

A photograph of a man and a woman in an office environment. The man, on the left, has short blonde hair and a beard, wearing a dark blue button-down shirt. The woman, on the right, has long dark hair and is wearing a white sleeveless top. They are both smiling and looking at a laptop screen in front of them. The background is a bright, modern office with a white desk and a green plant.

Applikation i Azure för åtkomst till MS Graph API

Lathund Ekonomi

Reviderad: 2023-12-13

Innehållsförteckning

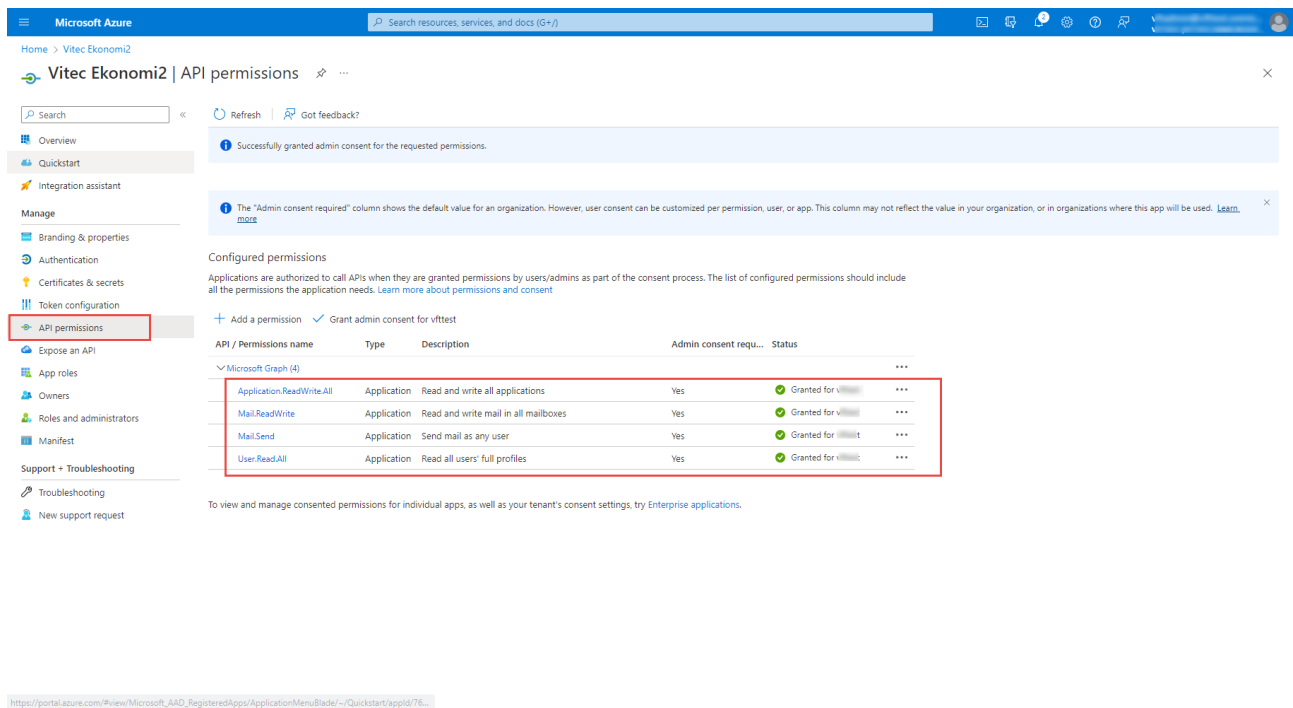
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Skapa åtkomst till MS Graph API

För att Ekonomi ska kunna använda Microsoft Graph API för att hämta och skicka epost krävs att det läggs upp en *applikation* med nödvändiga rättigheter i Azure AD. Denna lathund riktar sig till dig som har rätt att administrera Azure Active Directory.

För dig som redan är bekant med applikationer i Azure

Bilden nedan visar de rättigheter som krävs för att Ekonomi ska kunna använda Graph API för mailhantering. Application.ReadWrite.All behövs för att applikationen automatiskt ska kunna uppdatera *client secret* innan den upphör gälla. Utan den rättigheten måste *client secret* skapas och kopieras till Ekonomi manuellt när den är på väg att upphöra.



The screenshot shows the 'API permissions' page in the Azure portal for the application 'Vitec Ekonomi2'. The page displays a list of configured permissions for Microsoft Graph. The permissions are:

API / Permissions name	Type	Description	Admin consent requ...	Status
Microsoft Graph (4)				
Application.ReadWrite.All	Application	Read and write all applications	Yes	Granted for vftest
Mail.ReadWrite	Application	Read and write mail in all mailboxes	Yes	Granted for vftest
Mail.Send	Application	Send mail as any user	Yes	Granted for vftest
User.Read.All	Application	Read all users' full profiles	Yes	Granted for vftest

De mailkonton som behövs för inläsning BFO etc. behöver också läggas upp i Azure. Det är dock inget som beskrivs i denna lathund.

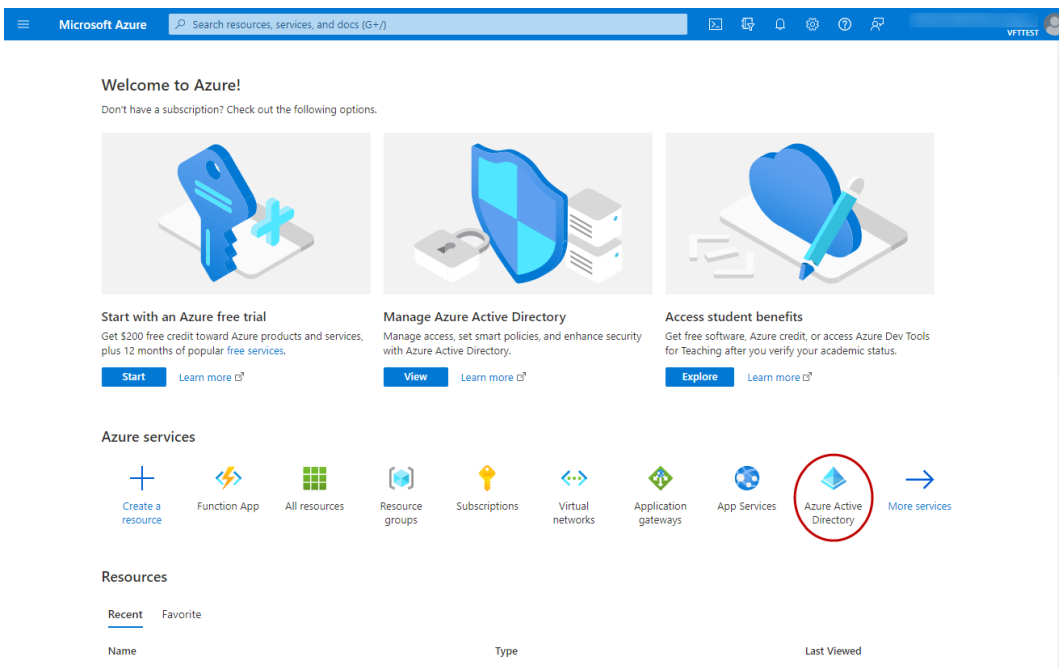
För att begränsa vilka mailboxar applikationen har tillgång till refereras till denna artikel.

<https://learn.microsoft.com/en-us/graph/auth-limit-mailbox-access>

För den som vill ha en steg för steg-anvisning för applikationer i Azure

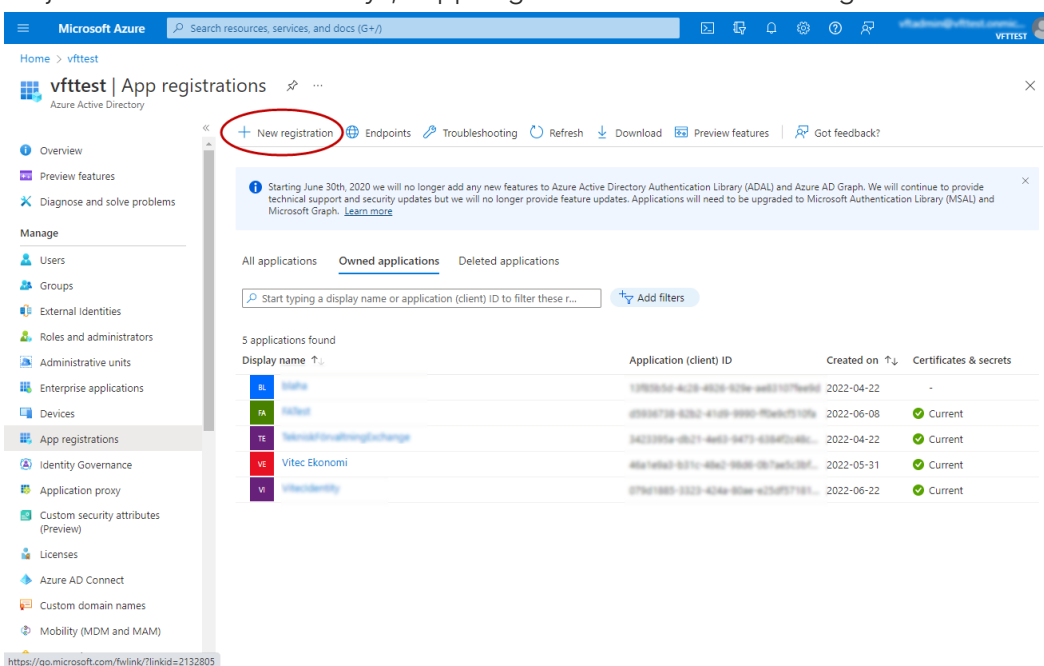
Här beskrivs steg för steg hur man registrerar en ny applikation och tilldelar nödvändiga rättigheter.

Börja med att logga in i Azureportalen med en användare som har rätt att administrera Azure Active Directory.



Registrera en applikation

Välj "Azure Active Directory", "App registrations" och "New registration".



Ge Applikationen ett namn och klicka "Register".

Microsoft Azure Search resources, services, and docs (G+)

Home > vfttest | App registrations > Register an application

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

Supported account types
Who can use this application or access this API?
 Accounts in this organizational directory only (vfttest 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)
 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.
Select a platform 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 applications](#).

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

Register

Skapa "client secret"

Välj "Certificates and secrets" i menyn och klicka "New client secret".

Ange valfri beskrivning och välj en giltighetstid (vårt förslag 24 månader) och klicka "Add".

Microsoft Azure Search resources, services, and docs (G+)

Home > vfttest | App registrations > Vitec Ekonomi2

Vitec Ekonomi | Certificates & secrets

Overview
Quickstart
Integration assistant
Manage
Branding & properties
Authentication
Certificates & secrets
Token configuration
API permissions
Expose an API
App roles
Owners
Roles and administrators
Manifest

Got feedback?

Credentials enable confidential applications to identify themselves to the authentication scheme). For a higher level of assurance, we recommend using a certificate (instead of a client secret).

Application registration certificates, secrets and federated credentials can be found in the left-hand navigation pane.

Certificates (0) Client secrets (0) Federated credentials (0)

A secret string that the application uses to prove its identity when requesting tokens.

+ New client secret

Description	Expires	Value
No client secrets have been created for this application.		

Add Cancel

Add a client secret

Description Vitec Ekonomi

Expires 24 months

Spara tillfälligt undan **value** från Client Secret i t ex en textfil då den senare ska användas som uppkopplingsinformation i Ekonomi.

OBS att value i client secret bara kan läsas precis när den skapas. Nästa gång man loggar in ser man av säkerhetsskäl bara tre första tecknen. Värdet går inte heller att kopiera då utan man behöver i så fall skapa en ny "client secret" om värdet tappats bort.

Microsoft Azure | Search resources, services, and docs (G+)

Home > vfttest | App registrations > Vitec Ekonomi2

Vitec Ekonomi2 | Certificates & secrets

Search (Ctrl+/) | Got feedback?

Overview | Quickstart | Integration assistant

Manage

- Branding & properties
- Authentication
- Certificates & secrets**
- Token configuration
- API permissions
- Expose an API
- App roles
- Owners
- Roles and administrators
- Manifest

Credentials enable confidential 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.

Application registration certificates, secrets and federated credentials can be found in the tabs below.

Certificates (0) | **Client secrets (1)** | Federated credentials (0)

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	Secret ID
Vitec Ekonomi	2024-08-23	P-G8Q-ijgCXPRp4oKDxXf.EnRP8ZggC-	29b3e48e-e2c8-4868-a4d7-29a5e4fecf55

Tildela applikationen rättigheter

Välj "API permissions", "Add a permission" och "Microsoft Graph".

Microsoft Azure | Search resources, services, and docs (G+)

Home > vfttest | App registrations > Vitec Ekonomi2

Vitec Ekonomi2 | API permissions

Search (Ctrl+/) | Refresh | Got feedback?

Overview | Quickstart | Integration assistant

Manage

- Branding & properties
- Authentication
- Certificates & secrets
- Token configuration
- API permissions**
- Expose an API
- App roles
- Owners
- Roles and administrators
- Manifest

The "Admin consent required" column shows the default value for organizations where this app will be used. [Learn more](#)

Configured permissions

Applications are authorized to call APIs when they are granted permission. [Learn more about permissions](#)

+ Add a permission | Grant admin consent for vfttest

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

To view and manage permissions and user consent, try [Enterprise](#)

Request API permissions

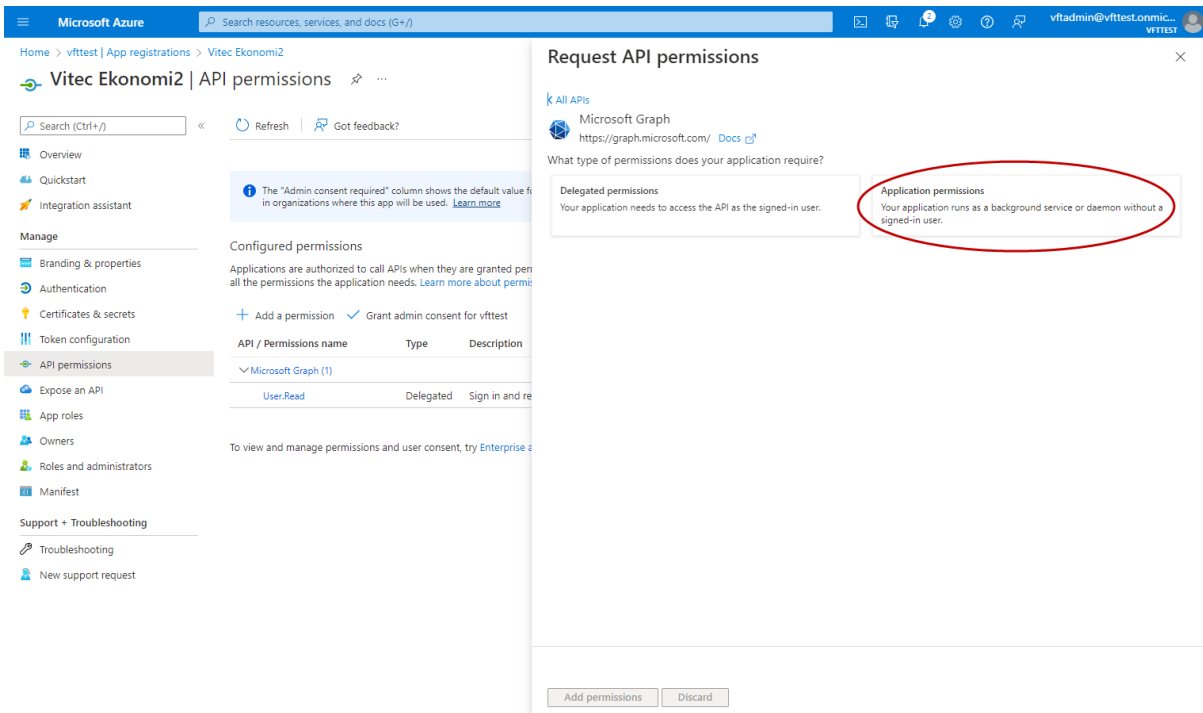
Select an API

Microsoft APIs | APIs my organization uses | My APIs

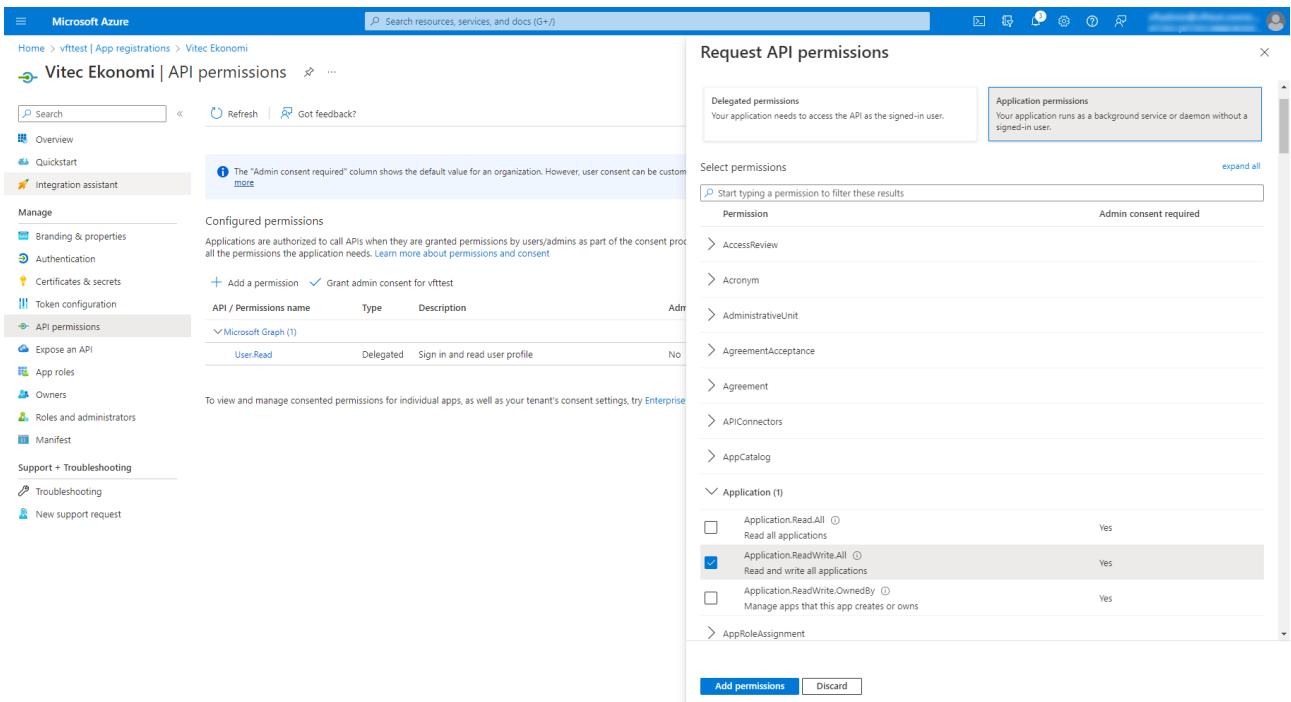
Commonly used Microsoft APIs

- 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 Communication Services
Rich communication experiences with the same secure CPaaS platform used by Microsoft Teams
- Azure Rights Management Services
Allow validated users to read and write protected content
- Azure Service Management
Programmatic access to much of the functionality available through the Azure portal
- Data Export Service for Microsoft Dynamics 365
Export data from Microsoft Dynamics CRM organization to an external destination
- Dynamics 365 Business Central
Programmatic access to data and functionality in Dynamics 365 Business Central
- Dynamics CRM
Access the capabilities of CRM business software and ERP systems
- Flow Service
Embed flow templates and manage flows
- Intune
Programmatic access to Intune data
- Office 365 Management APIs
Retrieve information about user, admin, system, and policy actions and events from Office 365 and Azure AD activity logs
- Power BI Service
Programmatic access
- SharePoint
Interact remotely with SharePoint data
- Skype for Business
Integrate real-time presence, secure

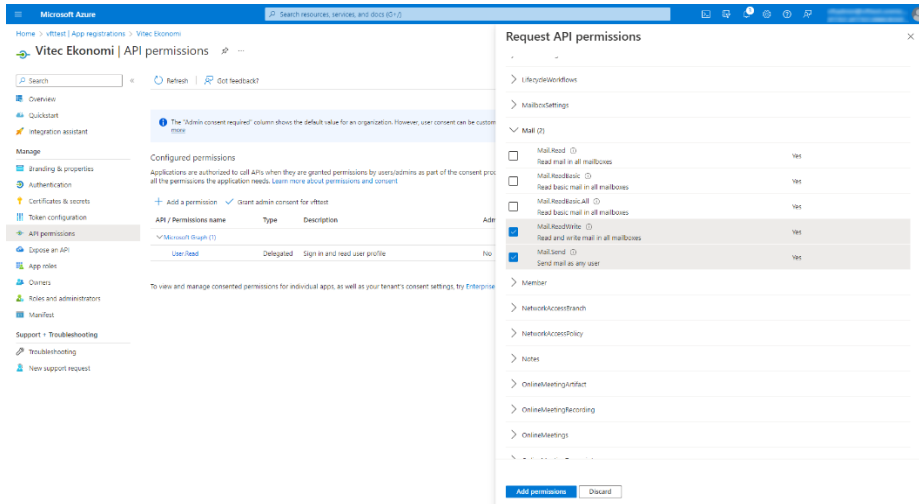
Välj "Application permissions".



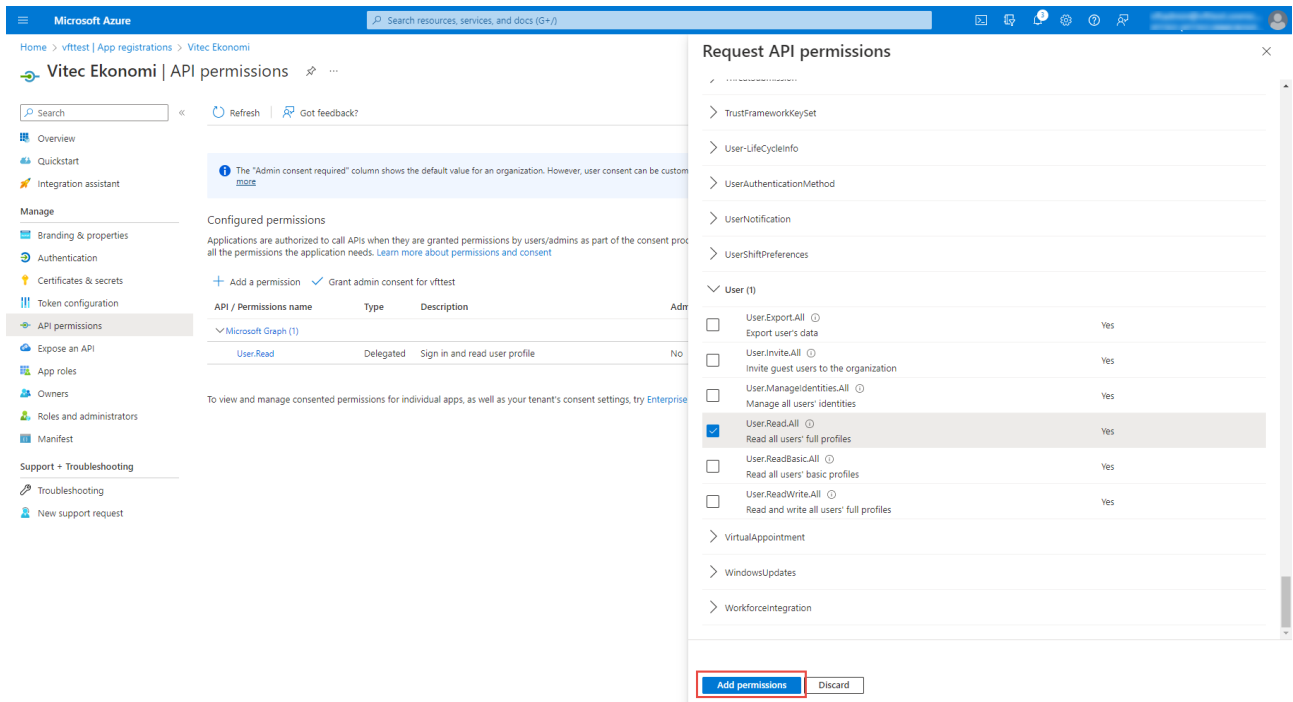
Välj rättigheten "Application.ReadWrite.All" fortsatt sedan till Mailsektionen



Välj rättigheterna "Mail.ReadWrite" och "Mail.Send" och fortsätt sedan till Usersektionen



Välj "User.Read.All" och avsluta med att klicka "Add permissions"



Klicka därefter "Grant admin consent for..." för att godkänna tilldelning av rättigheterna

Microsoft Azure | Search resources, services, and docs (G+)

Home > vfttest | App registrations > Vitec Ekonomi

Vitec Ekonomi | API permissions

You are editing permission(s) to your application, users will have to consent even if they've already done so previously.

The "Admin consent required" column shows the default value for an organization. However, user consent can be customized per permission, user, or app. This column may not reflect the value in your organization, or in organizations where this app will be used. [Learn more](#)

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 [Microsoft Graph](#)

API / Permissions name	Type	Description	Admin consent requ...	Status
Microsoft Graph (5)				
Application.ReadWrite.All	Application	Read and write all applications	Yes	⚠ Not granted for vfttest
Mail.ReadWrite	Application	Read and write mail in all mailboxes	Yes	⚠ Not granted for vfttest
Mail.Send	Application	Send mail as any user	Yes	⚠ Not granted for vfttest
User.Read	Delegated	Sign in and read user profile	No	
User.Read.All	Application	Read all users' full profiles	Yes	⚠ Not granted for vfttest

To view and manage consented permissions for individual apps, as well as your tenant's consent settings, try [Enterprise applications](#).

Godkänn

Microsoft Azure | Search resources, services, and docs (G+)

Home > vfttest | App registrations > Vitec Ekonomi

Vitec Ekonomi | API permissions

Grant admin consent confirmation.

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

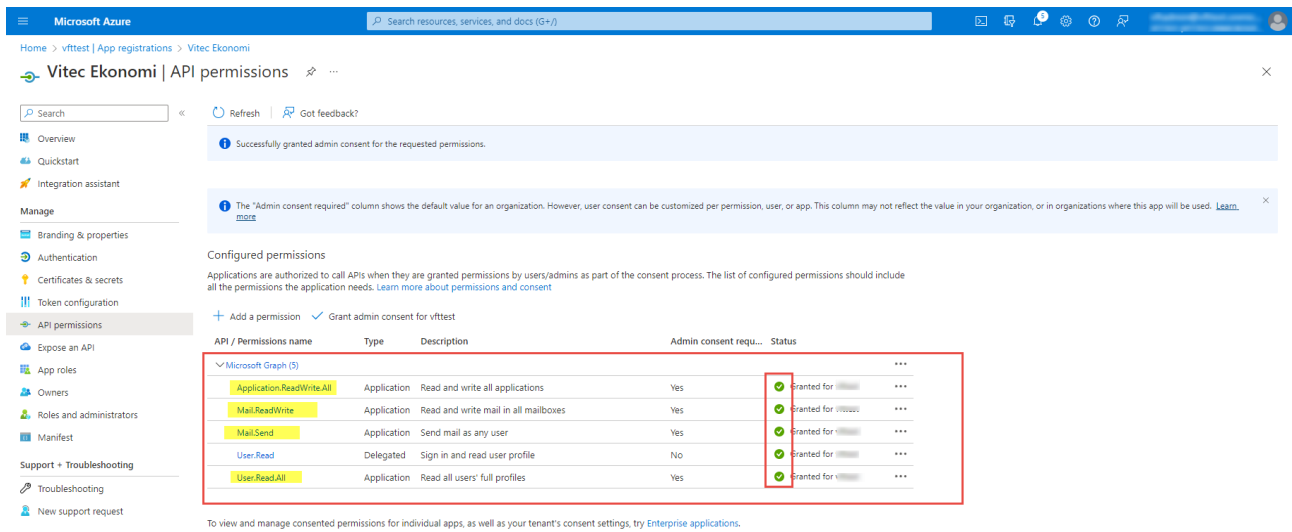
[more](#)

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](#)

Nu är alla nödvändiga rättigheterna för applikationen tillagda.

User.Read – Delegated behövs egentligen inte men läggs upp automatiskt så den får vara kvar.



Microsoft Azure

Home > vfttest | App registrations > Vitec Ekonomi

Vitec Ekonomi | API permissions

Search resources, services, and docs (G+)

Successfully granted admin consent for the requested permissions.

The "Admin consent required" column shows the default value for an organization. However, user consent can be customized per permission, user, or app. This column may not reflect the value in your organization, or in organizations where this app will be used. [Learn more](#)

Configured permissions

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+ Add a permission ✓ Grant admin consent for vfttest

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För att begränsa vilka mailboxar applikationen har tillgång till refereras till denna artikel.

<https://learn.microsoft.com/en-us/graph/auth-limit-mailbox-access>

Klart att använda

Nu är applikationsregistreringen klar att använda genom att ange uppgifterna TenantID, ApplicationId och Client Secret i systeminställningarna för Microsoft Graph. Om applikationen inte har tilldelats rättigheten "Application.ReadWrite.All" måste "Automatisk uppdatering av Client secret" slås av. [Läs mer i denna lathund >>](#)

