

#TeamsNation

Learn how to use Microsoft Search and integrate your business data



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@atwork



Sponsored by



Microsoft Teams



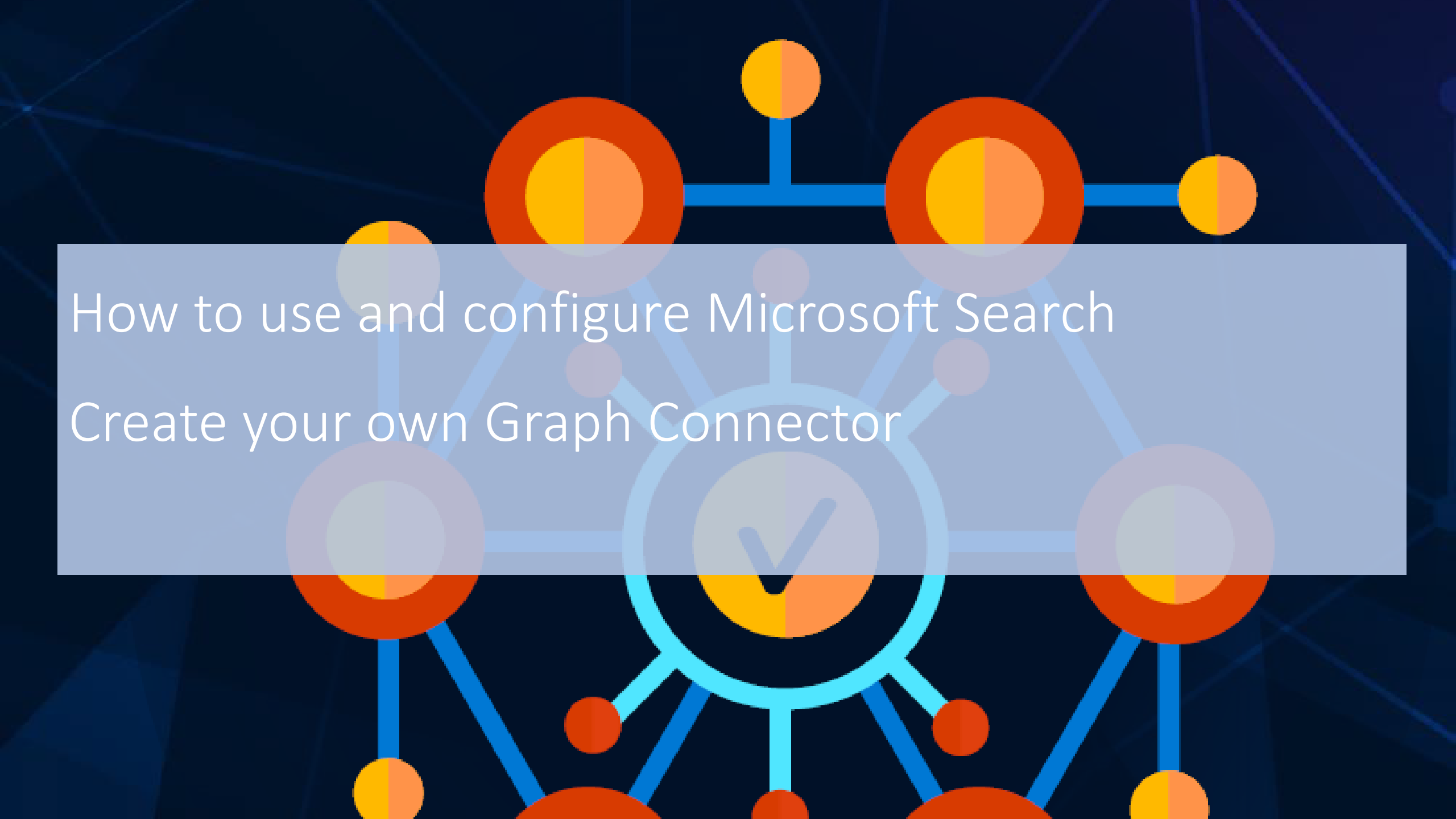
Microsoft Tech Community

In work life...

20%

of work time
spent searching for info
(and often in the wrong location)

Source: McKinsey Global Institute



How to use and configure Microsoft Search

Create your own Graph Connector

What is is?



Simple, intelligent search across Microsoft 365 and your company

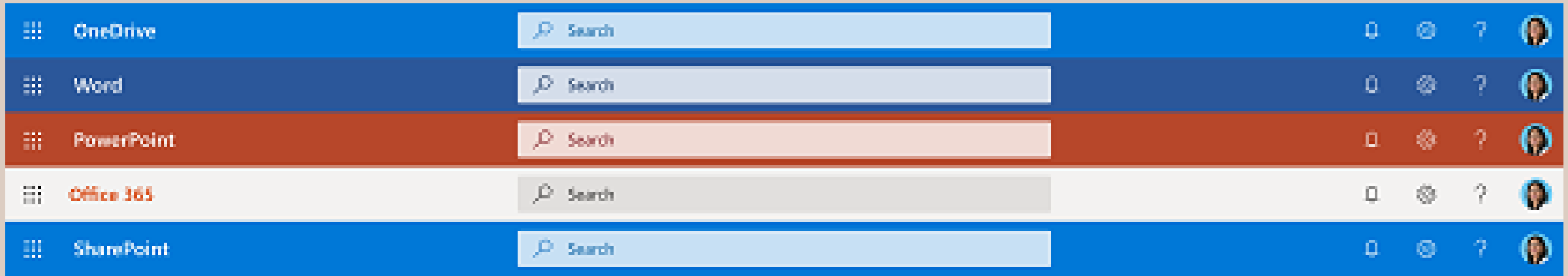
Data is secure, private, and never shared

An experience that's consistent and familiar, everywhere you search

Results are personalized for you and your work

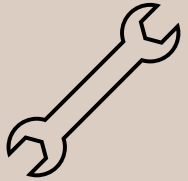
Search from any device, anywhere

Where is it?



- Outlook on the web
- Microsoft Office apps on Windows
- OneDrive for Business
- SharePoint
- Office.com or the starting pages for Word, Excel, and PowerPoint
- Bing
- "Over time the Microsoft Search box will come to more of the apps in Microsoft 365"

**It's personal!
+ permissions!**



Demo Microsoft Search



Why use the Microsoft Search?



ONE unified search
endpoint for
Microsoft cloud data

- No setup
- Easy to use
- Personal search
- Personal history
- Spell correction
- Configuration
- Automatic crawling
- Integrate other data sources
- Integrate custom data

Differences btw. Microsoft Search and SharePoint Search

Microsoft Search

- Modern search experience
- Microsoft Search is personal
- Using the same existing SPO Index
- At: SharePoint start page, hub sites, communication sites, and modern team sites
- Microsoft Search experience cannot be customized *
- Can be extended with custom data easily

SharePoint Search

- Classic Search
- Same result for everyone
- Using the existing SPO Index
- At: publishing sites, classic team sites, and in the Search Center
- Search admin can customize the classic search experience

Microsoft Search technologies

Microsoft Search

- Ready-to-use for content in M365
- Built-in features like AI, history, spell checker, etc
- Configure bookmarks, QnA, locations, acronyms
- Ingest your custom data easily

SharePoint Syntex

- Content extraction from unstructured documents
- Automatic forms extraction
- Power Platform AI Builder
- No-Code AI Models
- Trainable with document types

Viva Topics

- Discover important topics highlighted in content
- Automatically identify, process, and organize content
- Automatically build topic pages

Azure Cognitive Search

- No out-of-the-box solution – for developers
- Full control of the Indexing pipeline
- Powered by AI for OCR, translations, pictures, custom data recognition
- Data from Azure and SPO

SharePoint Syntex examples (form processing)

Track contract information with Microsoft SharePoint Syntex

1



In the Content Center, create a model for understanding contracts

2



Upload sample documents and run the training to identify contracts

3



Train the model to extract key fields from the contracts

4



Apply the model to the contracts library

5



Apply a retention label to the date field

Viva Topics examples



Introducing topic pages

Microsoft Viva helps you discover knowledge through topics. Some topics are discovered automatically. Some are added or edited by members of the topic center.

[Learn more about Viva Topics](#)

We've listed you on these topics. Did we get it right?

Find the reasons you're listed in the topic summaries. Stay listed so you can share your knowledge on the topic. [Learn more about topics.](#)

SUGGESTED TOPIC

Azure Backup

You contributed to resources

Azure Backup is a backup as a service offering that provides protection for physical or virtual machines no matter where they reside-on-premises or in the...

From [9781509302963_Microsoft Azure Essential...](#)

Do you want to be listed on this topic?

Yes

No. Remove me.

SUGGESTED TOPIC

SQL Server Express

You contributed to resources

Alternate name: SSE

SQL Server Express (SSE) is a lightweight and free database engine based on the SQL Server Yukon engine (currently in beta release).

From [Beginning ASP.NET 2.0 Databases Beta Pr...](#)

Do you want to be listed on this topic?

Yes

No. Remove me.

SUGGESTED TOPIC

Graph API

You contributed to resources

Alternate name: GraphAPI

The Graph API is an OData API that offers programmatic access to the entities that constitute an Azure AD tenant and all that it contains.

From [Modern Authentication with Azure Active...](#)

Do you want to be listed on this topic?

Yes

No. Remove me.

SUGGESTED TOPIC

Power BI

You contributed to resources

Alternate names: PowerBI, Power-BI

Power BI is a business analytics service by Microsoft. It aims to provide interactive visualizations and business intelligence capabilities with an interface simple...

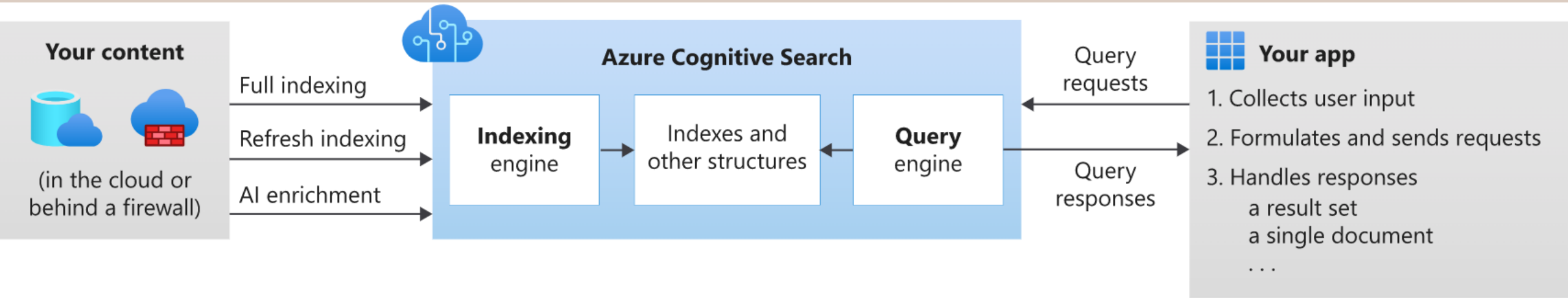
From [Wikipedia](#)
Text under CC-BY-SA license

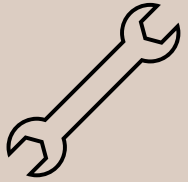
Do you want to be listed on this topic?

Yes

No. Remove me.

Azure Cognitive Search concept





Graph Connectors + API

Graph connectors support virtually any data source



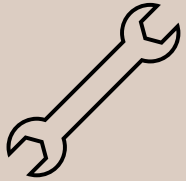
**Microsoft-built
connectors**



**Partner connectors
> 100
connectors**

{ api }

Microsoft Graph API



Use Azure Data Lake Storage Gen2 Graph Connector

<https://docs.microsoft.com/en-us/microsoftsearch/azure-data-lake-connector>



Home



Users



Teams & groups



Billing



Setup



Show all

Home > Search & intelligence > Data sources

Dark mode

Search & intelligence

[Insights](#)[Answers](#)[Data sources](#)[Customizations](#)[Configurations](#)

Search connection quota utilization (1.34%)



168 items indexed out of 12,500.①



Refresh



Name	Required actions	Connection ID	Publisher	Connection status
parts	-	parts	Search Connector App	Ready
workshops	Create Vertical Create Result type	workshops	Search Connector App	Ready
trainings	-	trainings	Search Connector App	Ready
cloud	Create Result type	cloud	Search Connector App	
contracts	-	contracts	Microsoft	



**Connect to data source**

Connect to data source

Choose a data source to create a connection for your organization. [Learn more about connectors.](#)

[Find More Connectors.](#)

**ADLS Gen2**

Connect to ADLS
Gen2

**Oracle SQL
database**

Connect to Oracle
SQL database

**ServiceNow**

Connect to
ServiceNow catalog..

**File share**

Connect to on-prem
network file share

**Microsoft SQL
server(New)**

Connect to Microsoft
SQL 2008 or later

**Enterprise
websites****MediaWiki****Salesforce****Azure SQL**[Next](#)

**Name the connection**

○ Connection settings

○ Assign property labels

○ Manage schema

○ Manage search permissions

○ Refresh settings

○ Review connection

○ Complete

Connection Name

To get started, fill out the basic information for the connection.

Name *

marketing

Connection ID *



marketing

Description

marketing

Next

Save and Close



Home > m365search



m365search | Access keys

Storage account

Search (Ctrl+ /)

Data migration

Events

Storage browser (preview)

Data storage

Containers

File shares

Queues

Tables

Security + networking

Networking

Access keys




Shared access signature

Encryption

Security

Data management

Geo-replication

 Hide keys  Set rotation reminder  Refresh

Access keys authenticate your applications' requests to this storage account. Keep your keys in a secure location like Azure Key Vault, and replace them often with new keys. The two keys allow you to replace one while still using the other.


Remember to update the keys with any Azure resources and apps that use this storage account. [Learn more](#)

Storage account name

m365search

key1

Last rotated: 11/3/2021 (23 days ago)

 Rotate key

Key

2B2+ck86dm3Q...


Connection string

DefaultEndpointsProtocol=https;AccountName=m365search;AccountKey=2B2+ck...

Copy to clipboard

key2

Last rotated: 11/3/2021 (23 days ago)

 Rotate key

Key

54BF8q1hLImGa...



Home > m365search

m365search | Storage browser (preview)

Storage account

Search (Ctrl+)

Overview

Activity log

Tags

Diagnose and solve problems

Access Control (IAM)

Data migration

Events

Storage browser (preview)

Data storage

Containers

File shares

Queues

Tables

Security + networking

Networking

Access keys

m365search

Favorites

Recently viewed

Blob containers

File shares

Queues

Tables

+ Add queue

Refresh

Delete

Edit columns

Queues

Search queues by prefix

Showing all 1 items

Name

Url

notifications

https://m365search.queue.core.windows.net/notifications

Add queue

Queue name

marketingnotifications

Ok

Cancel

Home > m365search

m365search | Storage browser (preview)

Storage account

Search (Ctrl+/)

Overview

Activity log

Tags

Diagnose and solve problems

Access Control (IAM)

Data migration

Events

Storage browser (preview)

m365search

Favorites

> Recently viewed

Blob containers

File shares

Queues

Tables

+ Add queue

Refresh

Delete

Edit columns

Queues

Search queues by prefix

Showing all 2 items

Name

Url

[marketingnotificatio...](#)<https://m365search.queue.core.windows.net/marketingnotifications>[notifications](#)<https://m365search.queue.core.windows.net/notifications>

Successfully created storage queue

Successfully created storage queue
'marketingnotifications'

☒ Name the connection☒ **Connection settings**☐ Assign property labels☐ Manage schema☐ Manage search permissions☐ Refresh settings☐ Review connection☐ Complete

Connection settings

Step to setup the authentication and configuration of ADLS Gen2 connector

Default Read access is not granted to "Other" in ADLS. So if you choose the option "Limited to Access Control Level (ACL)" in Search Permissions, please make sure to grant "Other" Read Access at the top most blob container or top most folder, so that indexed items from ADLS are returned in Search Results for users in your Org.

> Follow these steps to find the connection string for your ADLS resource.

Primary storage connection string *

DefaultEndpointsProtocol=https;AccountName=m365search;Accoun...

☒ Same with primary storage

Notifications storage connection string

DefaultEndpointsProtocol=https;AccountName=m365search;Accoun...

Notification queue name

marketingnotifications

Test connection

Back

Next



Connection settings

Step to setup the authentication and configuration of ADLS Gen2 connector

Default Read access is not granted to "Other" in ADLS. So if you choose the option "Limited to Access Control Level (ACL)" in Search Permissions, please make sure to grant "Other" Read Access at the top most blob container or top most folder, so that indexed items from ADLS are returned in Search Results for users in your Org.

The connection is successful.

> Follow these steps to find the connection string for your ADLS resource.

Primary storage connection string *

DefaultEndpointsProtocol=https;AccountName=m365search;Accoun...

☒ Same with primary storage

Notifications storage connection string

DefaultEndpointsProtocol=https;AccountName=m365search;Accoun...

Notification queue name

marketingnotifications

Back

Next





- ✓ Name the connection
- ✓ Connection settings
- Assign property labels**
- Manage schema
- Manage search permissions
- Refresh settings
- Review connection
- Complete









Assign property labels

You can select a source property to assign to each label. Assigning properties is optional, but can improve search relevance and ensure more accurate search results for people in your organization.

Label	Description	Type	Source properties
Title	The title of the item that you want shown i...	String	<input type="text" value="Name"/>
url	The target URL of the item in the data sou...	String	<input type="text" value="Url"/>
Last modified by	Name of the person who most recently edi...	String	<input type="text" value="Select"/>
Last modified date time	Date & time the item was last modified in ...	DateTime	<input type="text" value="LastModifiedDateTime"/>
File name	In case of a file, the name of the file in the ...	String	<input type="text" value="Select"/>

[Back](#)[Next](#)



Search & intelligence > Data sources > Add New 'ADLS Gen2' Connector


-  Name the connection
-  Connection settings
-  Assign property labels
-  **Manage schema**
-  Manage search permissions
-  Refresh settings
-  Review connection
-  Complete

Content Property

The content property you select will be used to generate result snippets and descriptions in search results.

Content

12 items  Search  Filter

Source properties	Alias	Type	Labels	Query
BlobSASUri	<div>SystemIncludeAuthzSign1 </div>	String		<input checked="" type="checkbox"/>
Content (Content)	<div></div>	String		<input type="checkbox"/>
ContentLength	<div></div>	Int64		<input type="checkbox"/>
ContentPreview	<div></div>	String		<input type="checkbox"/>

Back

Next

Save and Close








Search & intelligence > Data sources > Add New 'ADLS Gen2' Connector

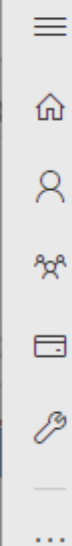
- ☒ Name the connection
- ☒ Connection settings
- ☒ Assign property labels
- ☒ **Manage schema**
- ☐ Manage search permissions
- ☐ Refresh settings
- ☐ Review connection
- ☐ Complete

used to generate result snippets and descriptions in search results.

12 items  Search  Filter

	Type	Labels	Query	Search	Retrieve	Refine
<input type="text" value="mIncludeAuthzSign1"/> 	String		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	String		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	Int64		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	String		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>





- ✓ Name the connection
- ✓ Connection settings
- ✓ Assign property labels
- ✓ Manage schema
- Manage search permissions**
- Refresh settings
- Review connection
- Complete

Manage search permissions

These users will see search results from this data source.



Only people with access to this data source







Only users in your source Access Control List (ACL) will see search results from this data source. An ACL specifies which users can access files and other items.





Everyone


Everyone in your organization will see search results from this data source.


[Back](#)[Next](#)[Save and Close](#)





 Name the connection


 Connection settings


 Assign property labels

 Manage schema

 Manage search permissions

 Refresh settings

 Review connection

 Complete

Refresh settings

Set the refresh interval to update data that's changed

Incremental refresh interval

15 minutes

Full refresh interval

1 day

1 day

1 week



2 weeks

4 weeks

Back

Next

Save and Close





- ✓ Name the connection
- ✓ Connection settings
- ✓ Assign property labels
- ✓ Manage schema
- ✓ Manage search permissions
- ✓ Refresh settings
- Review connection**
- Complete

Review connection

Review the configured settings for the connection

Connection Name

marketing

[Edit Connection Name](#)

Data source

m365search

[Edit Data Source](#)

Schema

12 properties added.

[Edit Schema](#)

Search Permissions

Visible to everyone

[Edit Search Permissions](#)

Back

Finish

Save and Close





- ✓ Name the connection
- ✓ Connection settings
- ✓ Assign property labels
- ✓ Manage schema
- ✓ Manage search permissions
- ✓ Refresh settings
- ✓ Review connection
- **Complete**

New connection created

This connection will be published in a few minutes, and then it will get indexed. If the data source is large, indexing may take a few hours.

When this connection is published, which you'll see on the Connectors tab, you'll need to add a Vertical for this connector to view insights on how users search this data source.

[Done](#)

Search & intelligence







Insights Answers Data sources Customizations Configurations

Search connection quota utilization (1.48%)





185 items indexed out of 12,500. ⓘ

[+ Add](#) [Refresh](#)

Name	Required actions	Connection
 parts	-	parts
 workshops	Create Vertical Create Result type	workshops
 trainings	-	trainings
 cloud	Create Result type	cloud
 contracts	-	contracts
 marketing	Create Vertical Create Result type	marketing

marketing

 [||](#)
 marketing • Microsoft

Detail Statistics Error

Description

marketing

Current Crawl

Next Crawl

Start time	Type
11/27/2021, 11:12 PM	Incremental

Last Crawl

Total item errors	Data source
-------------------	-------------



Search & intelligence

Insights Answers Data sources Customizations Configurations

Search connection quota utilization (1.48%)



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[+ Add](#) [Refresh](#)

Name	Required actions	Connection
parts	-	parts
workshops	Create Vertical Create Result type	workshops
trainings	-	trainings
cloud	Create Result type	cloud
contracts	-	contracts
marketing	Create Vertical Create Result type	marketing

marketing

marketing • Microsoft

Last Crawl

Total item errors

0

Data source

m365search

Permissions

Visible to everyone

Items indexed

17

Schema

12 properties added.

Crawl Schedule

Full refresh interval
1 day

Incremental refresh interval
15 minutes



Note: Azure Data Lake Storage Gen2 Graph connector

- Files size needs to be 4 MB or less for it to be crawled.
- Word (.docx, .docm, .dotx, .dotm)
- PowerPoint (.pptm, .pptx, .potm, .potx, .ppam, .ppsm, .ppsx)
- Excel (.xlsx, .xlsm)
- Legacy Office formats (.doc, .dot, etc.)
- Text (.txt)
- HTML
- PDF
- Binary files like images (.jpg, .bmp, etc. , also when embedded) are not supported

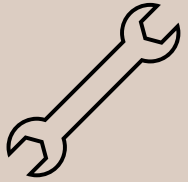
<https://docs.microsoft.com/en-us/microsoftsearch/azure-data-lake-connector>

Microsoft Graph connector API limits

Keep these limits in mind when designing connectors:

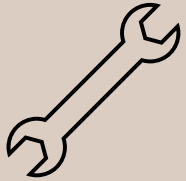
- Max. 10 connections per Microsoft 365 tenant
- Max. 700,000 items per connection
- Max. 70 GB byte size of a connection
- Max .128 properties per schema
- Max. 100,000 external groups per Microsoft 365 tenant
- Max. 1000 requests/sec (HTTP 429)
- Item ingestion: 4 items/sec (250 MB/hour)
- Item ingestion: 4 MB is the maximum size of an item (request body size)
- HTTP status code 429 if too many requests occurred

<https://docs.microsoft.com/en-us/graph/connecting-external-content-api-limits>



Use the API with Powershell

<https://github.com/tonipohl/MicrosoftSearch>



Use the API with C# Code

<https://github.com/microsoftgraph/msgraph-search-connector-sample>

Table: Parts Filter in...

	PartNumber	Name	Description	Price	In
	Filter	Filter	Filter	Filter	Filt
1	1000	Door hinge	Door hinge for refrigerators	19.99	
2	1001	Door handle (stainless steel)	Door handle for refrigerators	49.99	
3	1002	Door handle (black)	Door handle for refrigerators	39.99	
4	1003	Door handle (white)	Door handle for refrigerators	39.99	
5	1004	Compressor	Compressor for refrigerators	129.99	
6	1005	Door hinge	Door hinge for dishwashers	17.99	
7	1006	Door handle (stainless steel)	Door handle for dishwashers	48.99	
8	1007	Door handle (black)	Door handle for dishwashers	37.99	
9	1008	Door handle (white)	Door handle for dishwashers	37.99	
10	1009	Water pump	Water pump for dishwashers	89.99	
11	1011	Black car seats	Fancy black seats for a car	450.0	
12	1012	Blue car seats	Fancy black seats for a car	450.0	
13	1013	Pink car seats	Fancy black seats for a car	450.0	

Mode: Text

1 1000

Type of data currently in cell: Text / Numeric
4 character(s)

Apply

Identity Select an identity to connect

DBHub.io

Local

Current Database

Name

Last modified

Size

C:\TFSRepo\Session\Search\Parts\PartsInventoryConnector\bin\Debug\netcoreapp3.1\PartsInventoryConnector.exe

Parts Inventory Search Connector

Current connection: NONE

Please choose one of the following options:

1. Create a connection
2. Select an existing connection
3. Delete current connection
4. Register schema for current connection
5. View schema for current connection
6. Push updated items to current connection
7. Push ALL items to current connection
8. Exit

1

Enter a unique ID for the new connection:

parts

Enter a name for the new connection:

parts

Enter a description for the new connection:

parts description

New connection created

```
{
  "Configuration": {
    "AuthorizedAppIds": [
      "e8ca4bc7-7570-42ad-b9e2-263ceff12832"
    ],
    "AdditionalData": {
      "authorizedApps": {
        "ValueKind": 2
      }
    }
  },
}
```

C:\TFSRepo\Session\Search\Parts\PartsInventoryConnector\bin\Debug\netcoreapp3.1\PartsInventoryConnector.exe

Current connection: NONE

Please choose one of the following options:

1. Create a connection
2. Select an existing connection
3. Delete current connection
4. Register schema for current connection
5. View schema for current connection
6. Push updated items to current connection
7. Push ALL items to current connection
8. Exit

2

Getting existing connections...

Choose one of the following connections:

1. workshops
2. trainings
3. cloud
4. parts

Selection: 4

Current connection: parts

Please choose one of the following options:

1. Create a connection
2. Select an existing connection
3. Delete current connection
4. Register schema for current connection
5. View schema for current connection
6. Push updated items to current connection
7. Push ALL items to current connection
8. Exit

4

Select C:\TFSRepo\Session\Search\Parts\PartsInventoryConnector\bin\Debug\netcoreapp3.1\PartsInventoryConnector.exe

Current connection: parts

Please choose one of the following options:

1. Create a connection
2. Select an existing connection
3. Delete current connection
4. Register schema for current connection
5. View schema for current connection
6. Push updated items to current connection
7. Push ALL items to current connection
8. Exit

4

Registering schema, this may take a moment...

Schema registered

Current connection: parts

Please choose one of the following options:

1. Create a connection
2. Select an existing connection
3. Delete current connection
4. Register schema for current connection
5. View schema for current connection
6. Push updated items to current connection
7. Push ALL items to current connection
8. Exit

C:\TFSRepo\Session\Search\Parts\PartsInventoryConnector\bin\Debug\netcoreapp3.1\PartsInventoryConnector.exe

```
    "AdditionalData": null,  
    "ODataType": null  
  },  
  ],  
  "Id": null,  
  "ODataType": null,  
  "AdditionalData": {  
    "@odata.context": {  
      "ValueKind": 3  
    }  
  }  
}
```

Current connection: parts

Please choose one of the following options:

1. Create a connection
2. Select an existing connection
3. Delete current connection
4. Register schema for current connection
5. View schema for current connection
6. Push updated items to current connection
7. Push ALL items to current connection
8. Exit

7

Processing 15 add/updates, 0 deletes

Uploading part number 1000...DONE

Uploading part number 1001...DONE

Uploading part number 1002...DONE

Uploading part number 1003...DONE

Uploading part number 1004..._



Home > Search & intelligence > Data sources

Search & intelligence

Insights Answers Data sources Customizations Configurations

Search connection quota utilization (1.59%)



199 items indexed out of 12,500. ⓘ

[+ Add](#) [Refresh](#)

Name	Required actions	Connection ID	Publisher	Connection state	Last sync
workshops	Create Vertical Create Result type	workshops	Search Connector App	Ready	2/16/2024
trainings	-	trainings	Search Connector App	Ready	17 hours ago
cloud	-	cloud	Search Connector App	Ready	2/17/2024
contracts	-	contracts	Microsoft	Ready	17 minutes ago
parts	-	parts	Search Connector App	Ready	8 minutes ago



Refresh

parts

0

parts • Search Connector App

Detail Statistics

Description

parts description

Data source

Custom

Permissions

Visible to everyone

Items indexed

15

Index limit

700,000

Schema

6 properties added.

Crawl Schedule

Crawl schedule is managed outside of Admin Portal for partner connections





SQL 1

```
1 INSERT INTO Parts (partnumber,name,Description,price,inventory,isdeleted)
2 VALUES ('1020','Pink car','A car in pink',1150,150,0);
3
4 INSERT INTO Parts (partnumber,name,Description,price,inventory,isdeleted)
5 VALUES ('1021','Green car','A car in green',950,150,0);
6
```

Execution finished without errors.
Result: query executed successfully. Took 0ms, 1 rows affected
At line 4:
INSERT INTO Parts
(partnumber,name,Description,price,inventory,isdeleted)
VALUES ('1021','Green car','A car in green',950,150,0);

Mode: Text

NULL

Type of data currently in cell: NULL

0 byte(s)

Apply

Identity Select an identity to connect

DBHub.io

Local

Current Database



Name

Last modified

Size

Table: Parts Filter in...

	PartNumber	Name	Description	Price	In
	Filter	Filter	Filter	Filter	Filt
1	1000	Door hinge	Door hinge for refrigerators	19.99	
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5	1004	Compressor	Compressor for refrigerators	129.99	
6	1005	Door hinge	Door hinge for dishwashers	17.99	
7	1006	Door handle (stainless steel)	Door handle for dishwashers	48.99	
8	1007	Door handle (black)	Door handle for dishwashers	37.99	
9	1008	Door handle (white)	Door handle for dishwashers	37.99	
10	1009	Water pump	Water pump for dishwashers	89.99	
11	1011	Black car seats	Fancy black seats for a car	450.0	
12	1012	Blue car seats	Fancy black seats for a car	450.0	
13	1013	Pink car seats	Fancy black seats for a car	450.0	
14	1020	Pink car	A car in pink	1150.0	
15	1021	Green car	A car in green	950.0	

1 - 14 of 15

Go to: 1

Mode: Text

1 1000

Type of data currently in cell: Text / Numeric
4 character(s)

Apply

Identity Select an identity to connect

DBHub.io

Local

Current Database

Name

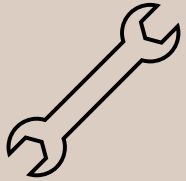
Last modified

Size


```
C:\TFSRepo\Session\Search\Parts\PartsInventoryConnector\bin\Debug\netcoreapp3.1\PartsInventoryConnector.exe
3. cloud
4. parts
Selection: 4

Current connection: parts
Please choose one of the following options:
1. Create a connection
2. Select an existing connection
3. Delete current connection
4. Register schema for current connection
5. View schema for current connection
6. Push updated items to current connection
7. Push ALL items to current connection
8. Exit
6
Uploading changes since last upload at 28.02.2022 18:22:23
Processing 1 add/updates, 0 deletes
Uploading part number 1013...DONE

Current connection: parts
Please choose one of the following options:
1. Create a connection
2. Select an existing connection
3. Delete current connection
4. Register schema for current connection
5. View schema for current connection
6. Push updated items to current connection
7. Push ALL items to current connection
8. Exit
```

Use the API with the ready to use PnP Search solution
(PnP Modern Search v4, February 2022)

<http://aka.ms/pnp-search>

<https://github.com/microsoft-search/pnp-modern-search/releases>

Microsoft Search Summary

- How to configure Microsoft Search?
 - Do nothing. It comes with M365 automatically
- Does it cost extra?
 - No (included in the M365 licenses)
- What happens if a user has no Search license?
 - The "Microsoft Search" plan is assigned automatically. It can't be unassigned.
- Does it support various languages?
 - Yes
- Does it search Team chats?
 - Currently, no
- Does it search pictures (OCR, ...)?
 - No. Use Azure Cognitive Search
- What does Microsoft Search search?
 - See graphics

- How many connectors can I configure?
 - You can add a maximum of ten Graph connections to each tenant.
- Can you customize the refiners?
 - Currently, no
- Can you customize the search results?
 - Currently only for your own connectors (but December is a good month...)
- What quota/what if I reach the quota?
 - e.g. E5: 500 items * 100 users = 50,000 items index quota
 - Add Extra Graph Connector Capacity licenses
- What other data and features will be included in future?
 - Coming...

Knowledge & Content Services roadmap 2021-2022

	Experiences	Foundation	Language support	Clouds
Viva Topics	<ul style="list-style-type: none">• Topics in Teams – Preview• Topics in Outlook and Yammer• Question concierge• Topic management updates• Support for topic types	<ul style="list-style-type: none">• Graph connected content available for knowledge indexing• Shared components for topics• API in Microsoft Graph• Syntex taxonomy integration	<ul style="list-style-type: none">• Extended language support French, German, Spanish	Government Community Cloud (GCC) availability
SharePoint Syntex	<ul style="list-style-type: none">• Content assembly• Advanced metadata search• Contract management• Image tagging	<ul style="list-style-type: none">• APIs in Microsoft Graph	<ul style="list-style-type: none">• Extended language support French, German, Italian, Spanish	GCC High availability
Microsoft Search	<ul style="list-style-type: none">• Azure Cognitive Search results in Microsoft Search• Recommended Bookmarks• Recommended Q&A• Connector results on All vertical• Personal query history in SharePoint and Office.com• Semantic search• People-centric search in SharePoint and Office.com	<ul style="list-style-type: none">• New connectors<ul style="list-style-type: none">• Jira• Confluence• SharePoint Server• Schoology• CSV• eDiscovery support for Microsoft Graph connectors• Stemming support with Microsoft Graph connectors		GCC availability
Compliance	<ul style="list-style-type: none">• Retention policies for Yammer• Retention for cloud attachments• Retention labels auto-applied based on sensitivity label• Outlook clients support for records management	<ul style="list-style-type: none">• Graph API to manage labels & events		

What to expect in Microsoft Search in near future?

<https://www.microsoft.com/en-us/microsoft-365/roadmap?filters=Microsoft%20Search>



Microsoft Search Resources

- Session content
<https://github.com/tonipohl/MicrosoftSearch>
- Configure Search Connector with the admin portal
<https://www.youtube.com/watch?v=TVSkJpk1RiE>
- Configure the Azure Data Lake Storage Gen2 Graph connector
<https://docs.microsoft.com/en-us/microsoftsearch/azure-data-lake-connector>
- File share Graph connector to search on-premise Windows file shares
<https://docs.microsoft.com/en-us/microsoftsearch/fileshare-connector>
- On-prem connectors: Install the Microsoft Graph connector Agent
<https://docs.microsoft.com/en-us/microsoftsearch/graph-connector-agent>
<https://aka.ms/gcdownload>
- C# sample
<https://github.com/microsoftgraph/msgraph-search-connector-sample>
- PnP Modern Search v4 webparts
<https://microsoft-search.github.io/pnp-modern-search/>
- Microsoft Graph Resources (code)
<https://developer.microsoft.com/en-us/graph/gallery/?filterBy=Samples,SDKs>
- SPFx sample
<https://github.com/microsoft-search/spfx-samples/tree/master/Sample1.0>
Microsoft Search in SharePoint and Office 365
<https://www.youtube.com/watch?v=6upqwbbHoJM>
- Bringing external data into Microsoft 365 - custom search result types and verticals Chris O'Brien
<https://www.sharepointnutsandbolts.com/2021/09/Microsoft-365-custom-search-vertical-result-type.html?m=0>
- Licensing and pricing
<https://docs.microsoft.com/en-us/microsoftsearch/licensing>
- Microsoft Graph Postman Collections
<https://www.postman.com/microsoftgraph/workspace/microsoft-graph/collection/455214-085f7047-1bec-4570-9ed0-3a7253be148c?ctx=documentation>
- Roadmap
<https://www.microsoft.com/en-us/microsoft-365/roadmap?filters=Microsoft%20Search>

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1



Attend more
sessions and
join our
keynotes at
19.00 CET

2



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3

[https://teamsnation.rocks/
feedback](https://teamsnation.rocks/feedback)