform a the output on behavior of	messaging, calling, and conference capabilities Azure Data Catalog Programmatic access to Data Catalog resources to register, annotate and search data assets Azure Data Lake Azure Data Lake	Interface (e.g. messages, users, groups etc.)

12. For **Microsoft Graph** API, choose **Application Permissions**, then select the below 10 permissions and click **Add permissions**.

#### Contacts

• Contacts.Read (Read contacts in all mailboxes)

Directory

• Directory.Read.All (Read directory data)

#### Group

• Group.Read.All (Read all groups)

#### MailboxSettings

• MailboxSettings.Read (Read all user mailbox settings)

Mail

- Mail.Read (Read mail in all mailboxes)
- Mail.ReadWrite (Read and write mail in all mailboxes)





#### Member

• Member.Read.Hidden (Read all hidden memberships)

#### People

• **People.Read.All** (Read all users' relevant people lists)

#### User

- User.Export.All (Export user's data)
- User.Read.All (Read all users' full profiles)

#### Note: None of the DELEGATED PERMISSIONS are required.

> Graphus - API permissions		Request API permissions
		< All APIs
API permissions		Microsoft Graph https://graph.microsoft.com/ Docs [2]
Applications are authorized to use APIs by req grant/deny access.	questing permissions. These permissions show	up c What type of permissions does your application require?
+ Add a permission		Delegated permissions Your application needs to access the API as the signed-in user. Your application runs as a background service or daemon without a
API / PERMISSIONS NAME	TYPE DESCRIPTION	signed-in user.
No permissions added		Select permissions expand all
These are the nermissions that this application	n requests statically. You may also request user	Type to search
able permissions dynamically through code.	See best practices for requesting permissions	PERMISSION ADMIN CONSENT REQUIRED
		► AccessReview
Grant consent		► Application
As an administrator, you can grant consent on means that end users will not be shown a cons	n behalf of all users in this directory. Granting a isent screen when using the application.	admi
Grant admin consent for Graphus		► Calendars
		▶ Calls
		► ChannelMessage
		▶ Chat
		▼ Contacts (1)
		Contacts.Read Read contacts in all mailboxes  1 Yes
		Contacts.ReadWrite Read and write contacts in all mailboxes  Yes
		► Device
		► Directory
		▶ Domain
		Add permissions Discard



Graphus - API permissions			Request API permissions	
			< All APIs	
ADI permissions			► Device	
Applications are authorized to use APIs by rec grant/deny access. + Add a permission API / PERMISSIONS NAME	uesting permissions. These	permissions show up c	Image: Construction of the second	Yes
No permissions added			▶ Domain	
These are the permissions that this application	requests statically. You may	y also request user cor	EduAdministration	
able permissions dynamically through code. 5	See best practices for reques	ting permissions	EduAssignments	
Crant concert			► EduRoster	
As an administrator, you can grant consent or	n behalf of all users in this di	rectory. Granting admi	Files	
means that end users will not be shown a con	sent screen when using the	application.	Group.Read.All Read all groups a 3	Yes
Grant admin consent for Graphus			The set groups U	

MailboxSettings.Read Read all user mailbox settings 👔

Add permissions Discard

Mail
 Member

MailboxSettings.ReadWrite Read and write all user mailbox settings 0

4



Yes

Yes

X X X		
	Request API permissions	×
	< All APIs	
API permissions Applications are authorized to use APIs by requesting permissions. These permissions show up c	Mail(2)     Mail.Read     Read mail in all mailboxes      5	Yes
arant/deny access.	Mail.ReadWrite	Yes
API / PERMISSIONS NAME TYPE DESCRIPTION	Mail.Send     Send and a service a	Yes
No permissions added	▼ Member (1)	
These are the permissions that this application requests statically. You may also request user cor able permissions dynamically through code. See best practices for requesting permissions	Member.Read.Hidden Read all hidden memberships  7 Noter	Yes
Crant concent	OnlineMeetings	
As an administrator, you can grant consent on behalf of all users in this directory. Granting admi	▼ People (1)	
means that end users will not be shown a consent screen when using the application. Grant admin consent for Graphus	People.Read.All Read all users' relevant people lists  8	Yes
	Reports	
	SecurityActions	
	SecurityEvents	
	► Sites	
	ThreatIndicators	
	▼ User (2)	
	Export user's data  9	Yes
	□ User.Invite.All Invite guest users to the organization ⊕	Yes
	User.Read.All Read all users' full profiles  10	Yes
	User.ReadWrite.All Read and write all users' full profiles 💿	Yes
	Add permissions Discard	3



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  - 13. Click Add a permission, select tab APIs my organization uses, search for *Office 365 Exchange Online*, and select **Office 365 Exchange Online** API from the results.

s 3	Graphus - API permissions			Request API	permissions		:
s	Graphus - API permissions     Permissions have changed. Users and/or admins will have     API permissions     Applications are authorized to use APIs by requesting per     grant/deny access.     Add a permission     Add a permission     Add a permission     Add a permission     Microsoft Graph (10)	e to consent even if t missions. These per	they have already dor rmissions show up o DESCRIPTION	Request API Select an API Microsoft APIs Apps in your direc Office 365 Excha	Permissions 2 APIs my organizati tory that expose APIs a ange Online nge Online	2 ion uses My APIs are shown below	APPLICATION (CLIENT) ID 00000002-0000-0ff1-ce00-00000000000
	Contacts.Read	Application	Read contacts in a				
	Directory.Read.All	Application	Read directory da				
	Group.Read.All	Application	Read all groups				
	Mail.Read	Application	Read mail in all m				
	Mail.ReadWrite	Application	Read and write m				
	MailboxSettings.Read	Application	Read all user mail				
	Member.Read.Hidden	Application	Read all hidden n				
	People.Read.All	Application	Read all users' rel				
	User.Export.All	Application	Export user's data				
	User.Read.All	Application	Read all users' ful				
	These are the permissions that this application requests st able permissions dynamically through code. See best pra-	atically. You may a ctices for requestin	lso request user cor g permissions				
	Grant consent						
	As an administrator, you can grant consent on behalf of al means that end users will not be shown a consent screen	ll users in this direc when using the ap	tory. Granting admi plication.				

14. For **Office 365 Exchange Online** API, choose **Application Permissions**, then select the below six permissions and click **Add permissions**.

#### Contacts

• Contacts.Read (Read contacts in all mailboxes)

#### **MailboxSettings**

• MailboxSettings.Read (Read all user mailbox settings)

#### Mail

- Mail.Read (Read mail in all mailboxes)
- Mail.ReadWrite (Read and write mail in all mailboxes)

#### User

- User.Read.All (Read all users' full profiles)
- User.ReadBasic.All (Read all users' basic profiles)

Note: None of the DELEGATED PERMISSIONS are required.





Graphus - API permissions

#### Request API permissions

#### A Permissions have changed. Users and/or admins will have to consent even if they have already dor

#### API permissions

Applications are authorized to use APIs by requesting permissions. These permissions show up or grant/deny access.

#### + Add a permission

API / PERMISSIONS NAME	TYPE	DESCRIPTION
<ul> <li>Microsoft Graph (10)</li> </ul>		
Contacts.Read	Application	Read contacts in
Directory.Read.All	Application	Read directory d
Group.Read.All	Application	Read all groups
Mail.Read	Application	Read mail in all n
Mail.ReadWrite	Application	Read and write m
MailboxSettings.Read	Application	Read all user mai
Member.Read.Hidden	Application	Read all hidden r
People.Read.All	Application	Read all users' re
User.Export.All	Application	Export user's dat
User.Read.All	Application	Read all users' fu

These are the permissions that this application requests statically. You may also request user cor able permissions dynamically through code. See best practices for requesting permissions

#### Grant consent

As an administrator, you can grant consent on behalf of all users in this directory. Granting admi-means that end users will not be shown a consent screen when using the application.

Grant admin consent for Graphus

Request API permissions	×
< All APIs	
Exchange https://outlook.office365.com/ Docs 🗹	A
What type of permissions does your application require?	
Delegated permissions         Application permissions           Your application needs to access the API as the signed-in user.         Your application runs as a background service or daemon without signed-in user.	a
Select permissions exp	and all
Type to search	
PERMISSION ADMIN CONSENT REQUIRED	
full_access_as_app     Ves       Use Exchange Web Services with full access to all mailboxes •     •	
Calendars	
▼ Contacts (1)	
Contacts.Read Read contacts in all mailboxes 🕡	- 1
Contacts.ReadWrite Read and write contacts in all mailboxes $_{igodot}$ Yes	
▶ Mailbox	
▼ MailboxSettings (1)	
MailboxSettings.Read Read all user mailbox settings $\bullet$ 2 Yes	
☐ MailboxSettings.ReadWrite     Yes       Read and write all user mailbox settings ⊕     Yes	_
▶ Mail	
▶ Tasks	- 1
▶ User	-
Add permissions Discard	



Graphus - API permissions

#### A Permissions have changed. Users and/or admins will have to consent even if they have already do

#### API permissions

Applications are authorized to use APIs by requesting permissions. These permissions show up grant/deny access.

+ Add a permission		
API / PERMISSIONS NAME	TYPE	DESCRIPTION
<ul> <li>Microsoft Graph (10)</li> </ul>		
Contacts.Read	Application	Read contacts in
Directory.Read.All	Application	Read directory da
Group.Read.All	Application	Read all groups
Mail.Read	Application	Read mail in all m
Mail.ReadWrite	Application	Read and write m
MailboxSettings.Read	Application	Read all user mai
Member.Read.Hidden	Application	Read all hidden n
People.Read.All	Application	Read all users' re
User.Export.All	Application	Export user's data
User.Read.All	Application	Read all users' fu

These are the permissions that this application requests statically. You may also request user cor able permissions dynamically through code. See best practices for requesting permissions

All APIs	
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.
elect permissions	expand all
ype to search	
PERMISSION	ADMIN CONSENT REQUIRED
full_access_as_app Use Exchange Web Services with full access to all mailb	oxes 👔
Calendars	
Contacts (1)	
Mailbox	
MailboxSettings (1)	
Mail (2)	
Mail.Read Read mail in all mailboxes	Yes
Mail.ReadWrite Read and write mail in all mailboxes ()	Yes
□ Mail.Send Send mail as any user <b>●</b>	Yes
Tasks	
User (2)	
User.Read.All Read all users' full profiles	Yes
User.ReadBasic.All Read all users' basic profiles 0	Yes

As an administrator, you can grant consent on behalf of all users in this directory. Granting adm means that end users will not be shown a consent screen when using the application.

Grant consent

Grant admin consent for Graphus



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## 15. Click Add a permission, select the tab APIs my organization uses, search for *Windows Azure Active Directory*, and select Windows Azure Active Directory API from the results.

> Graphus - API permissions			Request API permissions			×
A Permissions have changed. Users and/or admins will have to	) consent even if	they have already dor	Select an API 2 Microsoft APIs APIs my organ	nization uses My APIs		
API permissions Applications are authorized to use APIs by requesting permis grant/deny access.	ssions. These pe	rmissions show up c	Apps in your directory that expose A	APIs are shown below		
+ Add a permission 1 API / PERMISSIONS NAME	ТҮРЕ	DESCRIPTION	NAME Windows Azure Active Directory	3	APPLICATION (CLIENT) ID 00000002-0000-0000-c000-00000000000	
▼ Exchange (6)						
Contacts.Read	Application	Read contacts in a				
Mail.Read	Application	Read mail in all m				
Mail.ReadWrite	Application	Read and write m				
MailboxSettings.Read	Application	Read all user mail				
User.Read.All	Application	Read all users' ful				
User.ReadBasic.All	Application	Read all users' ba				
✓ Microsoft Graph (10)						
Contacts.Read	Application	Read contacts in a				
Directory.Read.All	Application	Read directory da				
Group.Read.All	Application	Read all groups				
Mail.Read	Application	Read mail in all m				
Mail.ReadWrite	Application	Read and write m				
MailboxSettings.Read	Application	Read all user mail				
Member.Read.Hidden	Application	Read all hidden n				
People.Read.All	Application	Read all users' rel				
User.Export.All	Application	Export user's data				

16. For **Windows Azure Active Directory** API, choose **Application Permissions**, then select the below two permissions and click **Add permissions**.

#### Directory

• Directory.Read.All (Read directory data)

#### Member

• Member.Read.Hidden (Read all hidden memberships)

Note: None of the DELEGATED PERMISSIONS are required.



Graphus - API permissions		Request API permissions	×
A Permissions have changed. Users and/or admin	 s will have to consent even if they have already dor	<ul> <li>✓ All APIs</li> <li>Azure Active Directory Graph</li> <li>https://graph.windows.net/ Docs </li> </ul>	
API permissions Applications are authorized to use APIs by reque grant/deny access.	sting permissions. These permissions show up (	Azure Active Directory Graph APIs are available via the Microsoft Graph API. You may want to consid What type of permissions does your application require?	ler using Microsoft Graph instead.
+ Add a permission API / PERMISSIONS NAME	TYPE DESCRIPTION	Delegated permissions Your application needs to access the API as the signed-in user. Your application runs as a backgrou	nd service or daemon without a
▼ Exchange (6)		signed-in user.	
Contacts.Read	Application Read contacts in a	Select permissions	expand all
Mail.Read	Application Read mail in all m	Type to search	
Mail.ReadWrite	Application Read and write m	PERMISSION	ADMIN CONSENT REQUIRED
MailboxSettings.Read	Application Read all user mail	Application	
User.Read.All	Application Read all users' ful	Device	
User.ReadBasic.All	Application Read all users' ba	▼ Directory (1)	
<ul> <li>Microsoft Graph (10)</li> </ul>		Directory.Read.All Read directory data	Yes
Contacts.Read	Application Read contacts in	Directory.ReadWrite.All	Yes
Directory.Read.All	Application Read directory da	Kead and write directory data	
Group.Read.All	Application Read all groups		
Mail.Read	Application Read mail in all m	Member (1)	
Mail.ReadWrite	Application Read and write m	Read all hidden memberships  2	Yes
MailboxSettings.Read	Application Read all user mail		
Member.Read.Hidden	Application Read all hidden n		
People.Read.All	Application Read all users' rel		
User.Export.All	Application Export user's data	Add permissions Discard	

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  - 17. Click **Grant admin consent for <your organization>** button in Grant Consent section. Then, click **Yes** button on the confirmation popup.

Azure Active Directory admin	center						Ð	Q	۲	?	• •	handra@graphu= &&
≪ IDashboard IE All services	Dashboard > App registrations > Grap	<sup>hus_New_1</sup> PI permissions ≉										
Asure Active Directory     Asure Active Directory     Users     Enterprise applications     App registrations	Search (Ctrl+)     «      Governiew     Quickstart     integration assistant     Manage     Searching	Refresh G Got feedback?     Do you want to grant consent for the     Ve No 2     Compared permissions     Applications are authorized to call Aris     all the permissions	requested pe when they are c. Learn more a	irmissions for all accounts in Graphus Inc? Th granted permissions by user/Jodmins as part of t bout permissions and consent	is will update any existing admir he consent process. The list of cor	n consent records this applicit	ation alrea	dy has	to matc	ch what i	s listed b	below.
	Evanoring     Authentication     Certificates & secrets     Token configuration	+ Add a permission Grant adm API / Permissions name Sectore Active Directory Graph (2)	in consent for Type	Graphus inc Description	Admin consent req	Status						
	<ul> <li>API permissions</li> </ul>	Directory.Read.All	Application	Read directory data	Ves	🔮 Granted for Graphus Inc						
	<ul> <li>Expose an API</li> <li>App roles   Preview</li> </ul>	Member Read Hidden	Application	Read all hidden memberships	Ves	Granted for Graphus Inc						
	<ul> <li>Dwners</li> <li>Roles and administrators   Preview</li> </ul>	Contacts Read Directory Read All	Application Application	Read contacts in all mailboxes Read directory data	ves Ves	<ul> <li>Granted for Graphus Inc</li> <li>Granted for Graphus Inc</li> </ul>	•••					
	Manifest	Group Read All	Application Application	Read all groups Read mail in all mailboxes	Ves	Granted for Graphus Inc.						
	Troubleshooting	Mail ReadWrite	Application	Read and write mail in all mailboxes	Yes	Granted for Graphus Inc     Granted for Graphus Inc						
	New support request	Member/Read/Hidden	Application	Read all hidden memberships	ves	Granted for Graphus Inc.						
		People Read All User Export All	Application Application	Read all users' relevant people lists Export user's data	Ves Ves	<ul> <li>Granted for Graphus Inc</li> <li>Granted for Graphus Inc</li> </ul>						
		User:Read.All Office 365 Exchange Online (6)	Application	Read all users' full profiles	Yes	Granted for Graphus Inc						

If the action is successful, the confirmation message will be displayed as below.

#### Dashboard > App registrations > Graphus\_New\_1

⊸ Graphus_New_1	API permissions
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✓ Search (Ctrl+/) «	🕐 Refresh 🛛 🛇 Got feedback?								
- Overview	<ol> <li>Successfully granted admin consen</li> </ol>	Successfully granted admin consent for the requested permissions.							
Quickstart									
🚀 Integration assistant	This application is using Azure AD Graph API instead of Azure AD Graph	Graph API, which oh API to access	n is on a deprecation path. Starting June 30th, 2020 we will no l 5 Azure Active Directory resources. Learn more	onger add any new features	to Azure AD Graph API. We stro	ngly recommend tha	t you upgrade your applica	tion to use Microsoft	
Manage									
🧮 Branding	Configured permissions								
Authentication	Applications are authorized to call APIs all the permissions the application need	when they are s. Learn more	granted permissions by users/admins as part of the conse about permissions and consent	nt process. The list of cont	figured permissions should in	lude			
📍 Certificates & secrets									
Token configuration	+ Add a permission 🗸 Grant adr	nin consent foi	r Graphus Inc						
<ul> <li>API permissions</li> </ul>	API / Permissions name	Туре	Description	Admin consent req	Status				
Expose an API	✓ Azure Active Directory Graph (2)								
🐣 App roles   Preview	Directory.Read.All	Application	Read directory data	Yes	Granted for Graphus Inc				
Owners	Member.Read.Hidden	Application	Read all hidden memberships	Yes	Granted for Graphus Inc				
Roles and administrators   Preview	✓ Microsoft Graph (10)					•••			
0 Manifest	Contacts.Read	Application	Read contacts in all mailboxes	Yes	Sranted for Graphus Inc	•••			
Support + Troubleshooting	Directory.Read.All	Application	Read directory data	Yes	Sranted for Graphus Inc				
	Group.Read.All	Application	Read all groups	Yes	📀 Granted for Graphus Inc	•••			
	Mail.Read	Application	Read mail in all mailboxes	Yes	Sranted for Graphus Inc				
- new support request	Mail.ReadWrite	Application	Read and write mail in all mailboxes	Yes	Sranted for Graphus Inc				
	MailboxSettings.ReadWrite	Application	Read and write all user mailbox settings	Yes	🥑 Granted for Graphus Inc	•••			









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### 2. Required Permissions

For the seamless integration of Graphus application with your organization and detection and remediation of various kinds of email attacks, a set of permissions is required for following Microsoft APIs.

- Microsoft Graph
- Office 365 Exchange Online
- Windows Azure Active Directory

The following table describes why certain permissions are needed by Graphus.

Microsoft Graph					
Permission	Required for				
User.Export.All	Required to fetch the email address, first name and last name of the users in an organization to detect the impersonation.				
People.Read.All	Required to fetch the shared contacts of a user in an organization to build the Trust Graph.				
MailboxSettings.Read	Required to get the current status of a mailbox.				
Member.Read.Hidden	Required to get the information of all the groups (public and private) that a user belongs to. It is used by Graphus to detect mails sent to group email addresses.				
Mail.Read	Required by Graphus for the detection of email attacks.				
Mail.ReadWrite	Required by Graphus for detection of email attacks and insertion of EmployeeShield in an email. This is also required to delete mail from a user's inbox when an email attack needs to be quarantined.				
Contacts.Read	Required to fetch the email addresses, first name and last name of the users in an organization to detect user impersonation.				
Group.Read.All	Required to get the information of all the groups that a user belongs to. It is used by Graphus to detect mails sent to group email addresses. This is also needed when only a subset of users belonging to a group is required to be protected.				
Directory.Read.All	Required to fetch detailed attributes of all the users and groups in an organization for detection of email attacks.				
User.Read.All	Required to make a decision to either process the user's mailbox by Graphus or not. This information is also required in the oAuth flow.				



Office 365 Exchange Online					
Permission	Required For				
User.Read.All	Required to make a decision to either process the user's mailbox by Graphus or not. This information is also required in the oAuth flow.				
User.ReadBasic.All	Required to make a decision to either process the user's mailbox by Graphus or not. This information is also required to fetch the email address, first name and last name of the users in an organization to detect user impersonation.				
MailboxSettings.Read	Required to get the current status of a mailbox.				
Contacts.Read	Required to fetch the email addresses, first name and last name of users in an organization to detect user impersonation.				
Mail.Read	Required by Graphus for the detection of email attacks.				
Mail.ReadWrite	Required by Graphus for detection of email attacks and insertion of EmployeeShield in a mail. This is also required to delete mail from a user's inbox when an email attack needs to be guarantined.				

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Windows Azure Active Directory					
Permission	Required For				
Member.Read.Hidden	Required to get the information of all the groups (public and private) that a user belongs to. It is used by Graphus to detect mails sent to group email addresses				
Directory.Read.All	Required to fetch deep-level information of all users and groups in an organization for detection of email attacks				





### 3. Graphus Application Deactivation

If, for any reason, you want to deactivate Graphus application from your environment, then please follow the below steps.

#### Steps

1. Login to Office 365 portal and select Admin.

III Office 365			Q	Search								Q	۲	?
	Apps									Ir	nstall Office 🖂			
	D.	-	w	X	•		4	uji	E	5				
	Outlook	OneDrive	Word	Excel	PowerPoint	OneNote	SharePoint	Teams	Invoicing	Bookings	Admin			
	Explore all you	r apps $ ightarrow$												
	Documen	its							Ť Uploa	d and open	New ~			
	Recent Pin	ined Shared	with me D	iscover							-			
						2								
						2								





2. Expand Admin centers and choose Azure Active Directory.

	Microsoft 365 admin ce	nter			
≡			Graphus		
ŵ	Home				
8	Users	$\sim$	Essentials		
RR	Groups	$\sim$	User management ····	Billing	Training & guides (
48	Resources	~	User management	₹0.00 Total balance	Training for admins Microsoft 365 tutorials and videos
	Billing	$\sim$	Add, edit, and remove user accounts, and reset passwords.		Customized setup guidance
o	Support	$\sim$			Choose a setup path to fit your org
0	Settings	$\sim$			Training for users Learn to use Office 365 and the Office apps
Þ	Setup	$\sim$	Add user Edit user 🗸 🗸	Balance Subscription $\lor$	
r	Reports	$\sim$			
ø	Health	$\sim$			
Adm	in centers				
O	Security & Compliance				
۲	Azure Active Directory				
03	Exchange				
5	SharePoint				
<b>Q</b> B	Teams				

3. Click Azure Active Directory.

Azure Active Directory admin center									
« In Dashboard	Dashboard → + New dashboard ↑ Upload ↓	Download 🖉 Edit 🎤 Full screen 🗅 Clone 💼 Delete							
All services     FAVORITES	Graphus graphus5.onmicrosoft.com	Welcome to the Azure AD admin center	Quick tasks						
<ul> <li>Azure Active Directory</li> <li>Users</li> </ul>		You already have Azure Active Directory. Use it to make Office 365 even better.	Add a user Add a guest user Add a group Find a user Find a group Find an enterprise app						
Enterprise applications	Azure AD for Office 365   Try Azure AD Premium	See how Azure AD can help your organization							
	Users and groups	Recommended	Azure portal						
	SR	Sync with Windows Server AD	portal.azure.com 🛃						
		Sync users and groups from your on- premises directory to your Azure AD							



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  - 4. In the Manage section, click **App registrations** and then choose the Graphus application from the application list.





5. Click the **Delete** button for the Graphus application.



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  - 6. Click **Yes** on the confirmation popup.



After deletion is successful, a confirmation message will appear as depicted below.

		Delete application Successfully deleted application Graphus.	7:45 PM ×				
+ New registration	⊕ Endpoints X Troubleshooting S Got feedback?						
() Welcome to the n	ew and improved App registrations (now Generally Available). See what's new 🄿						
Looking to learn Still want to use	how it's changed from App registrations (Legacy)? <u>Learn more</u> App registrations (Legacy)? Go back and tell us why Dwned applications						
	e or Application ID to filter these results						
DISPLAY NAME	APPLICATION (CLIENT) ID CREATED ON	CERTIFICATES & SECRETS					
This account isn't listed as an owner of any applications in this directory.           View all applications in the directory							

After this step, the Graphus application and its associated API permissions will be successfully removed.





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