



Microsoft Power Platform **CONFERENCE**

POWER BI

POWER AUTOMATE

POWER APPS

POWER VIRTUAL AGENTS

POWER PAGES

How to Bring Your Own Custom Knowledge Sources to Generative Answers



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Power Virtual Agents

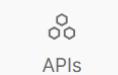
New Import



+



...



Azure Cognitive Search (SharePoint)

POST Create data source

PUT Create skillset

PUT Create index

PUT Create indexer

GET Get indexer status

> Dataverse

> PVA 1 (Test Chatbot)

> PVA 2 (Test Chatbot)



PUT Create index

+ ...

Azure Cognitive Search

HTTP Azure Cognitive Search (SharePoint) / Create index

Save



PUT

https://{{search-service-name}}.search.windows.net/indexes/{{index-name}}?api-version={{api-version}}

Send

Params • Authorization Headers (2) Body • Pre-request Script Tests Settings

Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON

Beautify

```
1 {  
2   "name": "{{index-name}}",  
3   "fields": [  
4     {  
5       "name": "id",  
6       "type": "Edm.String",  
7       "key": true,  
8       "searchable": false  
9     },  
10    {  
11      "name": "url",  
12      "type": "Edm.String",  
13      "key": false,  
14      "searchable": true  
15    },  
16    {  
17      "name": "metadata_spo_item_name",  
18      "type": "Edm.String",  
19      "key": false,  
20      "searchable": true,  
21      "filterable": false,  
22      "sortable": false,  
23      "facetable": false  
24    }  
]
```

Response



Power Virtual Agents

New Import



+



...

Azure Cognitive Search (SharePoint)

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> Dataverse

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PUT Create indexer

Azure Cognitive Search (SharePoint) / Create indexer

PUT https://{{search-service-name}}.search.windows.net/indexers/{{indexer-name}}?api-version={{api-version}}

Send

Params Authorization Headers (2) Body Tests Settings Cookies Beautify

Body Type: raw

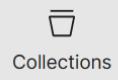
```
1 {  
2   "name": "{{indexer-name}}",  
3   "dataSourceName": "{{datasource-name}}",  
4   "skillsetName": "{{skillset-name}}",  
5   "targetIndexName": "{{index-name}}",  
6   "parameters": {  
7     "batchSize": null,  
8     "maxFailedItems": null,  
9     "maxFailedItemsPerBatch": null,  
10    "base64EncodeKeys": null,  
11    "configuration": {  
12      "dataToExtract": "contentAndMetadata"  
13    }  
14  },  
15  "schedule": {},  
16  // "outputFieldMappings": [  
17  //   {  
18  //     "sourceFieldName": "/document/content/myKeyPhrases",  
19  //     "targetFieldName": "keyPhrases"  
20  //   }  
21  // ],  
22  "fieldMappings": [  
23  //   {  
24  //     "sourceFieldName": "metadata_cno_csite_library_item_id"  
25  //   }  
26  ]  
27}  
28
```

Response



Power Virtual Agents

New Import



+



...



Azure Cognitive Search (SharePoint)

POST Create data source

PUT Create skillset

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GET Get indexer status



> Dataverse

> PVA 1 (Test Chatbot)

> PVA 2 (Test Chatbot)



GET Get indexer status



...

Azure Cognitive Search



HTTP Azure Cognitive Search (SharePoint) / Get indexer status

Save



Send

GET



https://{{search-service-name}}.search.windows.net/indexers/{{indexer-name}}/status?api-version={{api-vers...}}

Params

Authorization

Headers (2)

Body

Pre-request Script

Tests

Settings

Cookies

 none form-data x-www-form-urlencoded raw binary GraphQLJSON

Beautify

1

Response



Postbot

Runner

Desktop Agent

Cookies

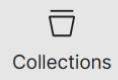
Trash





Power Virtual Agents

New Import



+



...



Azure Cognitive Search (SharePoint)

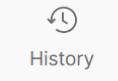
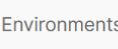
POST Create data source

PUT Create skillset

PUT Create index

PUT Create indexer

GET Get indexer status



> Dataverse

> PVA 1 (Test Chatbot)

> PVA 2 (Test Chatbot)



GET Get indexer status



...

Azure Cognitive Search



HTTP Azure Cognitive Search (SharePoint) / Get indexer status

Save



Send

GET



https://{{search-service-name}}.search.windows.net/indexers/{{indexer-name}}/status?api-version={{api-vers...}}

Params

Authorization

Headers (2)

Body

Pre-request Script

Tests

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Beautify

1

Response



Home > powercat-searchservice

powercat-searchservice | Indexes

Search service

[Add index](#) Refresh Delete

Name

Document Count

Storage Size

[powercat-aoaioyd](#)

36

323.35 KB

...

[sharepoint-index](#)

15

835.3 KB

...

Search management

Indexes

Indexers

Data sources

Aliases

Skillsets

Debug sessions

Settings

Semantic search (Preview)

Knowledge Center

Keys

Scale

Search traffic analytics

After these calls, the index is created in Azure Cognitive Search and documents are indexed.

sharepoint-index ...

[Save](#) [Discard](#) [Refresh](#) [Create Demo App](#) [Edit JSON](#) [Delete](#)Documents  Storage 15 **835.3 KB**Search explorer [Fields](#) [CORS](#) [Scoring profiles](#) [Semantic configurations](#)[+ Add field](#) [+ Add subfield](#) [Delete](#) [Autocomplete settings](#) Search field names

Field name	Type	Retrievable	Filterable	Sortable	Facetable	Searchable	Analyzer	Dimensions
 id	String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
url	String	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
metadata_spo_item_name	String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
metadata_spo_item_path	String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
metadata_spo_item_content_type	String	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
metadata_spo_item_last_modified	DateTimeOffset	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
metadata_spo_item_size	Int64	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
metadata_spo_item_weburi	String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Standa... ▾

The metadata offered by SharePoint and configured during the creation are available as fields, such as URL to the source document, file name, etc.

Chat playground

[Deploy to](#)[Import setup](#) [Export setup](#) [Show panels](#)

Assistant setup

[System message](#) [Add your data \(preview\)](#)

Ask questions about your own data. Your data is stored securely in your Azure subscription. [Learn more about how your data is protected.](#)

[+ Add a data source](#)

Chat session

[Clear chat](#) [View code](#) [Show raw JSON](#)[Start chatting](#)

Test your assistant by sending queries below. Then adjust your assistant setup to improve the assistant's responses.

Type user query here. (Shift + Enter)

In the Azure OpenAI Studio, you can configure the 'on your data' integration.

Configuration

[Deployment](#) [Parameters](#)

Deployment *

PowerCATGPT35Turbo

Session settings

Past messages include 10

Current token count 0

Input tokens progress indicator

Chat playground

Assistant setup

System message

Ask questions about your
in your Azure subscription
[protected.](#)

+ Add a data source

Add data

Data source

Data field
mapping

Data
management

Review and
finish

Select or add data source

Your data source is used to help ground the model with specific data. Select an existing Azure Cognitive Search index, Azure Storage container, or upload local files as the source we will build the grounding data from. Your data is stored securely in your Azure subscription.

Select data source *

Azure Cognitive Search

Subscription *

Visual Studio Enterprise Subscription (hejammes)

Azure Cognitive Search service ⓘ *

powercat-searchservice

Azure Cognitive Search Index ⓘ *

sharepoint-index

Add vector search to this search resource.

Configuration

Deployment Parameters

Deployment *

PowerCATGPT35Turbo

Session settings

Past messages include 10

Current token count ⓘ

Input tokens progress indicator

The 'on your data' integration is essentially
about connecting to the Azure Cognitive Search
index we created.

I acknowledge that connecting to an Azure Cog

Next

Cancel

Chat playground

Assistant setup

System message

Ask questions about your
in your Azure subscription
[protected.](#)

+ Add a data source

Add data

 Data source Data field mapping Data management Review and finish

Index data field mapping

For the best results, tell us more about the fields in your index. Your content data field(s) will be used to ground the model on your data. File name, title, and URL are used to display more information when a document is referenced in the chat.

Content data (i)

content

File name (i)

metadata_spo_item_name

Title (i)

metadata_spo_item_name

URL (i)

url

Configuration

Deployment Parameters

Deployment *

PowerCATGPT35Turbo

Session settings

Past messages include 10

Current token count

Input tokens progress indicator

You can map fields between what Azure OpenAI expects and the available fields in your index.

Back

Next

Cancel

Chat playground

Assistant setup

System message 

Ask questions about your
in your Azure subscription
[protected.](#)

+ Add a data source

Add data

Data source

Data field mapping

Data management

Review and finish

Data management

Set up specific configurations for your data and how the model will respond to requests.

Search type  *

Keyword

 Export setup  Show panels 

Configuration

Deployment 

Deployment *

PowerCATGPT35Turbo 

Session settings

Past messages include 10 

Current token count 

Input tokens progress indicator

The search type is either Keyword or Semantic
(requires additional configurations but can
provide even more powerful and relevant
results).

Back

Next

Cancel

Chat playground



Add data

Data source

Data field mapping

Data management

Review and finish

Review and finish

Review the configurations you set for your data

Data source

Azure Cognitive Search

Azure Cognitive Search resource

powercat-searchservice

Index

sharepoint-index

Mapping for content data

content

Mapping for file name

metadata_spo_item_name

Mapping for title

metadata_spo_item_name

Mapping for URL

url

Search type

Keyword

 Export setup  Show panels

Configuration

Deployment Parameters

Deployment *

PowerCATGPT35Turbo

Session settings

Past messages include 10

Current token count 0

Input tokens progress indicator

0/4000

Back

Save and close

Cancel

Chat playground

[Deploy to](#)[Import setup](#) [Export setup](#) [Show panels](#)

Assistant setup

[System message](#) [Add your data \(preview\)](#)

Gain insights into your own data source. Your data is stored securely in your Azure subscription. [Learn more about how your data is protected.](#)

Data source: Azure Cognitive Search
Search Resource: powercat-searchservice
Index: sharepoint-index

[Remove data source](#)

Once configured, you can start chatting with the model that is grounded in the data in the Azure Cognitive Search index.

Chat session

[Clear chat](#) [View code](#) [Show raw JSON](#)

What are the differences between the Standard and the Plus health benefit plans?



Contoso Electronics offers two health insurance plans through Northwind Health: Northwind Health Plus and Northwind Standard¹. Northwind Health Plus is a comprehensive plan that provides comprehensive coverage for medical, vision, and dental services. This plan also offers prescription drug coverage, mental health and substance abuse coverage, and coverage for preventive care services. With Northwind Health Plus, you can choose from a variety of in-network providers, including primary care physicians, specialists, hospitals, and pharmacies. This plan also offers coverage for emergency services, both in-network and out-of-network. On the other hand, Northwind Standard is a basic plan that provides coverage for medical, vision, and dental services. This plan also offers coverage for preventive care services, as well as prescription drug coverage. With Northwind Standard, you can choose from a variety of in-

Type user query here. (Shift + Enter for new line)



Configuration

[Deployment](#) [Parameters](#)

Deployment *

PowerCATGPT35Turbo

Session settings

Past messages include 10

Current token count 0

Input tokens progress indicator

236/4000

Chat playground

[Deploy to](#)[Import setup](#) [Export setup](#) [Show panels](#)

Assistant setup

[System message](#) [Add your data \(preview\)](#)

Gain insights into your own data source. Your data is stored securely in your Azure subscription. [Learn more about how data is protected.](#)

Data source: Azure Cognitive Search Search Resource: powercat-searchservice
Index: sharepoint-index

[Remove data source](#)

Chat session

Deploy to a Power Virtual Agents bot

Create a bot to connect the model to Power Virtual Agents. [Learn more about Power Virtual Agents](#)

By clicking **Continue in Power Virtual Agents**, you agree to connect your Azure OpenAI subscription with your Power Virtual Agents tenant. You acknowledge that your data will be shared between these two online services and your data may be stored and processed outside of your PVA tenant's geographic region or compliance boundary. Review [preview terms](#) and documentation to learn more about features in preview.

[Learn more about your data in other regions](#)[Continue in Power Virtual Agents](#)[Cancel](#)

Configuration

[Deployment](#) [Parameters](#)

Deployment *

PowerCATGPT35Turbo

Session settings

Past messages include 10

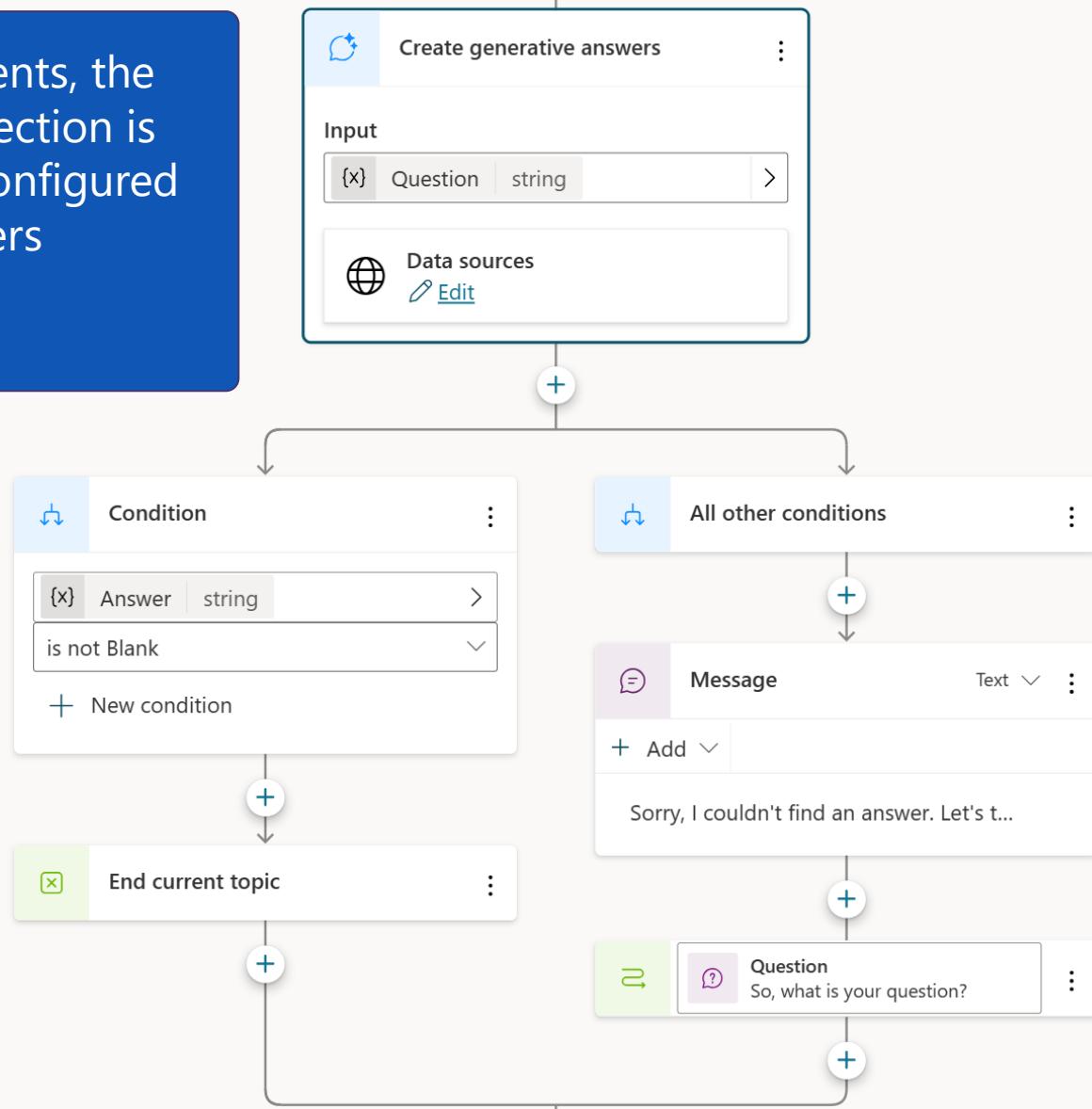
Current token count 0

Input tokens progress indicator

You can deploy the Azure OpenAI 'on your data' configuration in one click to Power Virtual Agents.



In Power Virtual Agents, the Azure OpenAI connection is automatically pre-configured in Generative Answers



Data sources

Choose up to 4 public websites and 4 Microsoft internal sites for your bot to use to create dynamic, generative answers.

Search public data

Search public websites

Public websites

Manual input

Enter text

To add items in bulk, paste in line-separated items or use Shift+Enter to create line separation

SharePoint

Manual input

Enter text

To add items in bulk, paste in line-separated items or use Shift+Enter to create line separation

Azure OpenAI Services on your data

Add a connection from Azure OpenAI as a data source.

Azure OpenAI
CharlieG@PPlatform.onmicrosoft...

Connection properties

Custom data

Enter or select a value

Test bot

 Track between topics ⓘ

Chat

What are the differences between the Standard and the Plus health benefit plans?



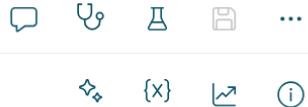
Just now

The Northwind Health Plus plan is a comprehensive plan that provides coverage for medical, vision, and dental services. It also includes prescription drug coverage, mental health and substance abuse coverage, and coverage for preventive care services [1 ⓘ]. With Northwind Health Plus, you have the option to choose from a variety of in-network providers, including primary care physicians, specialists, hospitals, and pharmacies. This plan also offers coverage for emergency services, both in-network and out-of-network [1 ⓘ].

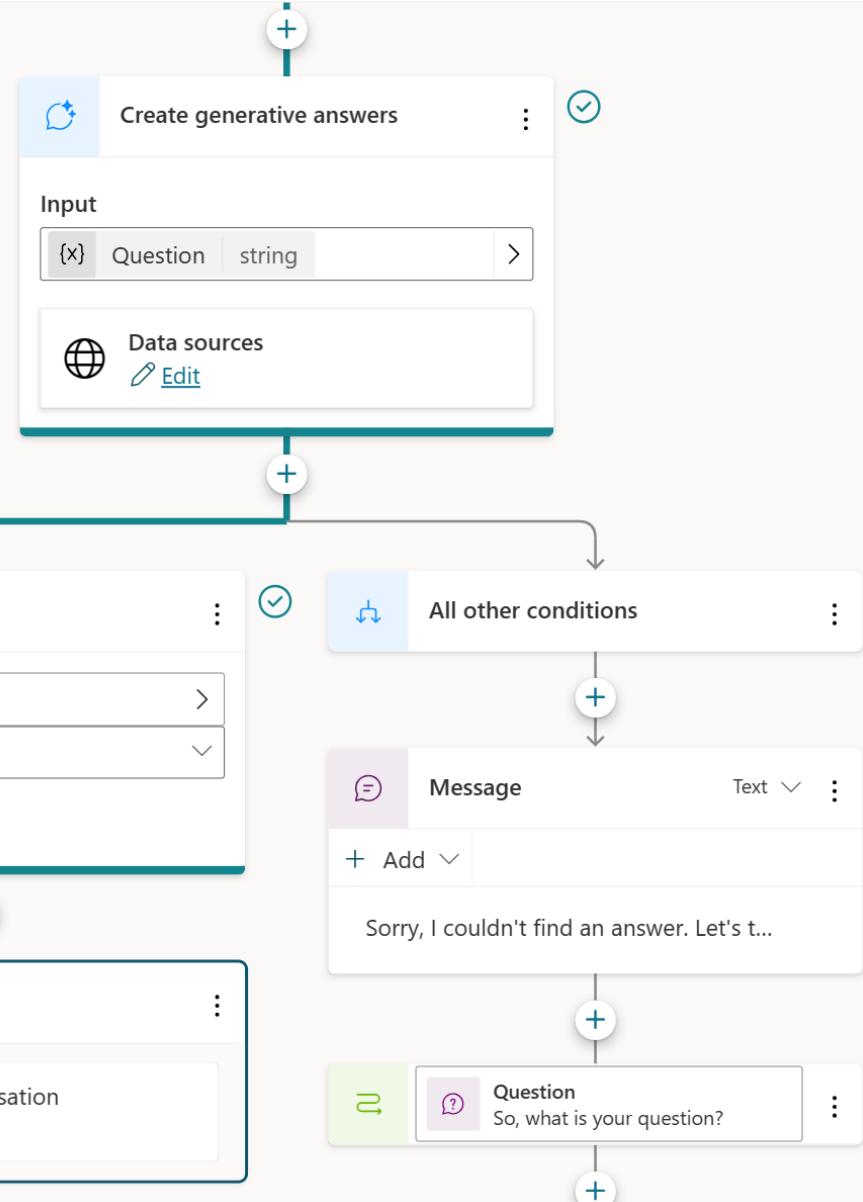
On the other hand, the Northwind Standard plan is a basic plan that provides coverage for medical, vision, and dental services. It also includes coverage for preventive care services and prescription drugs [1 ⓘ]. With Northwind Standard, you can choose from a variety of in-network providers, including primary care physicians, specialists, hospitals, and pharmacies. However, this plan does not

Type your message

Topics > 🌟 Trick: Generative Answers (Azure OpenAI On Your ...)



The answer is generated by the Azure OpenAI model that uses the content returned by the Azure Cognitive Search index.



Test bot

 Track between topics ⓘ

Chat

preventive care services and prescription drugs [1 ↴]. With Northwind Standard, you can choose from a variety of in-network providers, including primary care physicians, specialists, hospitals, and pharmacies. However, this plan does not offer coverage for emergency services, mental health and substance abuse coverage, or out-of-network services [1 ↴].

In summary, the main differences between the Standard and Plus health benefit plans are the level of coverage and the inclusion of additional services such as mental health and substance abuse coverage, as well as coverage for emergency services and out-of-network services, which are only available in the Northwind Health Plus plan [1 ↴].

1 reference ⓘ

[pplatform.sharepoint.com ↴](#)

Surfaced with Azure OpenAI |

Was this helpful?

Just now

 Yes No

Type your message



Topics > 🌟 Trick: Generative Answers (Azure OpenAI On Your ... ⓘ



Citations allow to get to the source document.



{x} Question string

Data sources



Condition

{x} Answer string

is not Blank

+ New condition

All other



Redirect

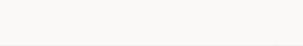
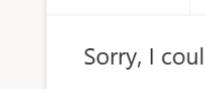


End of Conversation

[View topic](#)

Message

Sorry, I could



← Azure OpenAI on your data

Connection properties

General Model data

Configuration

Deployment ⓘ

PowerCATGPT35Turbo



Api version ⓘ

2023-06-01-preview



Maximum tokens in response ⓘ

fx 1200



Temperature ⓘ

fx 0



Top P ⓘ

fx 1



Stop sequence ⓘ

Manual input

Enter text



To add items in bulk, paste in line-separated items or use Shift+Enter to create line separation

Get started today



aka.ms/TryPVA



Learn

Learning resources

aka.ms/LearnPVA

Product documentation

aka.ms/Documentation/PowerVirtualAgents

Licensing

aka.ms/Licensing/PowerVirtualAgents



Explore

ROI study

aka.ms/ROI/PowerVirtualAgents

Customer stories

aka.ms/Stories/PowerVirtualAgents

Analyst

aka.ms/IDCConvAIPVABlog

Future of bot building

aka.ms/FutureOfBotsBlog

Product updates

aka.ms/Updates/PowerVirtualAgents



Get involved

Events

aka.ms/Events/PowerVirtualAgents

Community

aka.ms/Community/PowerVirtualAgents

Feature request

aka.ms/PVAFeatureRequest

SCAN ME

Vision of the Future of Bots and Bot Building, by Omar Aftab

 Tue Oct 3, 2023  3:05 PM - 3:30 PM  Grand Ballroom 115

Unlocking the Power of Chatbots: An Introduction to Power Virtual Agents!, by Dian Taylor

 Tue Oct 3, 2023  3:05 PM - 3:30 PM  Premier Ballroom 310

What's New and Coming for Power Virtual Agents, by Dewain Robinson

 Tue Oct 3, 2023  4:15 PM - 4:40 PM  Premier Ballroom 316

Bot Authoring Deep Dive - Advanced Bot Building Concepts, by Gary Pretty, Dewain Robinson & Bas Brekelmans

 Wed Oct 4, 2023  8:00 AM - 9:00 AM  Chairmans Ballroom 370

Unleash the Power of Virtual Agents!, by Dian Taylor

 Wed Oct 4, 2023  8:00 AM - 9:00 AM  Premier Ballroom 317

Bot Meets Knowledge Base - Secure and Intelligent Chat Bot with GPT in Power Virtual Agents, by Uday Adhikari

 Thu Oct 5, 2023  1:00 PM - 2:00 PM  BLVD Ballroom 163

Transforming Bot Building Using Generative Actions, by Gary Pretty, Salem Bacha & Kendra Springer

 Thu Oct 5, 2023  2:15 PM - 3:15 PM  Chairmans Ballroom 355

Unlock the Power of Power Virtual Agents with Power Automate, by Laura Rogers,

 Thu Oct 5, 2023  3:30 PM - 4:30 PM  BLVD Ballroom 163

Best Practices Around Conversational AI Design Principles (How to Build Engaging Bots), by Kendra Springer & Dewain Robinson

 Thu Oct 5, 2023  3:30 PM - 4:30 PM  Chairmans Ballroom 355

