



# ArcGIS Pro AI Assistant (Beta)



# Table of Contents

ArcGIS Pro AI Assistant (Beta)	3
Create a graph query with the AI Assistant (Beta)	5
Create a query layer with the AI Assistant (Beta)	6
The AI Documentation Assistant (Beta)	7

# ArcGIS Pro AI Assistant (Beta)

The ArcGIS Pro AI Assistant can enhance productivity by helping you complete GIS tasks efficiently. It is embedded in ArcGIS Pro and uses artificial intelligence to answer your questions.

The ArcGIS Pro AI Assistant (Beta) includes the following options:

- **Help**—The assistant answers ArcGIS Pro [help documentation](#) questions in a conversational manner.
- **Graph Query**—The assistant generates openCypher queries for a given knowledge graph schema. These queries can then be used in [knowledge graph workflows](#).
- **Query Layer**—The assistant creates [query layers](#) by generating SQL queries for a specified database connection and table schemas.

## Use the ArcGIS Pro AI Assistant

To access and use the assistant, complete the following steps:

1. Ensure that you have ArcGIS Pro 3.4 installed.
2. Install the ArcGIS Pro AI Assistant 3.4 (Beta) by downloading and running the setup provided on the [ArcGIS Pro AI Assistants](#) Early Adopter site.
3. Once installation is complete, start ArcGIS Pro and sign in to an ArcGIS organization that [allows the use of beta features](#) and [allows the use of the AI Assistant](#).
4. In ArcGIS Pro, on the **Help** tab in the **Assistant** group, click **AI Assistant (Beta)** to open the **AI Assistant (Beta)** pane.
5. Choose from the following options to work with the assistant:

<b>Help</b>	Type a question in the window to begin a help conversation. <a href="#">Learn how to explore the documentation with the assistant</a>
<b>Graph Query</b>	Click the <b>Graph Query</b> card to select a knowledge graph and ask natural languages questions about it. <a href="#">Learn how to create graph queries with the assistant</a>
<b>Query Layer</b>	Click the <b>Query Layer</b> card to select database tables and ask natural language questions about them. <a href="#">Learn how to create a query layer with the assistant</a>

6. Continue your conversation by typing follow-up questions to the responses you receive.

## Conversation history

Each time you start a new conversation by asking a question, a new conversation thread is created. All conversation threads are persisted locally on your computer and are accessible only to you. Conversation threads are available across all your sessions and projects.

You can access all your conversation threads from the drop-down menu at the top of the **AI Assistant** pane. From this drop-down menu, you can change the title of your conversations and delete any conversations you no longer need.

## Feedback

You can provide feedback for the responses you receive from the assistant. To do this, hover over a response, click the **Good** or **Poor** feedback buttons, and add your comments.

Your feedback improves the quality of responses and the overall experience of using the AI Assistant.

## Related topics

[Create a graph query with the AI Assistant \(Beta\)](#)

[Create a query layer with the AI Assistant \(Beta\)](#)

[The AI Documentation Assistant \(Beta\)](#)

# Create a graph query with the AI Assistant (Beta)

Use the AI Assistant to generate openCypher queries for a specified knowledge graph schema by asking questions in natural, conversational language. Resulting queries can be used in [knowledge graph workflows](#).

To query a knowledge graph using the assistant, complete the following steps:

1. Click **New Conversation** to begin a new conversation.  
Alternatively, type the slash ( / ) character in the window to start a new conversation.
2. Click the **Graph Query** card in the **AI Assistant (Beta)** pane.
3. From the **Data Connection** drop-down menu, select the knowledge graph to query.
4. Type a question in the window in natural language to get information about the knowledge graph in the form of a graph query.
5. Once a query is generated, expand the **Explanation** heading to see the reasoning used to generate the graph query.
6. Click the **Add to current investigation** button to add the query to the currently active investigation, where you can also run the query.
7. Continue your conversation by typing follow-up questions.

## Related topics

[Create a query layer with the AI Assistant \(Beta\)](#)

[The AI Documentation Assistant \(Beta\)](#)

# Create a query layer with the AI Assistant (Beta)

You can create [query layers](#) by connecting to a database and using the AI Assistant to ask natural language questions about it. The assistant generates SQL queries for a specified database connection and table schemas that can be added to a map as a query layer.

To create query layers using the assistant, complete the following steps:

1. Click **New Conversation** to begin a new conversation.  
Alternatively, type the slash ( / ) character in the window to start a new conversation.
2. Click the **Query Layer** card in the **AI Assistant (Beta)** pane.
3. Select a database and tables from the combo box to set the data context for your conversation.
4. Type a question in the window in natural conversational language to get information about the selected tables.  
If the generated query is valid, the **Add to Current Map** button appears.
5. With a valid query, click **Add to Current Map** to add the query as a query layer in the current map.
6. Optionally, expand the **Explanation** section to understand how the SQL query was generated.

## Related topics

[Create a graph query with the AI Assistant \(Beta\)](#)

[The AI Documentation Assistant \(Beta\)](#)

# The AI Documentation Assistant (Beta)

You can ask the AI Assistant questions about the features and capabilities of ArcGIS Pro 3.4. The assistant is trained only on the documentation for this software version, not on other resources such as ArcGIS blog articles, Esri Community posts, or Esri Technical Support content. The assistant usually cannot answer questions on subjects such as earlier versions of ArcGIS Pro, other Esri software products, Esri as a company, general geography, and so on.

You can seek information about terms or concepts, workflow guidance, or explanations of problems. Your questions do not always need to be formed as such. You may prefer to think of them as prompts. A few examples follow:

- What is a pour point?
- Spatial interpolation
- How do I change the feature selection color?
- How can I make ArcGIS Pro run faster?
- I don't see a pop-up when I click on a feature.

Questions can be phrased in natural English. Spelling and grammar do not need to be perfect. Short questions are more effective than long ones, both in terms of response time and answer quality. For example, Create a heat map is a better question than I want to create a heat map, but I can't figure out how to do it. I'm frustrated. Can you help me?

If the assistant can't answer a question, it gives a standard rejection message. For example, if you ask, What is the capital of Paraguay? it replies, I can't assist with that. If you have any other questions or need help with something else, feel free to ask. The assistant can't answer questions that are outside the scope of its knowledge, questions that are not meaningful, or questions that cross its ethical guidelines. If the assistant does not answer a question that you think it should answer, try rephrasing the question. If that doesn't work, please [provide feedback](#).

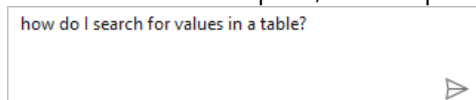
## Note:

This topic describes working with the AI Assistant in ArcGIS Pro and assumes you have [installed and configured the necessary components](#). To work with the assistant in a web browser, see the section Getting Started: ArcGIS Pro Documentation Assistant (web help) on the welcome page of the [ArcGIS Pro AI Assistants](#) Early Adopter site.

## Start a conversation

When the **AI Assistant (Beta)** pane is open in ArcGIS Pro, you can ask the assistant a question.

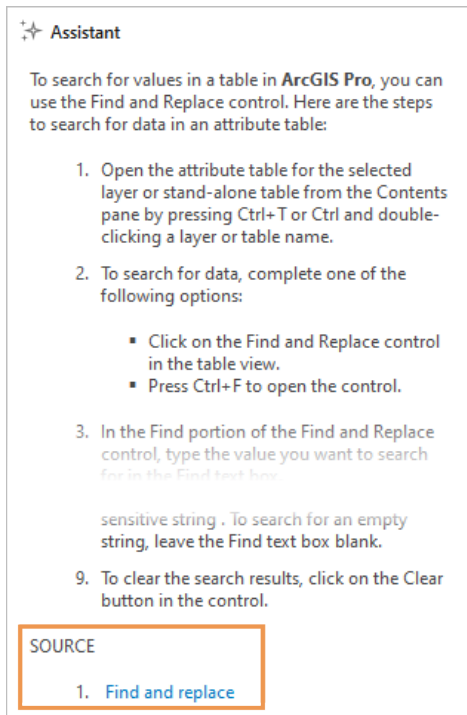
1. At the top of the **AI Assistant (Beta)** pane, confirm that the conversation history drop-down list is set to **New conversation**
2. At the bottom of the pane, in the input box, type a question.



how do I search for values in a table?

3. Click **Ask the question** .

The question is cleared from the input box and appears at the top of the pane in a gray box. The assistant takes a little time to process the question, then displays the answer in the pane.





At the end of the answer, links to one or more help topics appear. Use these links to get more information.

To ask another question, you can either start a new conversation or type immediately in the input box.

## Start a new conversation

Start a new conversation if your next question changes the subject. Changing the subject within a conversation may confuse the assistant. It also makes it harder for you to keep track of your conversation history. For example, if you embed a question about creating a DEM from lidar data in a conversation about editing metadata, you may never find it again.

Follow these steps to start a new conversation:

1. At the top of the pane, click **New conversation** .
2. At the bottom of the pane, in the input box, type a question and click **Ask the question** .

## Continue a conversation

Your first question in an ArcGIS Pro session starts a conversation. Subsequent questions are part of the same conversation until you start a new conversation. During a conversation, the assistant uses the context created by earlier questions to help develop answers to later questions. For this reason, questions in a conversation should be thematically related.


For example, a conversation might include the following series of questions:

- What is a feature dataset?
- What are the benefits of feature datasets?
- How do I create a feature dataset?
- Are there other ways to create a feature dataset?



- How do I add a feature class to a feature dataset?

 **Note:**

You can cancel a question that is being processed by clicking **Cancel**  in the input box. The message **The operation was canceled** appears in the pane. The question and the cancellation message remain in the conversation history.

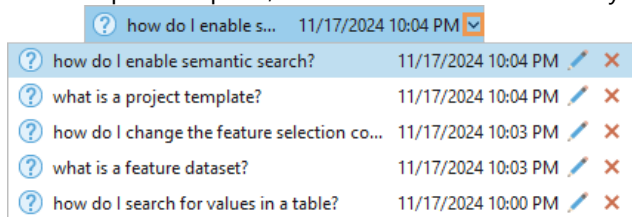
## Access conversations

Each conversation with the AI Assistant is automatically saved and stored in your conversation history. Conversations are saved whether or not you save your open project, and persist across ArcGIS Pro sessions. The title of the conversation is the text of the first question in the conversation.

Conversations can be reopened in any project from the conversation history drop-down list in the **AI Assistant (Beta)** pane. There is no limit to the number of conversations that is stored. Conversations are stored on disk as .json files in your user profile at `\AppData\Local\ESRI\ArcGISPro\Assistant\Sessions`.

Follow these steps to access a saved conversation:


1. At the top of the pane, click the conversation history drop-down arrow.




*Conversations are listed in order from newest to oldest.*

2. In the drop-down list, click the conversation you want to access.  
The conversation displays in the pane. You can review it or continue it by asking another question.


 **Tip:**

You can view and save a conversation in another format. To do so, hover over the conversation in the pane, and click **Copy Response**  at the bottom of the conversation. The conversation is copied to the clipboard and you can paste it in the text editor of your choice.

## Edit the title of a conversation

In the conversation history list, you can edit the title of a conversation to make it easier to remember. To do so, click **Edit Title**  next to the conversation. Type a new title in the input box that appears and press the **Enter** key.

## Delete a conversation

In the conversation history list, you can delete a conversation that you don't want to keep. To do so, click **Delete Current Conversation**  next to the conversation. A deleted conversation cannot be recovered.

Conversations must be deleted one at a time from the **AI Assistant (Beta)** pane.

## Provide feedback

You can help improve the AI Assistant by providing positive or negative feedback on your conversations, especially those that stand out as particularly good or bad.

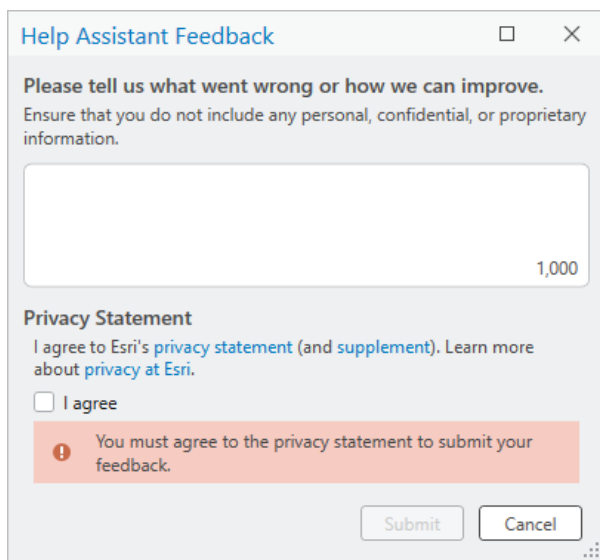
When you provide feedback, the conversation is captured automatically. You can add your comments directly without quoting or summarizing the question and answer.

You can also provide feedback on the [ArcGIS Pro AI Assistants](#) Early Adopter site by clicking the **Feedback** link at the top of the page.

To provide feedback, follow these steps:

1. Hover over the **AI Assistant (Beta)** pane at the bottom of a conversation.
2. Click **Poor Response** 😞 to offer criticism or click **Good Response** 😊 to offer praise.

The **Help Assistant Feedback** dialog box opens.



3. Type your comments in the input box. Don't include personal, confidential, or proprietary information.
4. Check the **I agree** check box to agree to the privacy statement.  
You can only submit feedback if you agree to the statement. If you don't agree, click **Cancel**.
5. Click **Submit**.

### **Note:**

You cannot bypass the **Help Assistant Feedback** dialog box when you give a **Poor Response** or **Good Response** reaction. It is possible to submit feedback without actually entering a comment; however, your comments are the most important part of the feedback.

## Related topics

[Create a graph query with the AI Assistant \(Beta\)](#)

[Create a query layer with the AI Assistant \(Beta\)](#)