About This Document

This manual (help system) describes how to use this manual and the limitations related to the descriptions in this manual. Please be sure to read it carefully.

- Document usage
- Note on the contents
- Docs Agent

Document usage

This section describes how to use this document (CGI Studio Documentation).

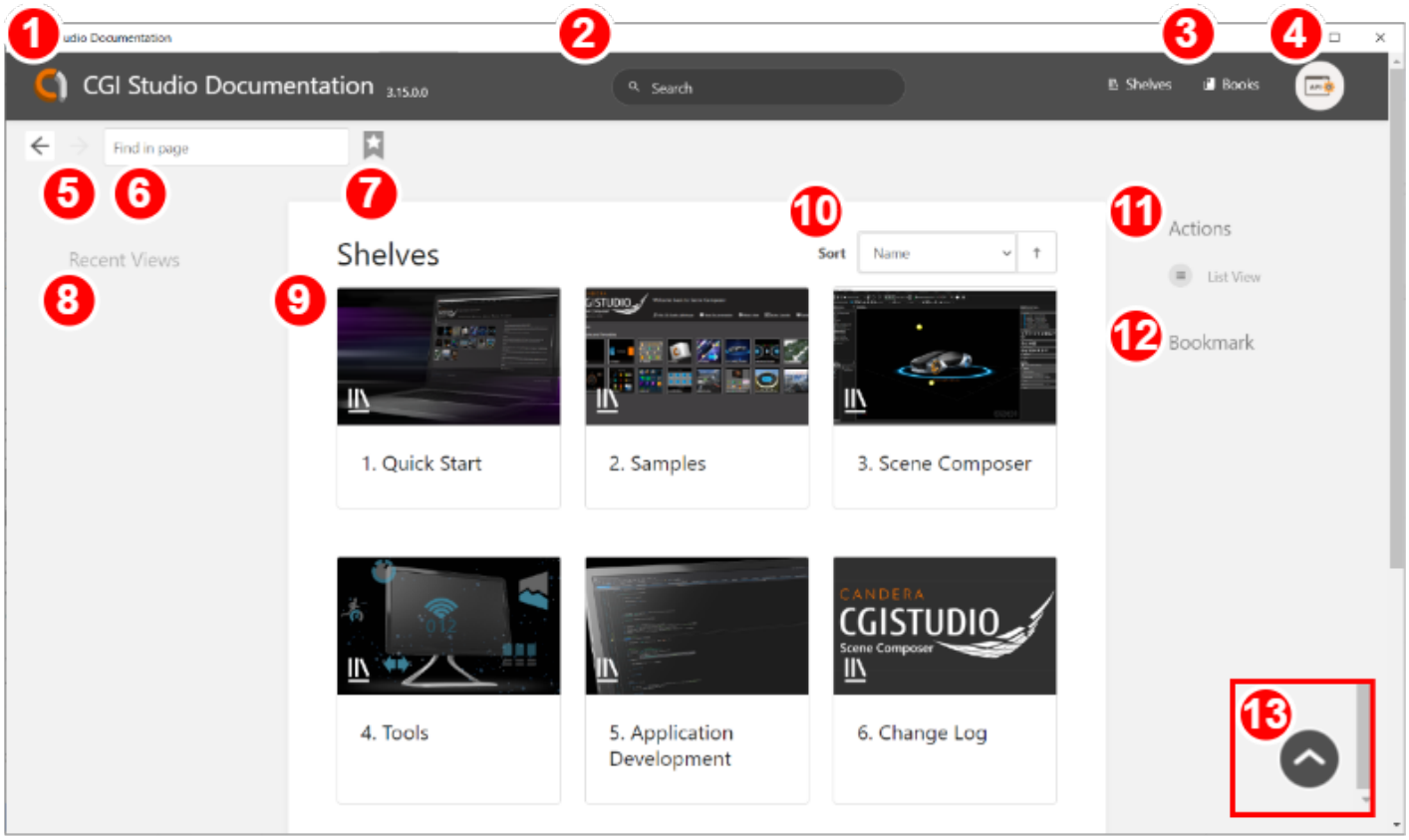
Structure of this document

This document consists of the following four levels.

Shelves	This is a large classification. It corresponds to the role of bookshelves in a library.
Books	This is a middle classification within the large category. It corresponds to the role of books arranged in the bookshelf, which is a large classification.
Chapters	This is a small classification that bundles the Pages placed in the Books, a middle classification.
Pages	This is an actual document is described. Pages are classfied according to its usage by Chapters/Books/Shelves.

When this manual is launched, a list of Shelves is displayed, and from Shelves, you can navigate to Books and Chapters/Pages as child hierarchies to browse the desired document.

User Interface



1	CGI Studio Documentation	CGI Studio Documentation button. Clicking this button will take you to the Shelves screen. At the right of this logo, the version of CGI Studio currently in use is displayed.
2	Search field	You can search the entire document for keywords. See Keyword Search for more information.
3	Select button	You can select the content view style from Shelves or Books.
4	API document button	By clicking this button, a new window will open to display API documents. Note that this button will not be displayed if the API documentation is not available (a blank page will be displayed when you click the link to the API documentation item in the documentation).
5	Back/Forward	Click this button to go backward or forward in the displayed content. When not in use (when no page movement has occurred), this button is greyed out.) See Document navigation for more information.

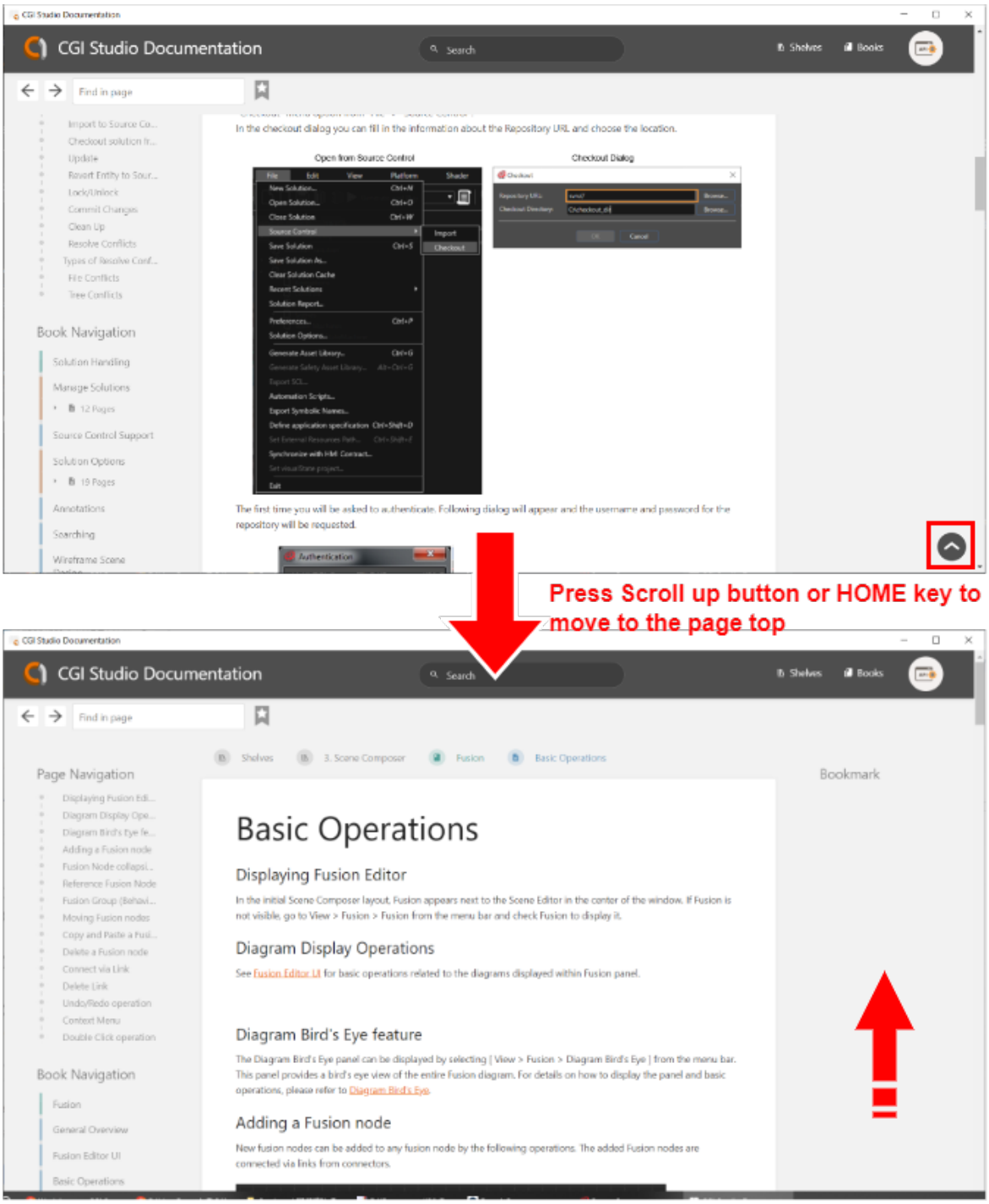
6	Contents search	Performs a keyword search on the text currently displayed on the offline document screen. Search results are highlighted in yellow. See Contents search for more information.
7	Bookmark registration button	When any content (Shelves/Books/Chapters/Pages) is displayed, click this button to add a displayed content to the Bookmark. When Bookmark is registered, the button turns blue.
8	Recent Views	Shelves, Books, and Chapters/Pages that you have viewed in the past will be listed. See Recent Views for details.
9	Content display area	Contents are displayed. When you navigate to a page, you will see the document.
10	Sort	Items displayed in the contents display area can be sorted by any criteria. The sorting conditions can be selected from "Name", "Created Date", and "Updated Date". You can also switch the sort order from descending to ascending by clicking the up/down arrows on the right side of the pull-down menu.
11	Actions	Switches the display style in the contents display area to List or Grid view. This section is displayed only when display Shelves or Books.
12	Bookmark	Items registered using the Bookmark registration button will be displayed.
13	Scroll up button	It will appear automatically when you scroll down the displayed content. Scroll up to the top of the page by clicking this button.

Document navigation

Except in particular cases, Sleves is usually displayed. Navigate by clicking on the title of Books and Chapters/Pages to be viewed, in that order.

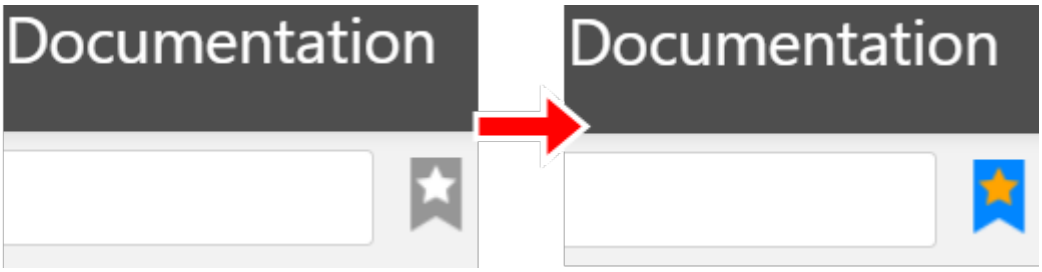
Scroll up button/Home Key operation

When viewing a document, press Scroll up button displayed in the lower right corner of the screen, or the Home key to go to the beginning of the currently displayed page. This will make it easier to access Breadcrumb, Back/Forward buttons and the Search field.



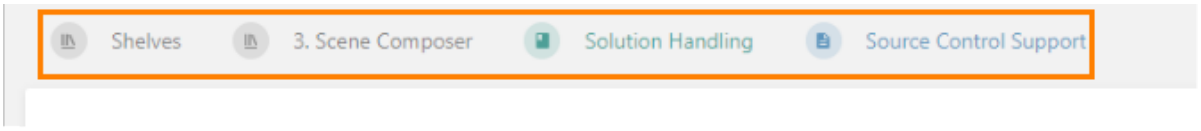
Bookmark

By clicking on the Bookmark registration button, you can register the currently displayed content in the Bookmark field. If the currently displayed content is not yet registered as a bookmark, its color is gray. When the content is registered (by clicking on the Bookmark registration button), the color changes to blue.



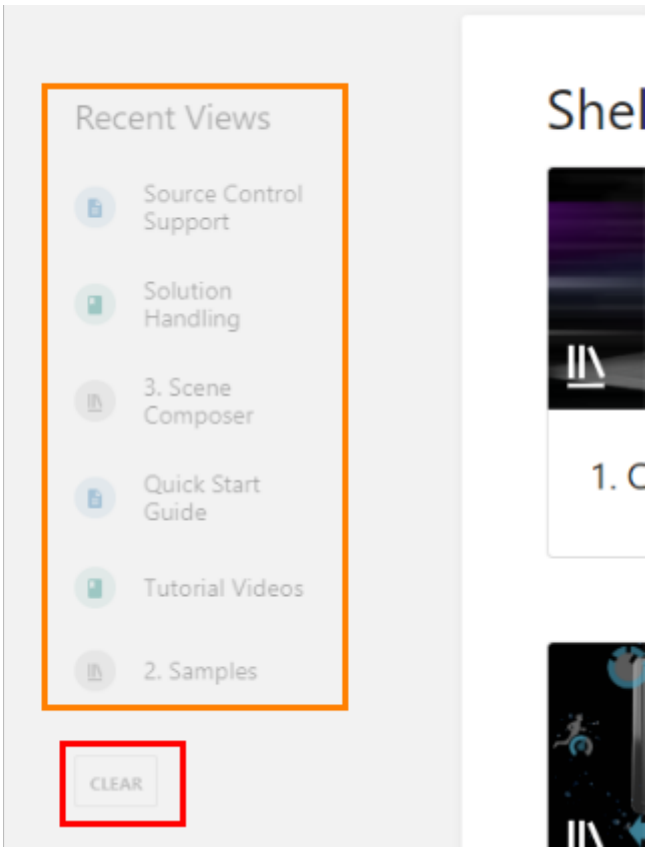
Breadcrumb

When you move through the hierarchy, the path to the current display location is shown at the top of the content display area. To go back in the hierarchy, click on this path.



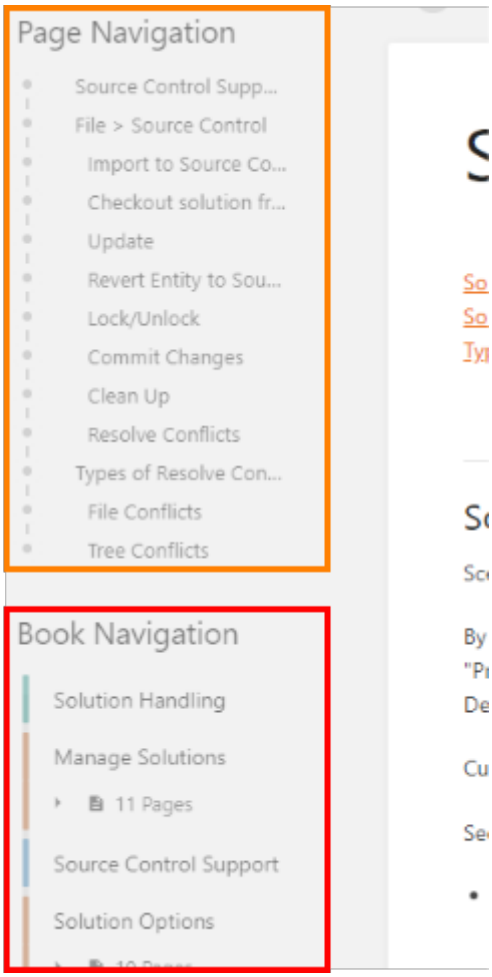
Recent Views

When you return to Shelves, your browsing history will be displayed on the left side of the screen, showing the books/chapters/pages you have moved to. By clicking anywhere in there, you can move to the target location. You can delete the entire browsing history by clicking the [CLEAR] button at the bottom of Recent Views.



Page Navigation/Book Navigation

On Pages view, Page Navigation/Book Navigation is displayed on the left side of the screen.

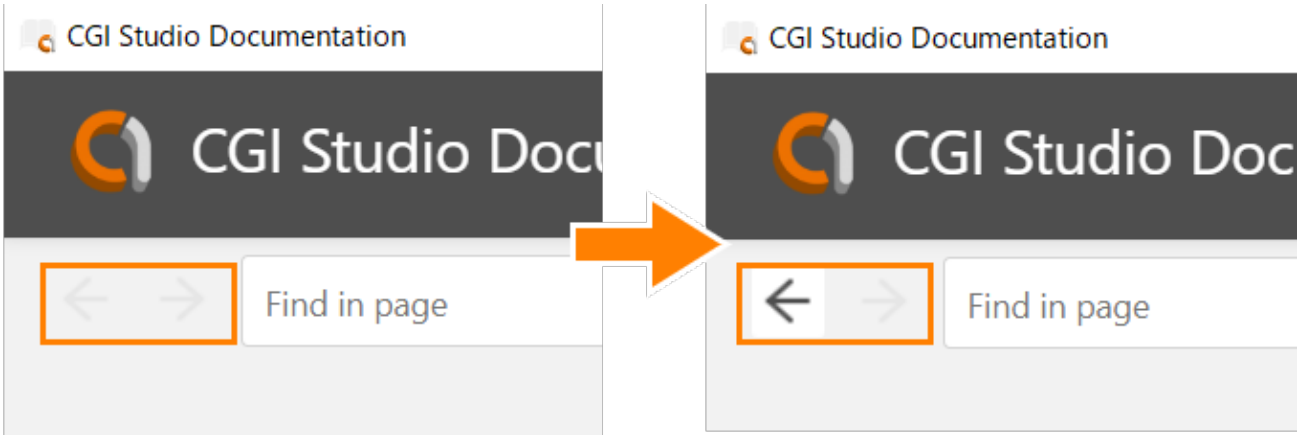


- Page Navigation displays a list of headings on the currently displayed page. By clicking on any heading, the article will move to the corresponding location.
- Book Navigation displays a list of other Chapters/Pages in the book that contains the currently displayed page. Clicking on any Chapters/Pages title also switches the display to the corresponding location.

By moving the mouse cursor over the page body or Page Navigation/Book Navigation, the display can be scrolled up and down respectively.

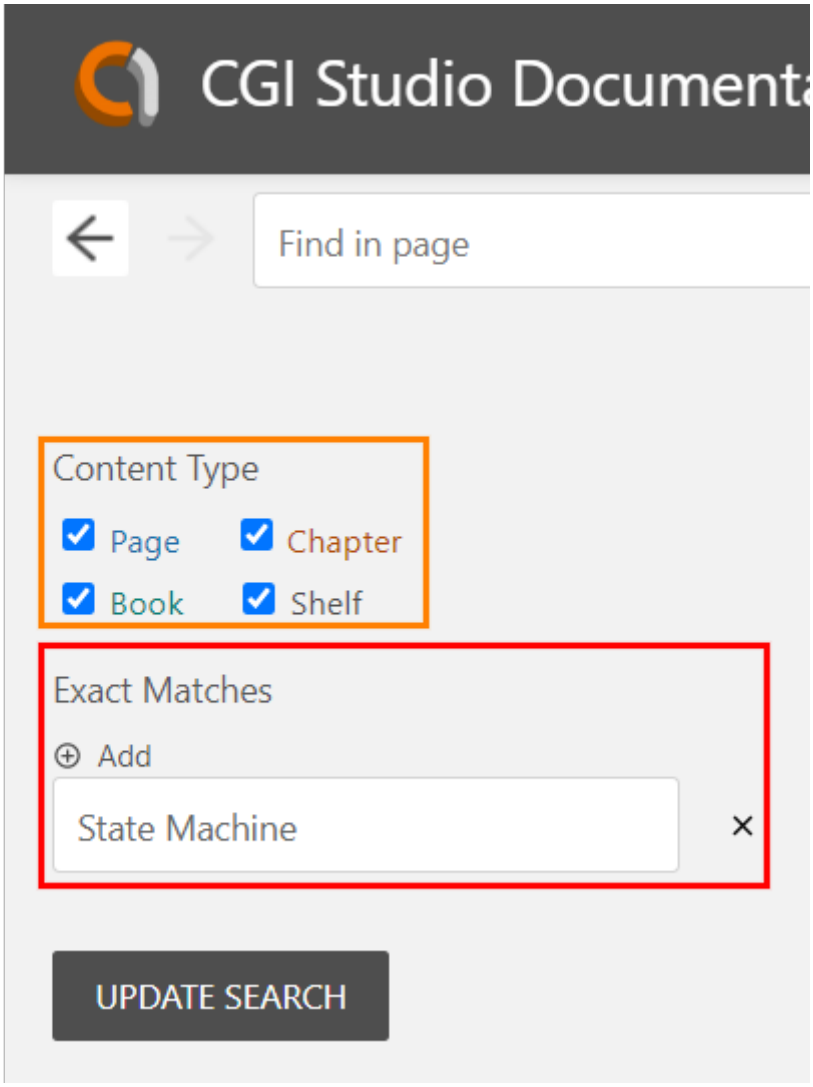
Back/Foward

By clicking the "Back/Forward" button in the upper right corner of the screen, you can go back or forward through the content displayed on the screen based on your viewing history. If there is no page transition history, this button will be greyed out.



Keyword Search

You can search for keywords by entering any string of text in the search field at the top of the document and pressing the Enter key. Up to 10 search results will be displayed. If there are more than 10 results, click the page number button at the bottom of the search results screen to display them. In addition, on the left-hand side of the search results page, there is [Content Type] and [Exact Matches] section, and by using these functions, you can narrow down and display the search results.



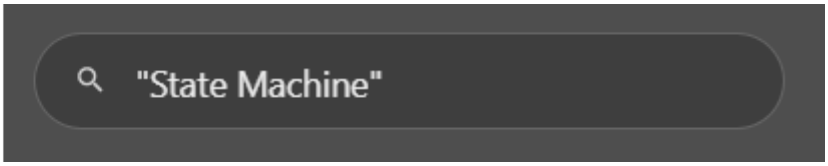
Content Type

Keyword searches are performed for all categories (Page/Chapter/Book/Shelf). Therefore, you can narrow down your search to only those results that belong to the target category by re-selecting the category from the [Content Type] field displayed on the left side of the search results screen and clicking [UPDATE SEARCH]. (Orange-colored box in the above image)

Exact Matches

To perform a regular expression search, enter keywords here and click [UPDATE SEARCH]. Only the pages that match the keywords you enter will be displayed in the search results. To use this function, click the [Add] button to display the search field and enter keywords. You can delete the target search field by clicking the [X] button to the right of the search field.

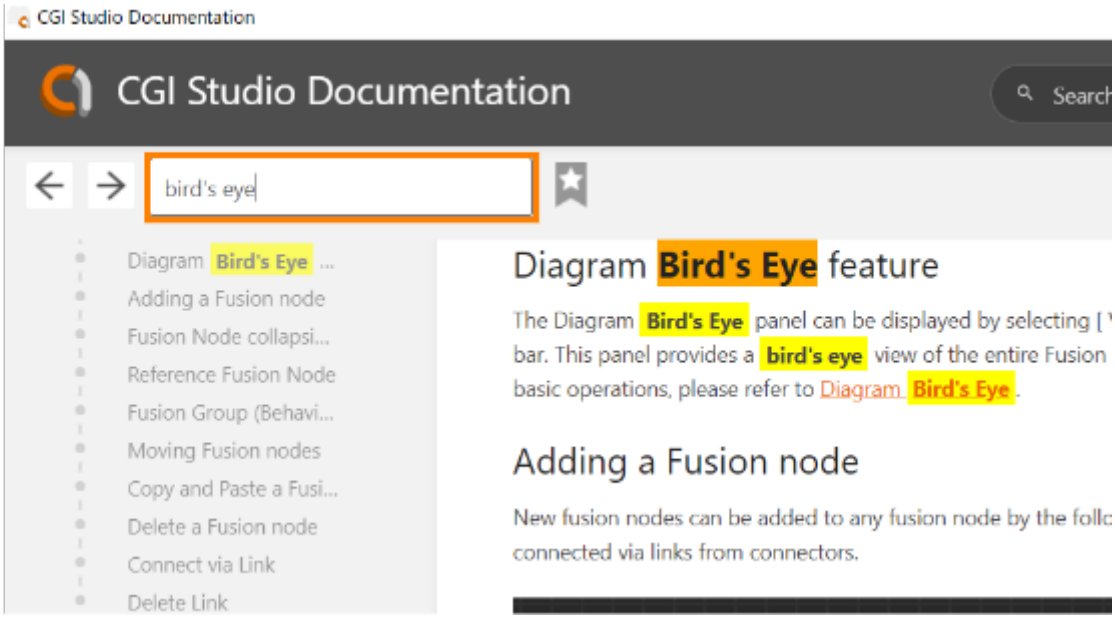
On the other hand, in the Search field, performing a regular expression search by enclosing the search keywords you enter in double quotation marks.



Contents search

Search for keywords in the displayed contents. As you enter keywords, the keywords you entered will be highlighted in yellow (all text in the screen will be searched for).

- Pressing the Enter key moves the input keywords (keywords that are currently displayed are highlighted in orange).
- Press Shift+Enter to move the input keywords in reverse order.
- Press Ctrl+F to move to the content search field.



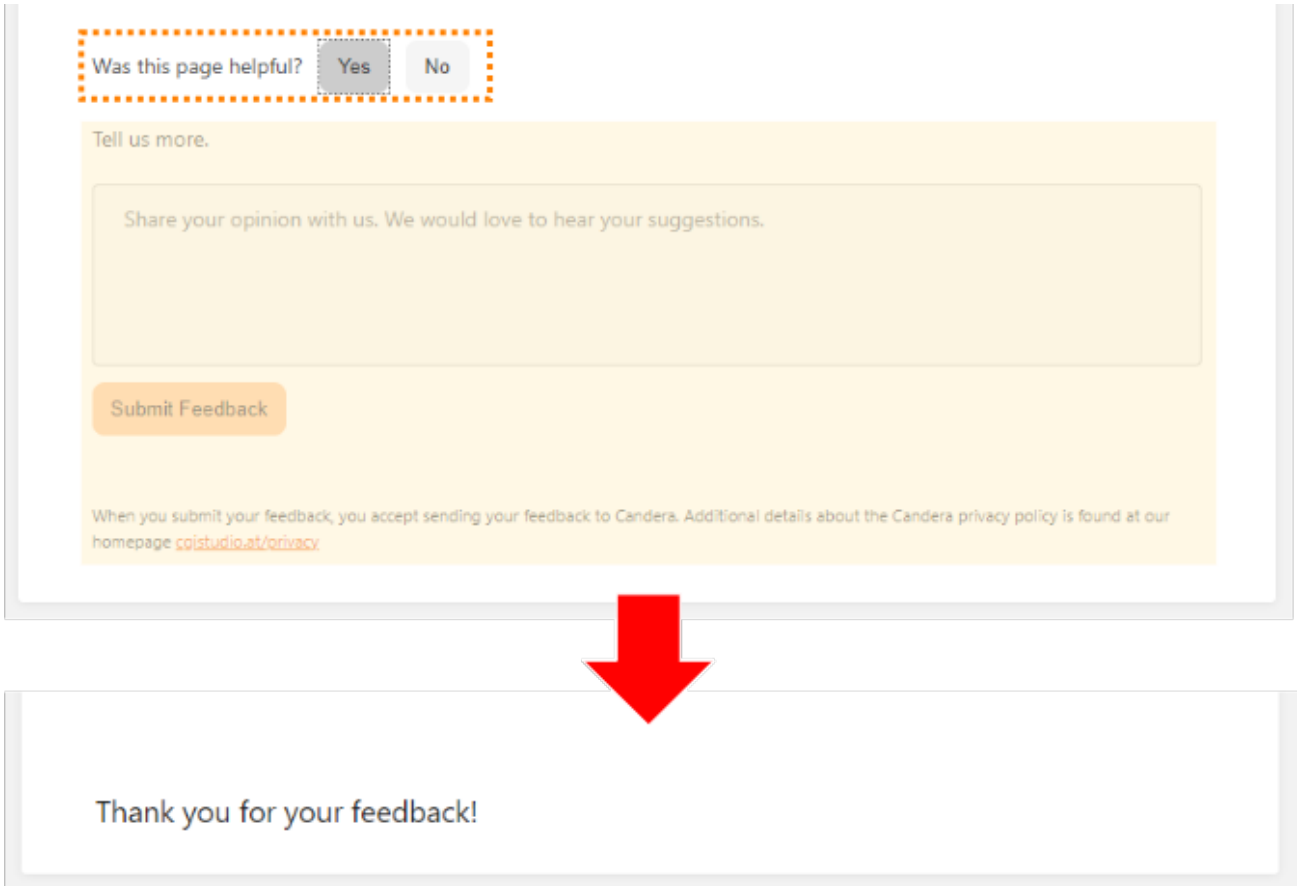
Feedback

At the bottom of each page is a feedback function. You can send us your comments directly about the content of the pages, such as the one below.

- The description was very clear.
- The description was not clear enough for me to understand the details of the feature or how to use it.

You can submit your feedback by following the steps below.

1. At the bottom of the page, click the "Yes" or "No" button to the right of "Was this page helpful?
2. The "Tell us more" area (shown in the yellow area below) will appear.
3. In the text entry area, enter your opinion on whether or not you found the information useful.
4. Click the "Submit Feedback" button at the bottom of the text entry area.
   - Your feedback will be sent to Candera.
5. The currently displayed feedback input area will disappear.
   - If successful, the message "Thank you for your feedback" will be displayed.
   - Otherwise, "Sorry, connection to the server timed out." will appear if it cannot connect to the server.



Callouts

In this document, statements that require special attention are indicated by the following two types.

> Use for an information that should be conveyed incidentally in operations and configurations.

> Use for an information that should be required an attention in operations and its configurations.

Note on the contents

All information in this document is subject to change or deletion without notice. The information contained herein is current as of the date of Release. Please note that the information may differ from the latest products and conditions.

Docs Agent

The Docs Agent is an AI-powered chatbot designed to accelerate your search within the CGI Studio documentation. The conversational assistant can:

- Summarize long documentation pages
- Connect concepts across different pages
- Point you to specific tutorials

The Docs Agent has two primary ways of access:

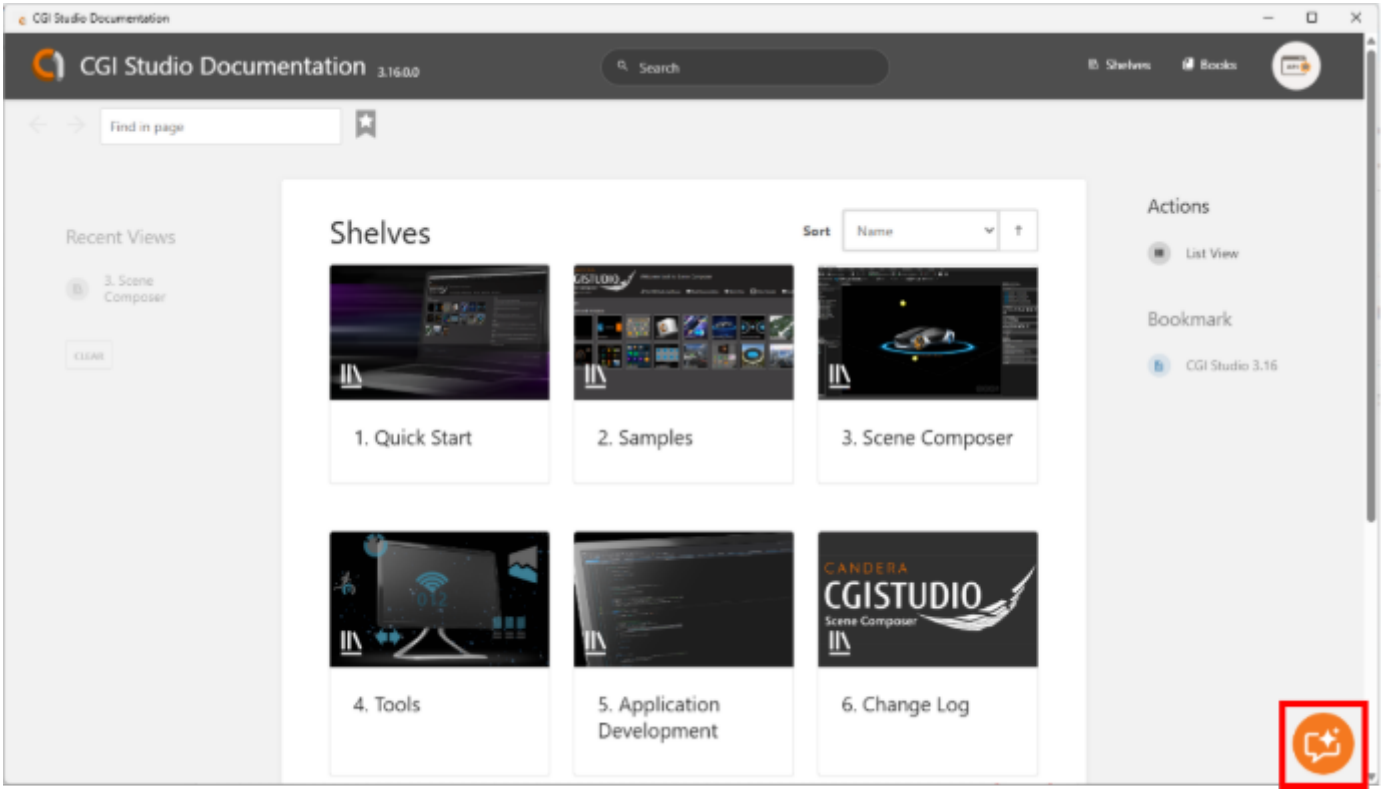
1. Directly in the product documentation to directly get AI-powered summaries across many pages
2. As MCP Server if you need your AI agent to check for you (like Claude.ai or Claude Code, Codex, Antigravity, or similar)

Docs Agent in the Product Documentation

The Docs Agent directly in your online or offline CGI Studio documentation.

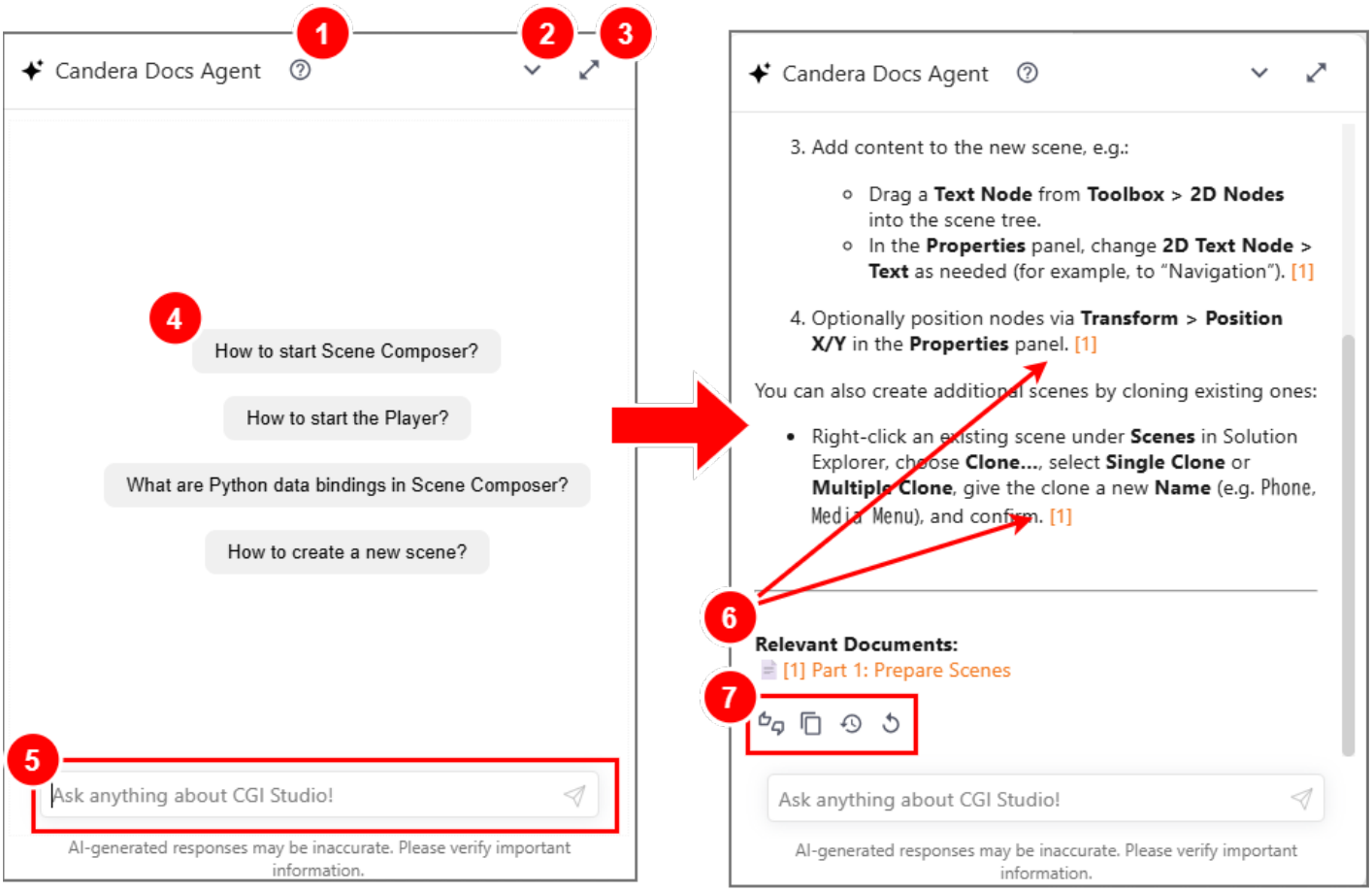
How to Access

Click the **Docs Agent** icon at the bottom right of the screen (red box in the figure) to open the chat window (orange box).



How to use

Clicking the **Docs Agent** icon described above opens a chat window on the documentation page. Here, we explain the UI of the initial screen shown immediately after launch and the screen where an answer is displayed after you submit a question.



upon launch		after submitting a question
1	Help button	A **Help** menu is available in the top bar of the Docs Agent window. From there, you can open the following information: • **Help**: Displays overview information about Docs Agent. • **Privacy Policy**: Launches a web browser and displays the privacy policy information. • **Third-Party**: Displays third-party information (such as licenses).
2	Minimize button	Clicking this button closes the Docs Agent window.
3	Maximize / Restore button	Clicking this button maximizes the Docs Agent window. Click it again to restore the window to its original size.
4	Suggested prompts	Before you enter a custom prompt, suggested prompts are displayed. Clicking a suggested prompt inserts its content so you can ask a question immediately.

5	Chat input field	Enter your question in the chat input field and press ENTER to receive a response from Docs Agent.
6	Relevant Documents	Links to the documentation pages that Docs Agent referenced when generating the answer are shown. The numbers at the end of the answer indicate the corresponding source links as reference numbers. Clicking a number opens the associated source link and displays the referenced documentation page.
7	Action button	Action buttons are displayed below the response from Docs Agent. • **Give feedback on last response:** Send your feedback on the document content. • **Copy to clipboard**: Copies the response to the clipboard. • **Clear history**: Clears the chat history. • **Retry last response**: Re-runs the most recent question.

> While the agent is optimized for accuracy, AI responses can occasionally be incorrect or misleading. Before proceeding with any implementation, always use the **source links** (see figure) to review the original article.

Troubleshooting

If the Docs Agent icon is not visible, please check your internet connection or firewall settings. Occasionally, temporary service interruptions may also prevent the agent from loading.

Privacy

For privacy-related information, open **Privacy Policy** from the **Help** menu at the top of Docs Agent. When you launch Docs Agent for the first time, you will be asked to agree to the privacy policy. Unless you agree, no user data will be sent for external processing.

Docs Agent MCP Server

Enable your AI tools to communicate with the Docs agent via the Model Context Protocol. Your AI agent queries the Docs Agent directly, instead of you opening the online or offline product

documentation and passing the information on yourself.

This is useful when you:

- develop HMIs, custom behaviors or custom controls for CGI Studio with the support of an AI assistant, and want it to consult the CGI Studio documentation while it works
- work through a complex CGI Studio problem together with an AI assistant

If you are reading the documentation yourself, use the Docs Agent in the product documentation instead — it requires no setup.

Requirements

- An MCP client that supports **remote MCP servers over HTTP** with **OAuth** authentication (for example Claude.ai, Claude Code, Codex, Antigravity, or Cursor).
- A **Google** or **GitHub** account to sign in with.
- Access from your machine to `https://chatbot.cgistudio.at` (check your firewall or proxy settings if the connection fails).
- The MCP Server is available with every CGI Studio edition, including the Community Edition.

How to Access

The server endpoint is:

```
https://chatbot.cgistudio.at/api/mcp
```

Add this URL to your MCP client. The exact steps depend on the client; the following examples cover the most common ones.

Claude Code

Run the following command in your terminal:

```
claude mcp add --transport http docs-agent https://chatbot.cgistudio.at/api/mcp
```

Then start Claude Code and run `/mcp` to complete the sign-in.

Claude.ai (web and desktop)

Open **Settings → Connectors → Add custom connector**, enter a name (for example `CGI Studio Docs Agent`) and the server URL above, then confirm and connect.

Clients using a JSON configuration file (for example Cursor and many others)

Add the server to the `mcpServers` section of the client's MCP configuration file (exact elements may differ slightly):

```
{
  "mcpServers": {
    "docs-agent": {
      "type": "http",
      "url": "https://chatbot.cgistudio.at/api/mcp"
    }
  }
}
```

Antigravity

Open the **Agent** panel, go to the MCP server settings and choose to edit the configuration file (`mcp_config.json`). Add the server under `mcpServers` — note that Antigravity uses `serverUrl` for remote servers:

```
{
  "mcpServers": {
    "docs-agent": {
      "serverUrl": "https://chatbot.cgistudio.at/api/mcp"
    }
  }
}
```

Save the file and refresh the MCP servers in the Agent panel. It will present you with an "Authenticate" button - click it and then follow the browser sign-in described below.

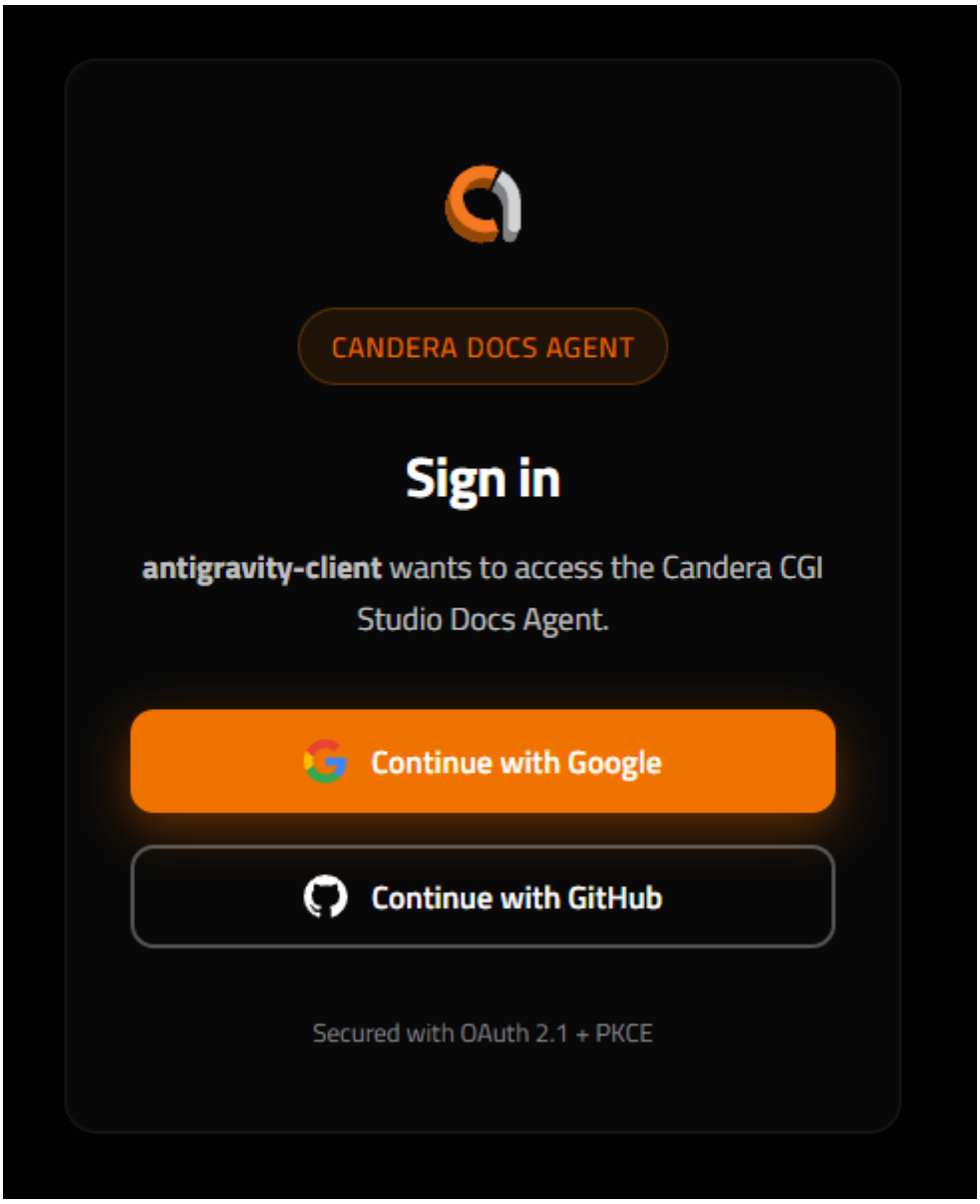
Codex (ChatGPT app)

Codex is configured from the ChatGPT app UI:

1. Open **Settings → Plugins**.
2. Click **Add → Add MCP Server**.
3. Switch **Type** to **Streamable HTTP**.
4. Enter a **Name** (for example `CGI Studio Docs Agent`) and the **URL** above.
5. Click **Save**.
6. Click **Authenticate** and sign in with **Google** or **GitHub** (see below).
7. Once the sign-in completes, the server is connected and ready to use.

Signing in

The first time your client connects, it opens a browser window and asks you to choose a login provider — **Google** or **GitHub**. After you have signed in and approved the access request, the browser returns to your MCP client and the connection is established. Your client stores the resulting access token, so this step is only required once per client (and again whenever the token expires or you revoke it).



How to use

Once connected, the server provides one tool and two resources to your AI assistant.

Type	Name	Description
Tool	`chat`	Asks a question about the CGI Studio documentation and returns an answer, including references to the relevant documentation pages.

Resource	`cgi://platforms`	The list of available hardware platforms, so the assistant can pick a valid value for the `platforms` parameter.
Resource	`cgi://versions`	The list of available CGI Studio product versions, so the assistant can pick a valid value for the `cgistudioVersion` parameter. CGI Studio 3.16.0.0 and later are supported.

In normal use you do not call these directly. Simply ask your assistant a CGI Studio question — for example:

> *Ask the Docs Agent how to set up a state machine in CGI Studio 3.16 and summarize the steps.*

The assistant then calls the `chat` tool on your behalf and answers with the information it received. Questions are sent to the server in English; if you ask in another language, your assistant translates the question before sending it. If you are unsure which hardware platforms an answer can be scoped to, ask your assistant to list them — it reads them from the `cgi://platforms` resource.

The `chat` tool accepts the following parameters. Your AI agent / MCP client fills them in automatically, but it is useful to know that you can steer them from your prompt (for example: "*ask the Docs Agent about … for CGI Studio 3.16 on i.MX8*", or ask for general questions like "*ask the DocsAgent for some samples on implementing custom behaviors?*" and it will default to the latest CGI Studio version across all available platforms).

Parameter	Required	Description
`query`	yes	The question, in English. If you ask in another language, the AI is instructed to translate the question before sending it.
`cgistudioVersion`	no	The CGI Studio version you are working with, for example `3.16.0.0`. If omitted, the current default version (latest CGI Studio release) is used.
`platforms`	no	The target platforms to scope the answer to, for example `imx8` or `wayland`. Use `all` to include all platforms.

`session_id`	no	A conversation handle returned by a previous call. Passing it back continues the same conversation with its history; omitting it starts a new conversation.

Checking the parameters before a call

Most MCP clients ask you to confirm a tool call before it is executed and show the parameters that will be sent. If you want to be certain which CGI Studio version or platform an answer is based on, review the call at that point, or name the version and platform in your prompt.

Conversation history

Each conversation is identified by a `session_id` that the server returns with every answer. As long as your client passes that handle back, follow-up questions keep the context of the previous ones. A conversation expires **24 hours after the last message** and is then deleted. A conversation can only be continued by the user who started it — a handle from another user is rejected.

Answer quality

As with the Docs Agent in the product documentation, AI responses can occasionally be incorrect or misleading. The answers contain references to the documentation pages that were used. Always open those pages and review the original article before you rely on an answer for your implementation.

Troubleshooting

Symptom	What to check
The client cannot reach the server	Check your internet connection, firewall, and proxy settings for `https://chatbot.cgistudio.at`. Also verify that the URL is entered exactly as shown, including the `/api/mcp` path.
The browser does not open for sign-in, or the login window fails	Make sure pop-ups are allowed and that your MCP client is permitted to open a browser. Some clients offer a manual command (for example `/mcp` in Claude Code) to trigger the sign-in again.
The tool answers `Not authenticated: this tool requires a signed-in user.`	Your access token is missing or has expired. Disconnect and reconnect the server in your client to sign in again.
The tool answers that the conversation belongs to a different user	The `session_id` was created by another user or in another account. Start a new conversation without a `session_id`.
A previous conversation no longer has context	Conversations expire after 24 hours of inactivity. Continue by asking your question again without the old handle.
`Upstream request failed.`	A temporary service interruption. Retry the question; if the problem persists, contact support.

Privacy

Your questions and the resulting answers are processed by the same service as the Docs Agent in the product documentation and are subject to the same privacy policy. In addition, note the following for the MCP server:

- Signing in via Google or GitHub shares your account identifier (and e-mail address) with the service. It is used to authenticate you and to keep your conversations separate from those of other users.
- Conversation content is stored on Cloudflare servers in the EU and is deleted automatically 24 hours after the last message of that conversation.
- Your MCP client stores the access token locally on your machine. Remove the server from the client's configuration to delete it.