

# FAQ on integrating with SharePoint VT Writer

# **VT Writer Intro**

VT Writer is a browser-based application (with an optional MS Word Addin) for those creating and editing textual content. It scores content, can create content, and suggests how to improve the clarity of content.

When run as "customer-hosted" (either on-prem or in private cloud), VT Writer is a self-contained system.

#### 1. How is SharePoint used in VT Writer?

When users are creating content in VT Writer (using our Generative AI assistant - Visi), they can choose to Use files. This feature allows users to pick files to use as context when prompting with Visi. VT Writer will search these files for chunks of content that is relevant to the user's prompt and include these chunks as context with the prompt (technically this is called Retrieval Augment Generation, RAG).

VT Writer 51.0					Υοι	are on the E	nterprise plan
Creator Mode Scoring Mode		5 2	Normal	▼ -	12 px +	В	I ≣
Hi, I'm Visi							
Proposal Teams (	1)						
Create a draft RFI Response							
How do we do XXX?							
Create a draft Management Plan							
Type to prompt or click a shortcut above							
Use files					Save & Analyze	Clea	r All

Users can choose local files; or if you have SharePoint integrated, users can navigate Sites / folders and select documents to include as context (a Collection) when prompting.

Choose File	25		
	> Paddy Test Site > Shared Documents > Test	Collection: Security Questionnaires	
	<b>↑</b> Back	Name 🔻	Source
SharePoint	Image: SD Perception - Questions + Answers.docx       ✓         Image: SD Perception - Questions.docx       ✓         Image: SD Perception - Perception - Questions.docx       ✓         Image: SD Percepti	Image: Structure of the st	SharePoint SharePoint SharePoint
Collections			



Here's an example of a user asking a question using a Collection (3 documents selected from SharePoint) as context:

🗡 VT Writer 51.0					You are on the E	nterprise plan 🛛 🔵 ja	y@nonprofittest629.onmicr
K Back	Clear Chat		ormal 👻	— 12 px +	BI		Actions •
<ul> <li>You wrote:</li> <li>How does VisibleThread secure custon</li> <li>Based on</li> <li>Collection</li> <li>Security Questionnaires (3 files)</li> <li>VisibleThread secures customer data measures 1:</li> <li>-**Customer-hosted Software**: The the customer's infrastructure (2).</li> <li>-**No Internet Connectivity, so unauthorized access through that rou - **VisibleThread Has No Access to A VisibleThread has no direct access to ou.</li> <li>-**AWS Cloud for Infrastructure Hosting</li> </ul>	Inserted by implementing several e software is hosted on **: The application there's no risk of the application**: the application or its ing**: Although	VisibleThread secure • Customer-h • No Internet access throu • VisibleThree • AWS Cloud Web Services • Separation of different tear manipulation • Bug Bounty	es customer data by in nosted Software: The Connectivity Require (gh that route. ad Has No Access to for Infrastructure Ho s (AWS) provides robu of Duties: VisibleThre ms handle different as of data. Program: They have	nplementing several me software is hosted on tl sd: The application does <b>Application</b> : VisibleThri <b>sting</b> : Although custom st security measures an ad adheres to the separ pects of development, C a bug bounty program in	asures: he customer's infras in't need internet co ead has no direct ac er-hosted, infrastruc d complies with var ation of duties for si A, and <u>DevOps</u> . Thi n place to encourage	tructure. innectivity, so there's no i ccess to the application o cture is hosted on AWS in ious industry standards li oftware production proce is helps prevent unauthor e responsible disclosure o	isk of unauthorized r its data. N.Virginia. Amazon ke ISO/I <u>EC</u> 27001:2013. sses, ensuring that ized access or of vulnerabilities.
How does VisibleThread secure custo	mer data?						
Based on Collection	×						
Security Questionnaires (3 files)							
Use files	2			Save & Analyz	e Clear All		

# 2. What types of SharePoint system does VT Writer support?

For both customer-hosted and VisibleThread cloud-hosted (running in the VisibleThread managed cloud <u>https://writer.visiblethread.com</u>) we support:

• SharePoint Online (standard Microsoft cloud)

Additionally, if your VT Writer instance is customer-hosted, VT Writer supports you connecting to the MS Government Community Cloud (GCC) :

• SharePoint in GCC and GCC-High

Note: VT Writer does not support SharePoint Server editions

#### 3. What are the prerequisites to use SharePoint in VT Writer?

There are 3 prerequisites within VT Writer to use SharePoint. You must have the following optional features turned "On":

Generative AI		
Enable generative Al features:	On	
Enable Use Files:	On	
Enable Sharepoint Connection		On 🚺



If your VT Writer instance is customer-hosted (on-prem or in your private cloud) then you must provide an LLM. Either an LLM you install (e.g. Ollama), or a cloud hosted LLM:

Generative Al		
Enable generative Al features:		On On
Framework:	Ollama	~
	Ollama	
Endpoint:	OpenAl	
Mardal	TGI	
Model:	Sagemaker	
API Key:	Azure OpenAl	

# 4. Does VT Writer store SharePoint documents?

No, VT Writer **does not** store SharePoint documents. The system does store chunks of text from SharePoint documents that users chose to use with the Use files feature. These text chunks are stored in a vector database (Postgres with pgvector). The text chunks are deleted by an automated process on a configurable schedule, X days after a document was submitted to the system.

# 5. What Microsoft Graph/SharePoint permissions does VT Writer require?

VT Writer integrates with Graph/SharePoint using the <u>delegated access model</u> & <u>delegated permissions</u> :

In delegated access, the app calls Microsoft Graph on behalf of a signed-in user.

*Delegated permissions*, also called *scopes*, are used in the delegated access scenario. They're permissions that allow the application to act on behalf of a signed-in user. However, the application can't access anything the signed-in user couldn't access.

#### Screenshot of the required permissions:

#### Configured permissions

Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permissions sh include all the permissions the application needs. Learn more about permissions and consent

+ Add a permission	<ul> <li>Grant admin cons</li> </ul>	ent for Non profit test		
API / Permissions name	е Туре	Description	Admin consent req	Status
V Microsoft Graph (5)				
Files.Read	Delegated	Read user files	No	Granted for Non profit t
Files.Read.All	Delegated	Read all files that user can access	No	Granted for Non profit t
offline_access	Delegated	Maintain access to data you have given it access to	No	📀 Granted for Non profit t
openid	Delegated	Sign users in	No	Granted for Non profit t
User.Read	Delegated	Sign in and read user profile	No	Granted for Non profit t
SharePoint (3)				
AllSites.Read	Delegated	Read items in all site collections	No	Granted for Non profit t
MyFiles.Read	Delegated	Read user files	No	Granted for Non profit t
Sites.Search.All	Delegated	Run search queries as a user	Yes	Granted for Non profit t



# 6. How to configure SharePoint to work with VT Writer?

There are two parts to complete to integrate SharePoint with VT Writer:

- 1. Create a new App Registration in Microsoft Entra
- 2. Configure VT Writer | SharePoint Connection with data from step 1

#### 6.1 Create an App Registration in Entra

- 1. Create a New Registration
- 2. Specify the Redirect URI e.g. <u>https://your-vt-</u> writer.com/docrepo/callback
- 3. Configure API Permissions
- 4. Configure Authentication Settings
- 5. Create a Client Secret
- 6. Expose an API
- 7. Add Owners/Users

#### 8. Retrieve Important App Details

Home > App registrations > Writer-Sharepoint-Connect | Certificates & secrets > App registrations >

A Home Register an application 🚽 What's ne The user-facing clisplay name for this application (this can be changed later). Writer-Sharepoint-Connect Supported account types Who can use this application or access this API A Users Accounts in this organizational directory only (Non profit test only - Single te
 Accounts in any organizational directory (Any Microsoft Entra ID tenant - Mu Accounts in any organizational directory (Any Microsoft Entra ID tenant - Mu 83 0 № Applications App regis Redirect URI (optional) A Pr tection We'll return the authentication response to this URI after si changed later, but a value is required for most authenticati Web ✓ https://wr 🔅 External ld ··· Show mor Protection orking on here. Integrate gal 🤰 Learn & sup

Writer-Sharepoint-C	onnect 🖈 …	
	📋 Delete 🌐 Endpoints 🐱 Preview features	
R Overview	Got a second? We would love your feedback on Microsoft ide	entity platform (previously Azure AD for developer). $ ightarrow$
🍊 Quickstart		
🚀 Integration assistant	↑ Essentials	
X Diagnose and solve problems	Display name Writer-Sharepoint-Connect	Client credentials 0.certificate. 1.secret
Manage	Application (client) ID	Redirect URIs
Branding & properties	party on an an analysis	<u>3 web, 0 spa, 0 public client</u>
Authentication	Object ID 61f2aebc-7623-4b04-b579-7ec820cf7b3e	Application ID URI <u>api://4faad7c7-1a32-4a43-a049-a2f46a6fbe5b</u>
📍 Certificates & secrets	Directory (tenant) ID	Managed application in local directory
Token configuration	Supported account types	writer-snarepoint-connect
API permissions	My organization only	

Copy the following details to help you configure VT Writer:

- Application (client) ID
- o Directory (tenant) ID
- o Client Secret
- o SharePoint URL



### 6.2 Configure VT Writer - SharePoint Connection

Using the information from the final step above:

1. Go to the System Admin page & scroll down to the Generative AI section:



2. Turn On "Enable Sharepoint Connection" and fill out the appropriate fields with the information from the final **Step 7: Retrieve Important App Details** 

Sile URL	
enant ID	
Client ID	
Client Secret	

- 3. Test Connection
- 4. Once the test is successful, Save Changes.

# 7. Troubleshooting?

• Check that you have a redirect uri specified in your Entra App Registration, and that it matches the domain name for your VT Writer instance:



#### Microsoft

#### Sign in

Sorry, but we're having trouble signing you in.

AADSTS50011: The redirect URI 'https://\_\_\_\_/docrepo/callback' specified in the request does not match the redirect URIs configured for the application '\_\_\_\_\_. Make sure the redirect URI sent in the request matches one added to your application in the Azure portal. Navigate to https://aka.ms/redirectUriMismatchError to learn more about how to fix this.

# 8. How can I access help and support for VT Writer?

You can find help and support by contacting our Support Team at <u>Support@visiblethread.com</u>, visiting the VisibleThread website, checking out our user guides, or contacting your Customer Success Manager directly.