



FAQ on integrating with SharePoint

VT Writer

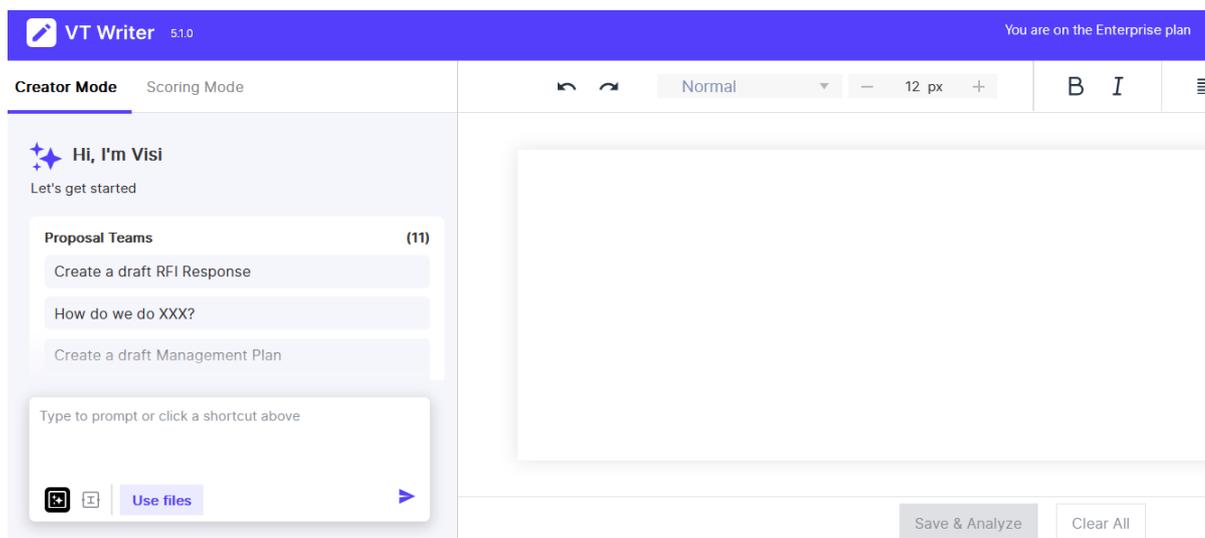
VT Writer Intro

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.

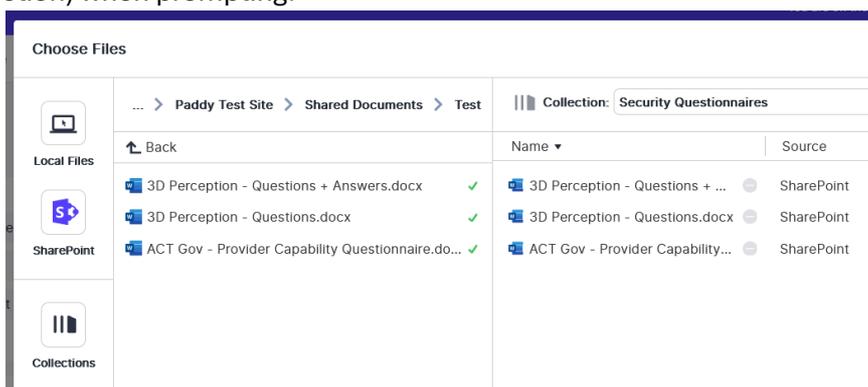
When run as “customer-hosted” (either on-prem or in private cloud), VT Writer is a self-contained system.

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).



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.





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

The screenshot shows the VT Writer 5.1.0 interface. On the left, a chat window displays the user's question: "How does VisibleThread secure customer data?". Below the question, it shows the context used: "Based on Collection Security Questionnaires (3 files)". The generated answer is displayed in the main content area, starting with "VisibleThread secures customer data by implementing several measures:" followed by a bulleted list of security measures:

- **Customer-hosted Software:** The software is hosted on the customer's infrastructure.
- **No Internet Connectivity Required:** The application doesn't need internet connectivity, so there's no risk of unauthorized access through that route.
- **VisibleThread Has No Access to Application:** VisibleThread has no direct access to the application or its data.
- **AWS Cloud for Infrastructure Hosting:** Although customer-hosted, infrastructure is hosted on AWS in N.Virginia. Amazon Web Services (AWS) provides robust security measures and complies with various industry standards like ISO/IEC 27001:2013.
- **Separation of Duties:** VisibleThread adheres to the separation of duties for software production processes, ensuring that different teams handle different aspects of development, QA, and DevOps. This helps prevent unauthorized access or manipulation of data.
- **Bug Bounty Program:** They have a bug bounty program in place to encourage responsible disclosure of vulnerabilities.

At the bottom of the chat window, there are buttons for "Save & Analyze" and "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 <https://writer.visiblethread.com>) 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 AI 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 AI

Enable generative AI features: On

Framework:

Endpoint:

Model:

API Key:

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 [delegated access model](#) & [delegated permissions](#) :

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 should include all the permissions the application needs. [Learn more about permissions and consent](#)

+ Add a permission Grant admin consent for Non profit test

API / Permissions name	Type	Description	Admin consent req...	Status
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...



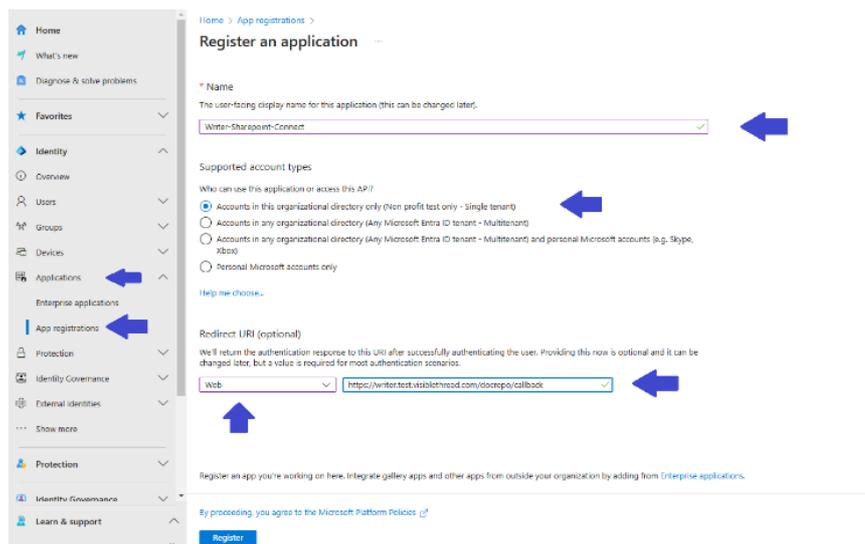
6. How to configure SharePoint to work with VT Writer?

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

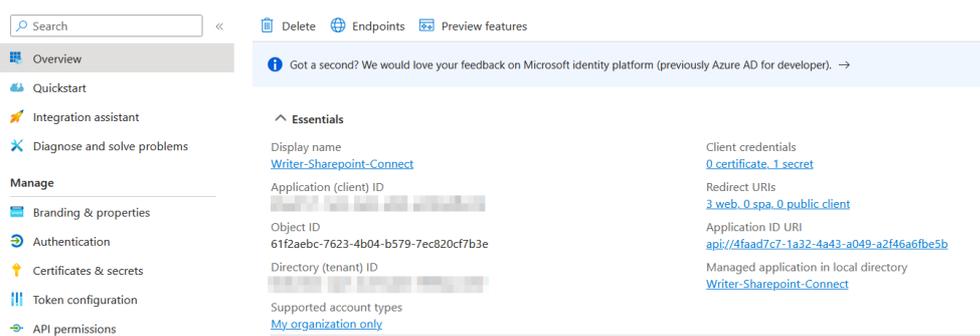
6.1 Create an App Registration in Entra

1. Create a New Registration
2. Specify the Redirect URI
e.g. <https://your-vt-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 >

Writer-Sharepoint-Connect



Copy the following details to help you configure VT Writer:

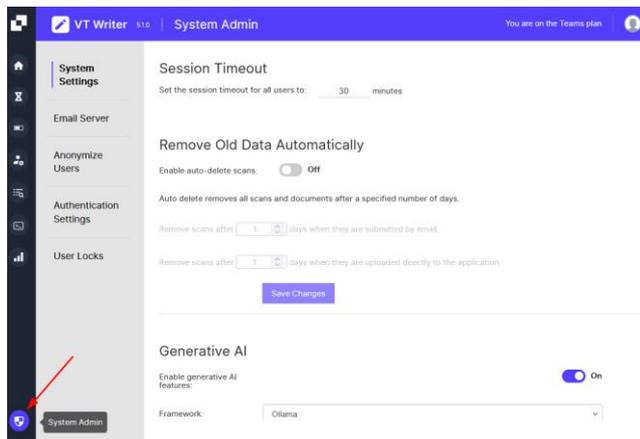
- **Application (client) ID**
- **Directory (tenant) ID**
- **Client Secret**
- **SharePoint URL**



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**



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:



Sign in

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

AADSTS50011: The redirect URI 'https://[redacted]/docrepo/callback' specified in the request does not match the redirect URIs configured for the application '[redacted]'. 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 Support@visiblethread.com, visiting the VisibleThread website, checking out our user guides, or contacting your Customer Success Manager directly.