

Integrate Graph connector content into various M365 experiences

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Agenda

-
- Intro to Microsoft Search + Graph connectors
 - Demo
 - Graph connector anatomy
 - Building your custom connector

**Organizational data is
growing exponentially**

Data live in silos

**20% to 30% time lost
searching for information**

**Modern workers need to find
and discover info quickly**





AI-powered, modern search for your workplace

Included with Microsoft 365

Relevant and personalized results

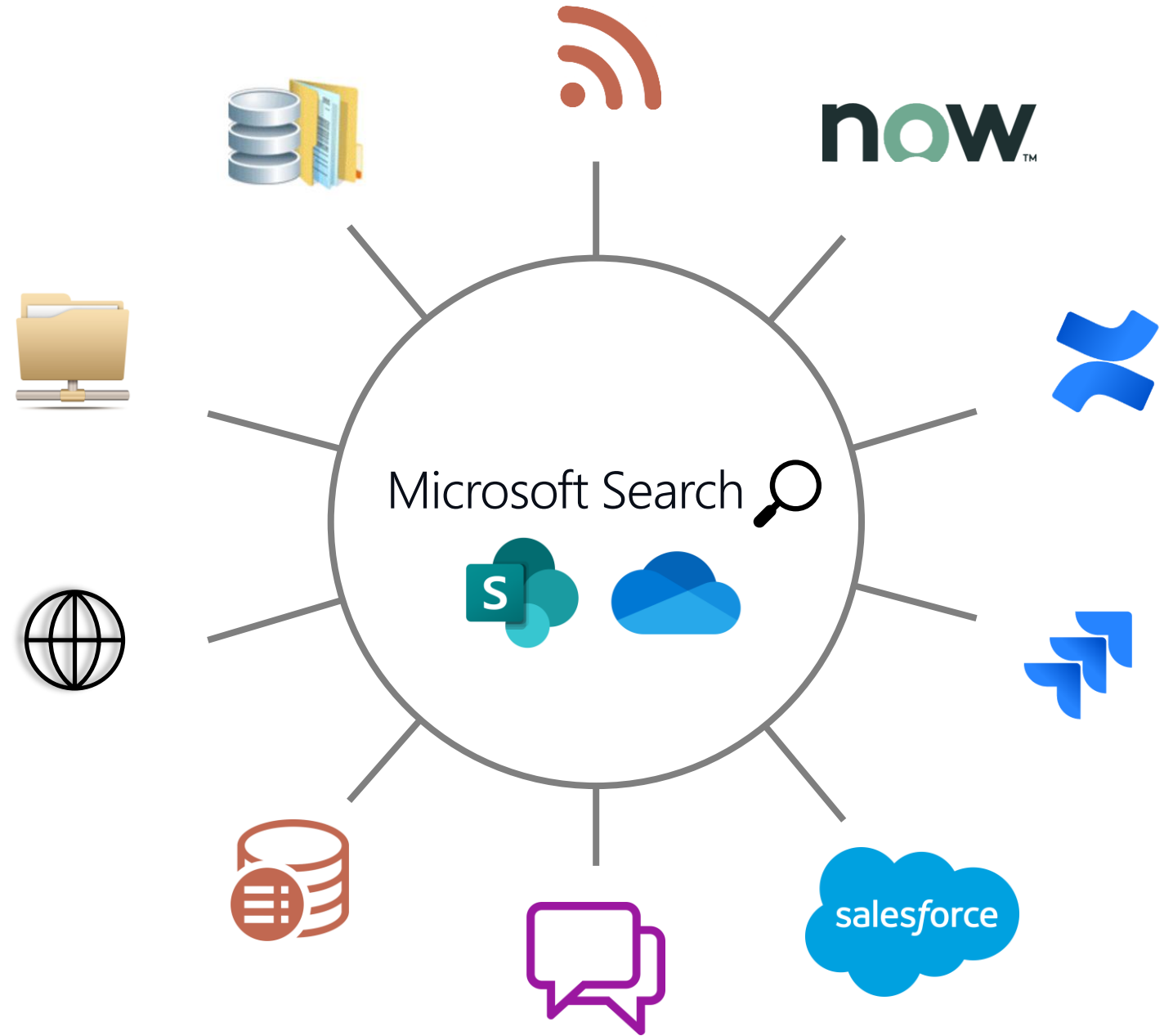
Data is always secured

Search from any device, anywhere

Graph connectors
connect your data
sources Microsoft Search

Over 130 data sources
supported

APIs enable you to
develop custom
connectors



Connected data becomes
part of Microsoft Graph

Connected data can
participate in multiple
Microsoft 365 experiences



Demo

Connector content integration with
various M365 experiences



Office

Search



BB



Home



Create



My Content



Outlook



Teams



Word



Excel



PowerPoint



Admin



Apps

Good afternoon

Install Office

Recommended



You created a task for **Meredith Vasquez**
Wed at 2:17 PM

CONTOSO LTD
INTERNATIONAL
MARKETING STRATEGIES

Sales and Marketing Team



International Marketing Strategies



You reassigned a task to **Meredith Vasquez**
Yesterday at 1:05 PM



Contoso Purchasing Data - Q1



You created a task for **Meredith Vasquez**
Yesterday at 1:03 PM



Employee Engagement Plan

Quick access



All



Recently opened



Shared



Favorites



Upload



International Marketing Strategies

Yesterday at 3:32 PM

You created a task for **Meredith**



Contoso Purchasing Data - Q1

Yesterday at 1:05 PM

You reassigned a task to **Meredith**



Employee Engagement Plan

Yesterday at 1:03 PM

You created a task for **Meredith**



Marketing strategies

Wed at 3:11 PM

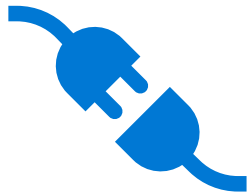
You edited this



Contoso Marketing Notebook

Wed at 2:14 PM

Graph Connector Anatomy



Create connection

- Define connection object
- Update config for experiences
- Provide additional optional connection configuration



Create and register schema

- Create a new schema object with properties and their attributes, labels, and aliases
- Register the schema before adding items to the connection



Index items with their ACLs

- Create/update/delete items
- Create/update/delete external groups and group members

1

Create Connection

POST <https://graph.microsoft.com/beta/external/connections>

Content-type: application/json

```
{
  "id": "FigmaConnector",
  "name": "Figma Projects and Files Connector",
  "description": "Connection to Figma application",
  "enabledContentExperiences": "search, contextualInsertion",
  "activitySettings":
  {
    "urlToItemResolvers": [
      {
        "@odata.type": "microsoft.graph.externalConnectors.itemIdResolver",
        "priority": 1,
        "urlMatchInfo": {
          "baseUrls": [
            https://figma.com, https://www.figma.com
          ],
          "urlPattern": "/file/(?<fileid>[a-zA-Z0-9]+)"
        },
        "itemId": "{fileid}"
      }
    ]
  }
}
```

2

Create Schema

POST <https://graph.microsoft.com/beta/external/connections/FigmaConnector/schema>
Content-type: application/json

```
{
  "baseType": "microsoft.graph.externalItem",
  "properties": [
    {
      "name": "figma_title",
      "type": "String",
      "isSearchable": "true",
      "isRetrievable": "true",
      "labels": ["Title"]
    },
    {
      "name": "figma_author",
      "type": "String",
      "isQueryable": "true",
      "isRetrievable": "true",
      "isRefinable": "true"
    },
    ...
  ]
}
```

Labels:

- Title
- LastModifiedBy
- LastModifiedDate
- URL
- FileName
- FileExtension

3

Create externalItem

PUT <https://graph.microsoft.com/beta/external/connections/contosotickets/items/TSP228082938>

Content-type: application/json

```
{
  "@odata.type": "microsoft.graph.externalItem",
  "acl": [
    {
      "type": "user",
      "value": "49103559-feac-4575-8b94-254814dfca72",
      "accessType": "deny",
      "identitySource": "Azure Active Directory"
    }
  ],
  "properties": {
    "title": "Branding Case Study",
    "author": "bobthebuilder@wearebuilders999.onmicrosoft.com"
  },
  "content": {
    "value": "<h1>Branding Case Study</h1><p>In CY22 H2 we...</p>",
    "type": "html"
  },
}
```

4

Add Activities

POST <https://graph.microsoft.com/beta/external/connections/contosotickets/items/TSP228082938/addActivities>

Content-type: application/json

```
{
  "activities": [
    {
      "@odata.type": "#microsoft.graph.externalConnectors.externalActivity",
      "type": "created",
      "startDateTime": "2022-04-11T16:25:34.3202005Z",
      "performedBy": {
        "id": "18948b93-d3ed-4307-9981-10fc36a08a52",
        "type": "user"
      }
    },
    {
      "@odata.type": "#microsoft.graph.externalConnectors.externalActivity",
      "type": "modified",
      "startDateTime": "2021-04-13T06:37:12.6402005Z",
      "performedBy": {
        "id": "b5f15ff8-29da-4301-b8ed-1c4585879c7c",
        "type": "user"
      }
    }
  ]
}
```

Resources

1

Admin documentation
aka.ms/graphconnectors

2

Developer documentation
aka.ms/graphconnectorsapi

3

Connectors Gallery
aka.ms/graphconnectorsgallery

Questions?

Thank you! 😊