KNOWLEDGE BASE ARTICLE

Where Password Vault Stores Your Passwords: The OneDrive App Folder

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Overview

Password Vault does not keep your credentials on the **SharePoint** page, in a SharePoint **list** or on Vitextra servers. Each user's vault is a single file in that user's own OneDrive. This article describes the file, the folder it lives in, how it is created and what to keep in mind when you work with the vault on several devices.

Summary

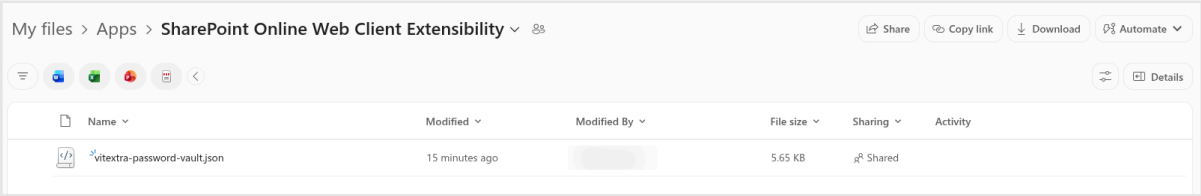
Question	Answer
File name	`vitextra-password-vault.json`
Location	The app folder of the signed-in user's own OneDrive
Format	A JSON file; the text fields of the entries are AES-encrypted with a key derived from the PIN; the file also holds the salt, the iteration count and a check value, but neither the PIN nor a hash of it
How many vaults per user?	One - the same vault on every page, **site** and **Teams tab** or app
Who creates it?	The **web part**, automatically, the first time the user opens it
What is stored elsewhere?	No vault data; configuration and licensing caches are separate
Requirement	The user must have a OneDrive in the **tenant**

The app folder

The app folder is located under **Apps**, in a subfolder named after the Microsoft Entra ID application. Microsoft Graph creates it on the first request to `approot`. Password Vault stores `vitextra-password-vault.json` in that app folder. Microsoft Learn. KB10454. Microsoft Graph Permission Files.ReadWrite.AppFolder: Why Password Vault Needs It and How to Approve It

The file belongs to your OneDrive like any other file. It is subject to the same

OneDrive permissions, storage, version history, recycle bin and retention settings that your organization applies to OneDrive content. Its entry fields are encrypted with a key that is derived from your PIN and is not stored in the file, so the file does not contain your entries as plain text (see KB10452. How Password Vault Protects Your Data: Encryption, PIN and Storage).



The vault file in the Apps folder of OneDrive

Warning

Do not delete, rename, move or edit *vitextra-password-vault.json*. Password Vault looks for the file by its name in the app folder; any change to it can make your entries unavailable.

One vault per user, everywhere

Because the file is stored in the user's OneDrive, the vault follows the user and not the page:

- Every user who opens a page with the web part sees **his or her own** vault. Placing the web part on a shared page or in a Teams channel does not share passwords between colleagues.
- The same vault appears on every page, site and **Microsoft Teams** tab or personal app where the web part is added. An entry created on one page is available on all others.
- Removing the web part from a page, or removing the whole product from the tenant, does not delete the vault file: it stays in the user's OneDrive.

How the vault file is created

When a user opens Password Vault for the first time, the web part finds no vault file and creates an empty one in the app folder automatically. The **Set up PIN** screen then appears. After the user saves a PIN, the vault is ready and the list shows "There are no items in this list." See KB10442. How to Set Up Your PIN in Password Vault.

If the file is deleted or moved

If the vault file is deleted, renamed or moved out of the app folder, the web part no longer finds it. The next time the user opens Password Vault, a new empty vault is created and the **Set up PIN** screen is shown. The entries of the old file are not shown in the new vault.

Restoring a deleted or earlier version of the file is an operation of OneDrive, not of Password Vault: use the OneDrive recycle bin or version history, as far as your organization's settings allow. The web part opens whichever file named *vitextra-password-vault.json* it finds in the app folder; a restored file opens with the PIN that was valid for that version of the vault, and a file in the previous format is upgraded again the first time the correct PIN is entered.

Note

Vitextra does not hold a copy of your vault and cannot restore it. Backup and recovery of OneDrive content are governed by **Microsoft 365** and your organization's policies.

Users without OneDrive

Password Vault requires a OneDrive for the signed-in user in your Microsoft 365 tenant. A user who has no OneDrive cannot use the web part: it shows "Sorry, something went wrong. Please refresh the page and try again." For other causes of this message, see KB10459. Why Password Vault Does Not Load: "Something Went Wrong" and Permission Errors.

Working on two devices or in two tabs

The web part reads the vault file when the page loads and keeps the data in the open page. Every save - creating, editing and deleting entries, marking favorites, changing the PIN and updating the failed-attempt counter - is sent together with the version (eTag) of the file that the change was built from. If the vault was saved elsewhere in the meantime, OneDrive rejects the save, and the web part loads the latest file and applies the change to it. Changes to different entries made on another device or in another tab are therefore preserved. If the same entry is edited simultaneously, the last saved complete draft can replace earlier changes; fields are not merged individually.

A change saved in one place appears in another open page after you press **Refresh** there, and also after the next save or unlock on that page. If the PIN was changed or the vault was reset on another device, an open page locks itself as soon as it notices

this (on **Refresh**, on a save or on an unlock) and asks for the new PIN; the old PIN no longer works there. If the vault was reset and no new PIN has been set, the setup screen appears instead.

Tip

To see changes made on another device right away, press the **Refresh** button at the top right of the web part. It reloads the vault file from OneDrive and is available also while the vault is locked.



The Refresh button

After the upgrade to the new file format

The current version of Password Vault saves the vault in a new file format, in which the key is derived from the PIN with PBKDF2 (see KB10452. How Password Vault Protects Your Data: Encryption, PIN and Storage). An existing vault is upgraded automatically the first time its owner enters the correct PIN in the new version; the entries are kept.

The upgrade completes only if every entry can be decrypted and the updated file is saved successfully. If either step fails, the web part can keep the current session on the previous format; unlocking alone does not confirm a successful upgrade.

Warning

Earlier versions of the web part cannot open an upgraded vault: they show the entries with empty values and do not accept the PIN. Administrators should update Password Vault in every **app catalog** of the tenant - the tenant App Catalog and every **site collection** app catalog where the package is deployed - and users should not use earlier versions after the update. See KB10050. How to Update a Vitextra SPFx Solution in SharePoint Online and KB10361. Tenant App Catalog vs. Site Collection App Catalog: Where to Deploy Vitextra Apps.

Pages that were already open before the update still run the previous version and hold the old data in memory. Reload them before you continue working with the vault.

Privacy and data residency

Since the vault is an ordinary OneDrive file, it is stored in the same Microsoft 365 data location as the rest of the user's OneDrive. Vitextra receives no vault data. For an overview of all Vitextra products, see KB10363. Where Vitextra Products Store Your Data: Privacy, Data Residency and GDPR.

Terms

App Catalog
The App Catalog is a special SharePoint site that stores apps for SharePoint, Teams, and other Microsoft 365 services. Global or SharePoint administrators can upload and manage applications from the AppSource marketplace, custom-developed apps, or third-party apps for the organization's internal use. There can be only one tenant-level App Catalog in a tenant; site collection app catalogs can be added for individual site collections.

List
A list is a storage unit in SharePoint. A list can contain columns of different types, content types, and views. A document library is a special type of list and therefore inherits the functionality of a list.

Microsoft 365
Microsoft 365 is a cloud-based subscription service that combines productivity apps such as Word, Excel, PowerPoint, and Outlook with cloud services such as SharePoint, OneDrive, Teams, and Exchange Online, together with advanced security and device management.

Microsoft Teams
Microsoft Teams is a chat-based collaboration platform for business communications with features for online meetings, live events, and document sharing.

SharePoint
SharePoint is a web-based collaboration platform that provides content management, document management, workflow applications, search, and other tools that empower employees and teams to work together. SharePoint is also a secure place to store, organize, and access shared information.

Site
A SharePoint site is a container for information within the SharePoint platform. Sites typically offer features such as document libraries, lists, calendars, discussion boards, and workflows, facilitating collaboration, communication, and document management within teams or across departments. Sites can be customized and configured to suit the specific needs and workflows of an organization.

Terms

Site Collection
A site collection is a group of one or more SharePoint sites, subsites, and related content. A site collection typically shares common settings, permissions, and configuration, providing a cohesive environment for users to work together on projects, departments, or specific areas of focus. Site collections are often used to separate content and control access rights based on organizational structure, security requirements, or project needs.

Teams Tab
A tab in Microsoft Teams is a page that is embedded in a channel, chat, or meeting and displays web content or an app, such as a SharePoint page or a custom application, at the top of the conversation.

Tenant
A Microsoft 365 tenant is a dedicated instance of Microsoft 365 services. The tenant holds the organization's information, such as users and domains (Microsoft Entra ID), configurations, subscriptions, and services. An organization receives a tenant by signing up for Microsoft 365 services.

Web Part
A web part is a primary building block of functionality or content placed on a SharePoint page. Some web parts support customization, such as configuring the web part or changing its appearance.