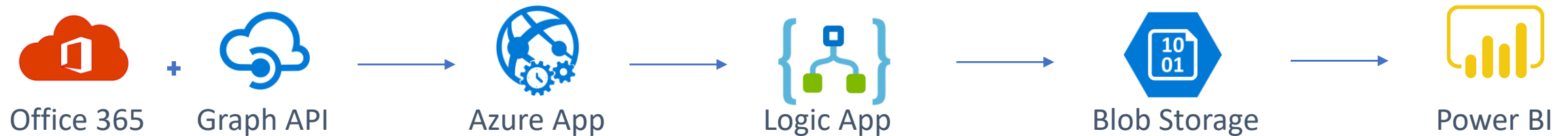


Office 365 Insight



Office 365 Usage Insight

Architecture



Graph API Office 365 usage reports

- Teams Device Usage User Detail
- Teams User Activity User Detail
- Office 365 Activations User Detail
- Email Activity User Detail
- Email App Usage User Detail
- Office 365 Active User Detail
- Office 365 Groups Activity Detail
- OneDrive Activity User Detail
- OneDrive Usage Account Detail
- SharePoint Activity User Detail
- SharePoint Site Usage Detail
- Skype For Business Activity User Detail
- Skype For Business Device Usage User Detail
- Yammer Activity User Detail
- Yammer Device Usage User Detail
- Yammer Groups Activity Detail

M365 Usage Analytics Auth App

Application permissions
Microsoft Graph: Reports.Read.All

Description:

The Azure AD App allows access to the application permission Reports.Read.All. The App is needed by the Logic App.

M365 Usage Analytics Daily Usage Export

Recurrence: Daily

Description:

Authenticates with the Azure AD App against the Microsoft Graph API. Runs a daily export of all Office 365 user activity reports and stores them in a blob container as csv files.

M365 Usage Analytics Storage

Description:

Storage for the daily M365 Usage Analytics csv report files.

Container:

Reports\getteamsuseractivityuserdetail\
2019-05-15.csv

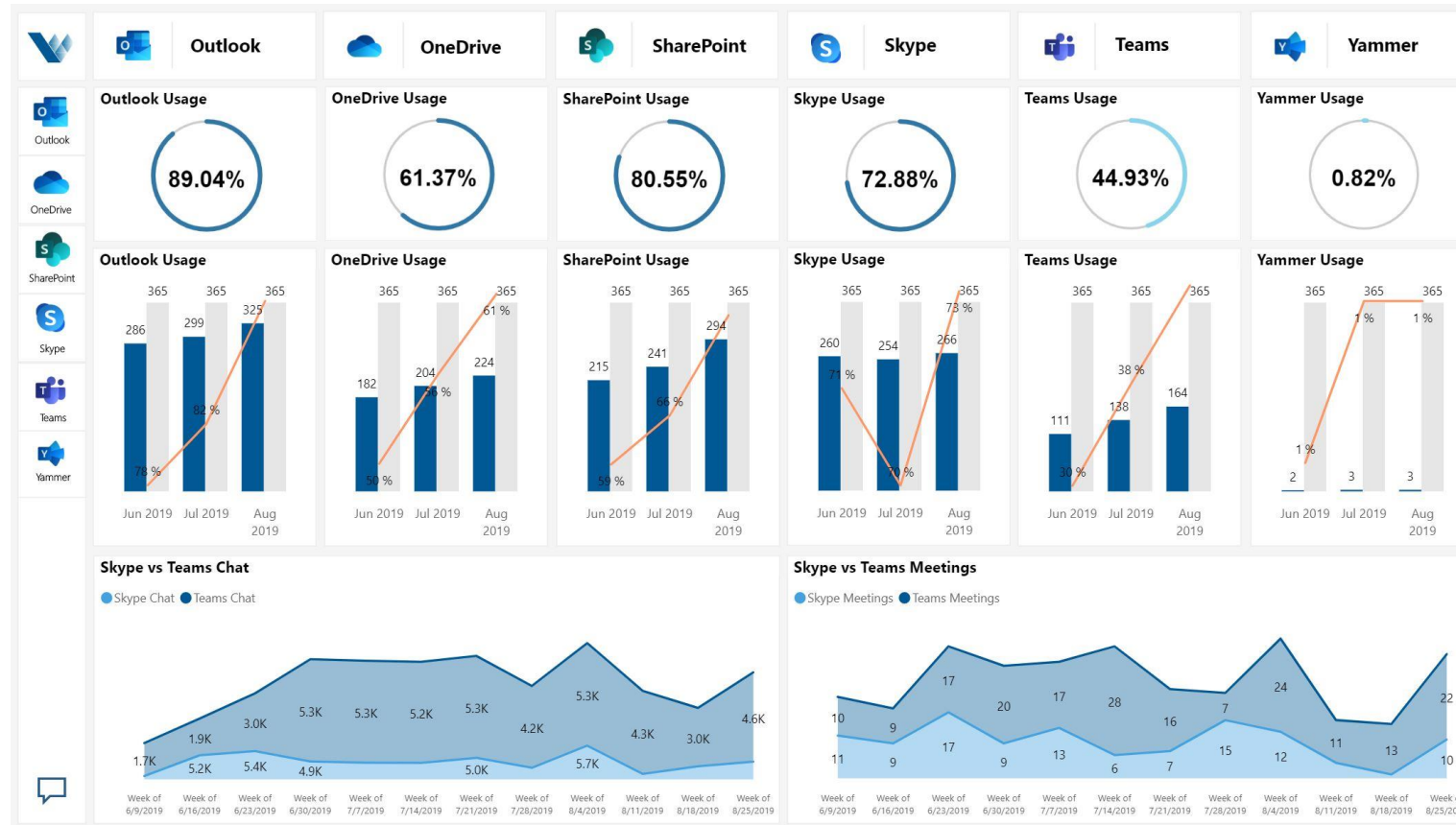
M365 Usage Analytics Reports

Description:

Power BI Dataflows imports and transforms the csv files and make them ready for analytics. M365 Usage Analytics Reports are then based on the dataflow as source.

Office 365 Usage Insight

«Your data, our smartness»












Demo Report:

<https://app.powerbi.com/view?r=eyJrIjojYjBIYmNkZjltZDMyZS00MjM2LTgyMjQtMGY0Y2M1MjlmMTIhIiwidCI6ImVhZGFjMjZjLTlzMjM0YjBmLTZmNDJmMWQ4ZCIsImMiOiJh9>

Task list – Office 365 Usage Insight

«Your data, our smartness»

Description	Responsible	Status
Create and give access to the Azure AD App (see instructions)	Customer	
Create and give access to a user account for Power BI with Power BI Pro License	Customer	
Create an Azure Resource Group where Ingraphic can create resources.	Customer	
Create Logic Apps	Ingraphic	
Create blob storage account	Ingraphic	
Design storage account structure	Ingraphic	
Create first draft of the Power BI Report	Ingraphic	
Create Power BI Workspace and Apps for distribution	Ingraphic	
Meeting with stakeholders – Discusses Power BI Report (Define KPI's, User access etc)	Both	

Installation

Office 365 Usage Insight



Azure AD App Creation

Office 365 Usage Insight

1. Click **Add a permission**
2. Select **Microsoft Graph**
3. Select **Application permissions**
4. Select **Reports.Read.All**
5. Select **Directory.Read.All**
6. Click **Add permissions**
7. Click **Grant admin consent for ******

Microsoft Azure

Home > Ingraphic > App registrations > M365 Usage Analytics - API permissions

M365 Usage Analytics - API permissions

Search (Ctrl+/)

Overview
Quickstart

Manage

Branding
Authentication
Certificates & secrets
API permissions
Expose an API
Owners
Roles and administrators (Previous versions)
Manifest

Support + Troubleshooting

Troubleshooting
New support request

API 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.

[Add a permission](#)

API / PERMISSIONS NAME	TYPE	DESCRIPTION	ADMIN CONSENT REQUIRED	STATUS
Microsoft Graph (3)				
Directory.Read.All	Application	Read directory data	Yes	✔ Granted for Ingraphic
Reports.Read.All	Application	Read all usage reports	Yes	✔ Granted for Ingraphic
User.Read	Delegated	Sign in and read user profile	-	✔ Granted for Ingraphic

These are the permissions that this application requests statically. You may also request user consent-able permissions dynamically through code. [See best practices for requesting permissions](#)

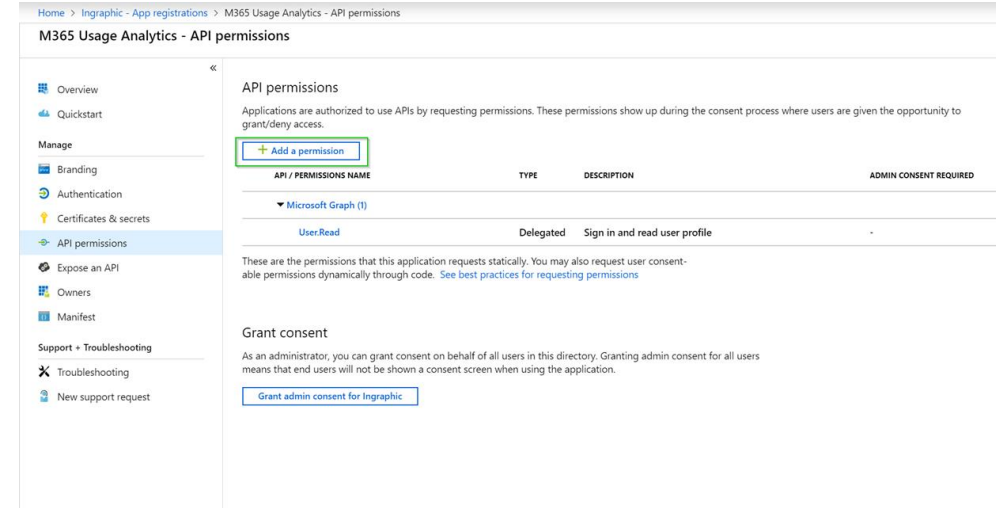
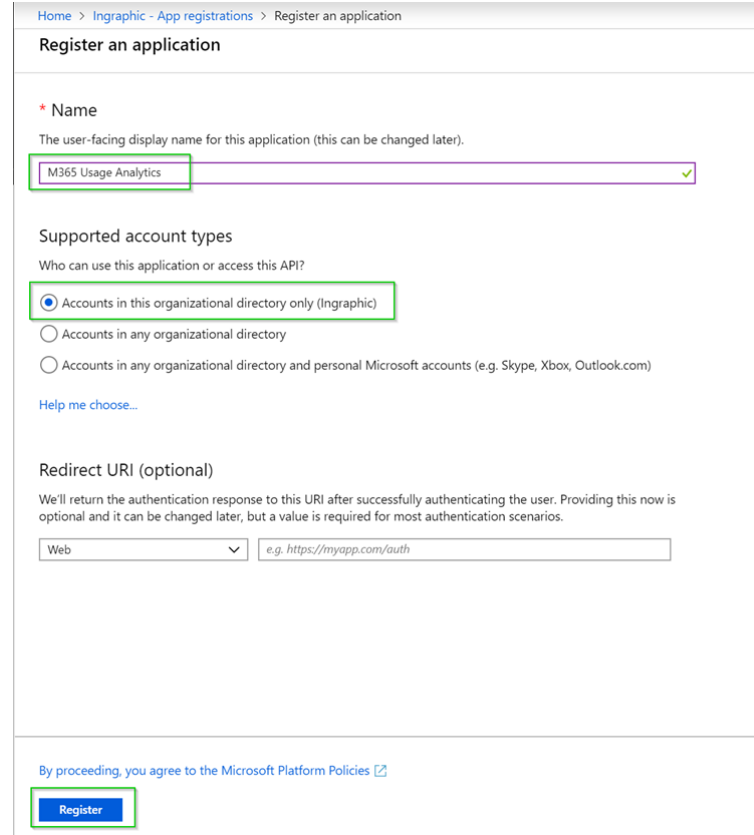
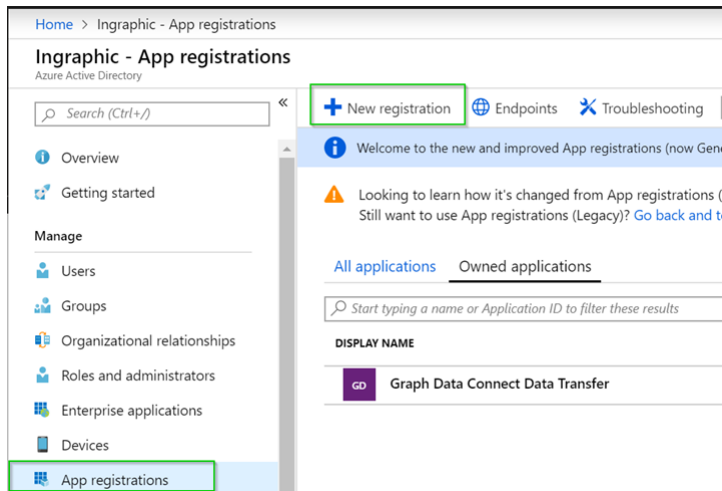
Grant consent

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

[Grant admin consent for Ingraphic](#)

Azure AD App Creation

Office 365 Usage Insight



Go to **portal.azure.com** and **Azure Active Directory**
Click **App Registrations – New registration**

Enter a Name for the Application,
and select **Accounts in this organization directory only**
Click **Register**

Click **API permissions – Add a permission**

M365 Usage Analytics

«Your data, our smartness»

Home > M365 Usage Analytics - Certificates & secrets

M365 Usage Analytics - Certificates & secrets

Overview

Quickstart

Manage

- Branding
- Authentication
- Certificates & secrets**
- API permissions
- Expose an API
- Owners
- Manifest

Support + Troubleshooting

- Troubleshooting
- New support request

Add a client secret

Description

M365 Usage Analytics LogicApp

Expires

☐ In 1 year
☐ In 2 years
☒ Never

Add Cancel

Client secrets

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
No client secrets have been created for this application.		

Click **Certificates & secrets**
 Click **Add a client secret**
 Add **Description**
 Select Expires – **Never**
 Click **Add**

Home > M365 Usage Analytics - Certificates & secrets

M365 Usage Analytics - Certificates & secrets

Overview

Quickstart

Manage

- Branding
- Authentication
- Certificates & secrets**
- API permissions
- Expose an API
- Owners
- Manifest

Support + Troubleshooting

- Troubleshooting
- New support request

Credentials enable 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.

Certificates

Certificates can be used as secrets to prove the application's identity when requesting a token. Also can be referred to as public keys.

Upload certificate

THUMBPRINT	START DATE	EXPIRES
No certificates have been added for this application.		

Client secrets

A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password.

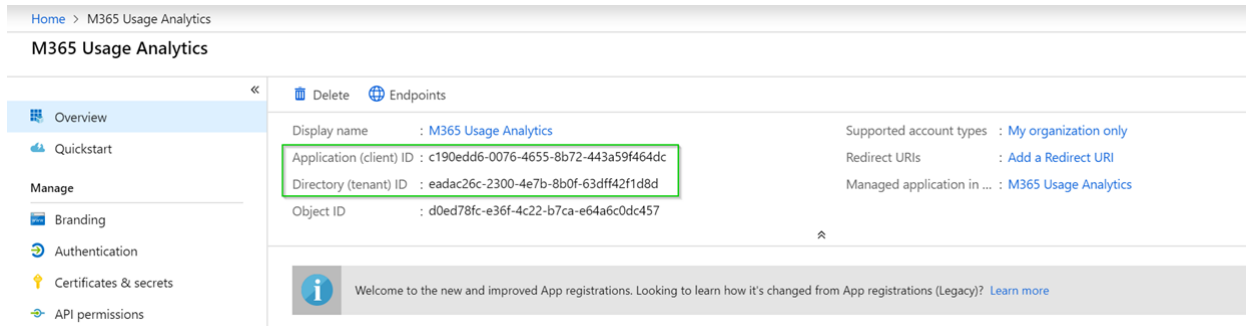
+ New client secret

DESCRIPTION	EXPIRES	VALUE
M365 Usage Analytics LogicApp	12/31/2299	-6t*****

Copy the **client secret value**

M365 Usage Analytics

«Your data, our smartness»



Home > M365 Usage Analytics

M365 Usage Analytics

«< Delete > Endpoints»

Display name	: M365 Usage Analytics	Supported account types	: My organization only
Application (client) ID	: c190edd6-0076-4655-8b72-443a59f464dc	Redirect URIs	: Add a Redirect URI
Directory (tenant) ID	: eadac26c-2300-4e7b-8b0f-63dff42f1d8d	Managed application in ...	: M365 Usage Analytics
Object ID	: d0ed78fc-e36f-4c22-b7ca-e64a6c0dc457		

Welcome to the new and improved App registrations. Looking to learn how it's changed from App registrations (Legacy)? [Learn more](#)

Click Overview

Copy the **Application Client ID**

Copy the **Directory tenant ID**

Send **Application Client ID**, **Directory tenant ID** and **Client Secret** in an encrypted mail to the Logic App Developer.



GET IN TOUCH

Address

Storgata 5
0184 OSLO

Phone & Fax

Direct Line: +47 980 16 981
info@Ingraphic.no

Social Media

Facebook.com/IngraphicAS
Twitter.com/IngraphicAS
Youtube.com/IngraphicAS