

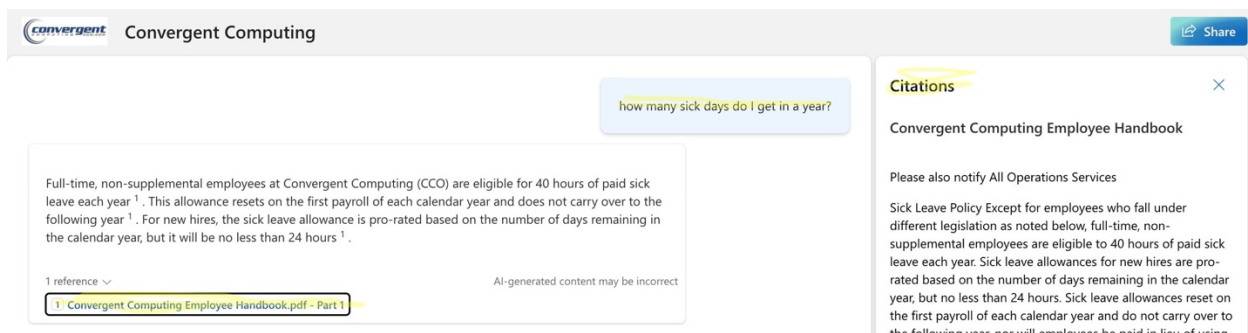
## A.I. Chatting WITH Your Filenames - A ChatGPT Game Changer!

We perfected a process that has significantly improved the way we're able to Chat in our private ChatGPT instances that involves including the filename in our chat questions and responses!

### The "Normal" ChatGPT Experience without Filenames

When you use a public instance of ChatGPT, you ask questions, get answers, but you don't get any particular citation where it found the information. The whole idea of ChatGPT was to make a vast library of public information available so you get answers back to your questions in fully formed sentences, paragraphs, etc.

With a private instance of ChatGPT that we've been building for organizations in the Microsoft Azure cloud, you actually do get a citation/reference ("filename") that you can click and see a portion of the content (file) that the private ChatGPT found the answer from.



The screenshot shows a chat interface for "Convergent Computing". The user asks, "how many sick days do I get in a year?". The AI response states that full-time, non-supplemental employees are eligible for 40 hours of paid sick leave each year, which resets annually. A citation is provided: "1 reference" and "Convergent Computing Employee Handbook.pdf - Part 1". To the right, a "Citations" panel shows the title "Convergent Computing Employee Handbook" and a snippet of the text: "Please also notify All Operations Services Sick Leave Policy Except for employees who fall under different legislation as noted below, full-time, non-supplemental employees are eligible to 40 hours of paid sick leave each year. Sick leave allowances for new hires are pro-rated based on the number of days remaining in the calendar year, but no less than 24 hours. Sick leave allowances reset on the first payroll of each calendar year and do not carry over to the following year, nor will employees be paid in lieu of using..."

However as much as I can click on the reference "Convergent Computing Employee Handbook.pdf" and see the citation to the right, if I tried to ask our private ChatGPT environment anything about that PDF file, it wouldn't know what I'm talking about. I would get an error that ChatGPT doesn't understand nor have access to the PDF file. By default, the system imported the body/text of the file, but for the most part then disregarded the filename.

### Being Able to Reference Filenames in Chats

What our A.I. Think Tank resolved was the ability to include the filenames of all ingested files into the chat search and response process. NOW when we ask it "tell me more about Convergent Computing Employee Handbook.PDF", it CAN respond... Now our private Azure-based ChatGPT environments can recognize the filenames of the DOCX, PDF, TXT, PPT, HTML, etc that we've uploaded to the system!

convergent Convergent Computing Share

tell me more about Convergent Computing Employee Handbook.pdf

The Convergent Computing Employee Handbook provides comprehensive guidelines and policies for employees at Convergent Computing (CCO). Here are some key areas covered in the handbook:

- 1. Workweek and Time Recording:**
  - The standard workweek runs from Monday to Sunday, typically from 8 a.m. to 5 p.m. Employees may be required to work overtime based on workload and staffing needs <sup>1</sup>.
  - Nonexempt employees must record all working time using the company's Projector PSA (PPSA) Timesheet system. Exempt employees must account for billable hours and time off <sup>1</sup>.
- 2. Paid Leave and Sick Days:**
  - Full-time, non-supplemental employees are granted 40 hours of paid sick leave per year, which resets at the start of each calendar year. New hires receive a pro-rated amount based on the remaining days in the year.

## Why are Filenames in Chat Significant

The significance, and why it is SUCH an amazing breakthrough of having filenames chattable, is it allows you to ask questions about "a file", explore more about uploaded content, directly ask the GenAI system to compare one doc to another, all the things in research and information digging that you want more information on!

Up until now, as much as I would know there was an "Employee Handbook" file that is the source of questions I ask, and I could see snippets of the handbook by clicking on the citation, it was poking in the dark to gather up "everything" about that document.

Being able to directly call out the names of files, I can ask my ChatGPT environment to summarize the entire document. Or I can ask my ChatGPT to compare one documents to another like I've done below:

convergent Convergent Computing Share

compare "convergent computing employee handbook.pdf" with "email\_policy.pdf" and tell me the differences in verbiage between the two documents

"The "Convergent Computing Employee Handbook" and the "Email Policy" documents have distinct differences in their verbiage and focus. Here are some key differences:

- 1. Purpose and Scope:**
  - The Employee Handbook provides a comprehensive overview of company policies, procedures, and expectations for employees, covering a wide range of topics from workplace harassment to safety policies <sup>1 2 3</sup>.
  - The Email Policy specifically focuses on the appropriate use of the company's email system, outlining acceptable and unacceptable uses, and emphasizing legal, privacy, and security risks associated with email communication <sup>4</sup>.
- 2. Language and Tone:**
  - The Employee Handbook uses a more general and inclusive tone, addressing various aspects of employment and providing detailed explanations and examples for policies such as harassment, drug-free workplace, and safety <sup>1 2 3</sup>.
  - The Email Policy is more technical and specific, with a focus on compliance and security. It uses precise language to define acceptable email usage, retention policies, and the consequences of misuse <sup>4</sup>.
- 3. Content Specificity:**

You can even specifically ask to see the bibliography for a document, so if you're looking to expand your research on content directly related to a unique document, you can call out the name of that document and ask for content directly in that file:

Provide me the first 5 references in the bibliography for "sec vs ripple 7-13-23.pdf"

The retrieved documents do not provide a specific bibliography for the "sec vs ripple 7-13-23.pdf" file. However, based on the content of the retrieved documents, here are the first five references that are frequently cited within the text:

1. **Securities Act of 1933:**
  - Section 5 of the Securities Act of 1933, 15 U.S.C. §§ 77e(a) and (c) <sup>1</sup>.
2. **SEC v. W.J. Howey Co.:**
  - SEC v. W.J. Howey Co., 328 U.S. 293 (1946) <sup>2</sup>.
3. **Revak v. SEC Realty Corp.:**
  - Revak v. SEC Realty Corp., 18 F.3d 81 (2d Cir. 1994).
4. **SEC v. Telegram Group Inc.:**
  - SEC v. Telegram Group Inc., 448 F. Supp. 3d 352 (S.D.N.Y. 2020) <sup>3</sup>.
5. **SEC v. Kik Interactive Inc.:**

So as much as ChatGPT is great at grabbing content from ALL information in its repository, there are many times when you find what you want, you want to go deeper into THAT file and content and get a lot more targeted on specific file content!

### The Trick to Enabling Chat/Search Including Filename

By default the private instances of Microsoft Azure ChatGPT includes the content as searchable, but it excluded the filename as searchable.

Microsoft Azure Search Explorer interface showing index configuration for 'rfpdocs-index'. The interface includes a search bar, navigation links, and a table of field configurations.

Field name	Type	Retrievable	Filterable	Sortable	Facetable	Searchable	Analyzer	Dimensions
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
document_id	String	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
content	String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Standa...	
url	String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
filename	String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

By making a modification to the index to INCLUDE the filename as being searchable, now we can search (and chat) with the body/content of uploaded materials as well as be able to search (and chat) including the filename!

**Wrap-up: Getting the Most Out of Broad Search as well as Specific Search!**

With this breakthrough we're now getting the BEST out of ChatGPT by having it sift through a LOT of information to come up with a quick response, but as it cites where it found the content, we can now specifically call out that source document and go DEEP into our subsequent rounds of queries!