



Kofax Token Vault Installation Guide

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KOFAX

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Preface

This guide is intended for administrators who are responsible for installing and deploying Kofax Token Vault. To learn more about configuring Token Vault for use with cloud systems such as Microsoft 365, iManage Work, Google, Box, Dropbox or NetDocuments, refer to the documentation from the respective provider. The provider documentation will explain how to acquire tokens to communicate with the applicable cloud system.

Getting help with Kofax products

The [Kofax Knowledge Base](#) repository contains articles that are updated on a regular basis to keep you informed about Kofax products. We encourage you to use the Knowledge Base to obtain answers to your product questions.

To access the Kofax Knowledge Base, go to the [Kofax website](#) and select Support on the home page.

 The Kofax Knowledge Base is optimized for use with Google Chrome, Mozilla Firefox or Microsoft Edge.

The Kofax Knowledge Base provides:

- Powerful search capabilities to help you quickly locate the information you need.
Type your search terms or phrase into the **Search** box, and then click the search icon.
- Product information, configuration details and documentation, including release news.
Scroll through the Kofax Knowledge Base home page to locate a product family. Then click a product family name to view a list of related articles. Please note that some product families require a valid Kofax Portal login to view related articles.
- Access to the Kofax Customer Portal (for eligible customers).
Click the **Customer Support** link at the top of the page, and then click **Log in to the Customer Portal**.
- Access to the Kofax Partner Portal (for eligible partners).
Click the **Partner Support** link at the top of the page, and then click **Log in to the Partner Portal**.
- Access to Kofax support commitments, lifecycle policies, electronic fulfillment details, and self-service tools.
Scroll to the **General Support** section, click **Support Details**, and then select the appropriate tab.

Chapter 1

Install Token Vault

Token Vault is a web application hosted by a Windows service. It is used to manage and store authentication tokens, and provide them to other applications that interact with cloud systems. Token Vault also manages authorization provider registrations and user authorizations.

One Token Vault instance can serve several Token Vault clients, such as eCopy ShareScan connectors on different eCopy ShareScan servers.

Prerequisites

Before you install Token Vault, ensure that:

- You have Microsoft SQL Server 2014 or later installed and accessible
- Your system has the setup prerequisites installed:
 - Microsoft ASP.NET Core 3.1.19 - Shared Framework
 - Microsoft .NET Core Runtime - 3.1.19 (x64)
 - Microsoft .NET Framework 4.8 Setup
- You deploy Token Vault on a computer that is a member of a domain.

If any of these prerequisites are missing, the installer files are available from your Token Vault deployment package.

Perform a new installation on a clean system

1. Verify that you are performing installation with administrator privileges.
2. Run TokenVault3.6.exe.
The **Choose setup language** screen appears.
3. Select a preferred language (English by default) from the list, and click **Next**.
The **Welcome** screen appears.
4. Click **Next**.
The End-User License Agreement (EULA) is displayed on the License Agreement screen.
5. Accept the EULA and click **Next**.
The Destination Folder screen appears.
6. Accept the default destination folder, or click **Change** to specify another folder. Then click **Next**.

7. Specify service credentials for the Token Vault Service on the **Service Credentials** screen. Alternatively, you can select to use **LocalSystem** credentials.
Specifying service credentials is the recommended option so that you can use Windows or Azure Active Directory Integrated Authentication for the database connection.
Click **Next**. The **Installation Summary** screen appears.
8. Review the information and if you are satisfied with the configuration, click **Install**; otherwise, click **Back**.
9. When the **InstallShield Wizard Completed** screen appears, click on the link above the **Finish** button to open Token Vault configuration, and then click **Finish** to close the installation wizard.
The Token Vault Database Settings page appears in the browser to perform database configuration as the required initial configuration. If you have not clicked on the link described in [step 9](#), you should open Token Vault manually by entering the <http://localhost:8380> URL in your browser's address bar.
10. On the **Database Settings** page, click **Create New** to create a new Token Vault database. The **Create new database** page appears.
11. Specify the hostname or IP (and optionally, the instance name) of the SQL Server (**Server name**) that you are connecting to, along with the database **Catalog name**.
12. Under the **Admin credentials** group on the same page, select **Authentication type**, and specify the credentials (**User name** and **Password**) for database creation.
The following authentication types can be selected:
 - SQL Server Authentication
 - Windows Authentication
 - Azure Active Directory - Password
 - Azure Active Directory - Integrated


In case of "Windows Authentication" and "Azure Active Directory - Integrated" authentication types, the User name must be specified in DOMAIN\USERNAME format.

The credentials specified are only used during database creation to run the Token Vault SQL scripts on the selected database.

13. Under the **Runtime credentials** group on the same page, you can specify a runtime account for the configuration database.

You need to select an **Authentication type** to determine how the Token Vault service connects to the SQL Server database:


- Via **SQL Server Authentication**, you can specify an SQL user by entering its **User name** and **Password**.

 The specified user will be created on the SQL server if it does not exist.

- Via **Windows Authentication**, using the identity of the account running the Token Vault Windows service.
- Via **Azure Active Directory - Password**, you can specify an existing Azure Active Directory user by entering its **User name** and **Password**.
Select this option only when you specify an Azure SQL server.
- Via **Azure Active Directory - Integrated**, using the identity of the account running the Token Vault Windows service.
Select this option only when you specify an Azure SQL server, and your local Active Directory is synchronized with Azure Active Directory.

The Token Vault service uses these credentials only for runtime connection to the SQL Server.

14. Click **Create & Save** to create the database with the specified parameters, and save the database configuration.

 If you specified an Azure SQL server, the Token Vault database must be created manually, and only the user and other database objects (such as SQL tables and indices, etc.) will be created when you click **Create & Save**.

15. Click **Restart service** to restart Token Vault Windows service and use the new database.

Upgrade Token Vault

If you have Token Vault version 2.x, 3.0, or 3.5 installed already, perform the following steps to upgrade to the current version.

1. Run TokenVault3.6.exe.
The installer automatically detects the earlier version.
The **Choose setup language** screen appears.
2. Select a preferred language (English by default) from the list, and then click **Next**.
The **Welcome** screen appears.
3. Click **Next**.
The End-User License Agreement (EULA) is displayed on the **License Agreement** screen.
4. Accept the EULA, and then click **Next**.
The **Destination Folder** screen appears.
5. Accept the default destination folder, or click **Change** to specify another folder. Then click **Next**.

6. Specify the service credentials for the Token Vault service on the **Service Credentials** screen. Alternatively, you can select to use **LocalSystem** credentials.

Specifying service credentials is the recommended option so that you can use Windows or Azure Active Directory Integrated Authentication for the database connection.

7. Click **Next**.

The **Installation Summary** screen appears.

8. Review the information, and if you are satisfied with the configuration, click **Install**. Otherwise, click **Back**.

9. When the **InstallShield Wizard Completed** screen appears, click on the link above the **Finish** button to open Token Vault configuration, and then click **Finish** to close the installation wizard.

The Token Vault **Database Settings** page appears in the browser to perform database configuration as the required initial configuration. If you have not clicked on the link described in [step 9](#), you should open Token Vault manually by entering the <http://localhost:8380> URL in your browser's address bar.

The **Database Settings** page displays the current Token Vault database connection parameters and shows that the current Token Vault database is outdated.

10. Click **Upgrade** on this page to upgrade the database.

The **Upgrade database** page appears displaying the **Database parameters** and the **Runtime credentials**.

11. Under the **Admin credentials** group, select **Authentication type**, and then specify the credentials (**User name** and **Password**) for database upgrade.

The following authentication types can be selected:

- SQL Server Authentication
- Windows Authentication
- Azure Active Directory - Password
- Azure Active Directory - Integrated

In case of "Windows Authentication" and "Azure Active Directory - Integrated" authentication types, the User name must be specified in DOMAIN\USERNAME format.

The credentials specified are only used during database upgrade to run the Token Vault SQL scripts on the selected database.

12. Click **Upgrade** to upgrade the database.

13. Click **Restart service** to restart Token Vault Windows service and use the upgraded database.

❗ Upgrade from Token Vault 1.x is not supported.

Chapter 2

Configuration settings

Token Vault configuration settings are stored in the appsettings.json file. This file is located in the <Common Application Data folder> for Token Vault, such as `C:\ProgramData\Kofax\TokenVault`.

From this version, you do not need to modify this appsettings.json file manually to change the behavior of Token Vault. All Token Vault configuration settings can be configured on the Token Vault administrator's UI. To modify Token Vault configuration settings, log in with your Token Vault administrator credentials and click **Settings** on the left, and then select the setting category to be configured from the options that appear.

These setting categories include:

- Server settings
- Database settings
- Authentication settings
- Logging settings

By default, when the administrator clicks **Settings** on the left, the **Database settings** page appears.

To be able to save the configuration settings into the appsettings.json file and restart the Token Vault windows service by a Token Vault administrator user from the Token Vault UI, the user who runs the Token Vault windows service must have the following privileges:

- Read and Write permission on the <Common Application Data>\Kofax\TokenVault folder (typically `C:\ProgramData\Kofax\TokenVault`)
- 'Start service', 'Stop service' and 'Pause/Continue service' permissions on the Token Vault Windows service

The installer sets these permissions automatically, but when changing the user who runs Token Vault Windows service, these permissions must be set manually.

When the Token Vault is not usable for configuration issues, Token Vault opens in maintenance mode and only configuration settings pages are available. A red triangle-shaped icon with exclamation mark indicates the setting page(s) where the Token Vault administrator must take actions to make Token Vault usable.

In maintenance mode, Token Vault web application is accessible only from the Token Vault server machine using either the <http://localhost:8380> URL or the <https://localhost:8381> URL (the ports vary according to your configuration). If other users open Token Vault in a browser from their machine, an error page appears with the Site is temporarily unavailable error message.

The most frequent conditions when Token Vault starts in maintenance mode can be listed as below:

- Immediately after a clean installation, since the database connection parameters are missing.
- Immediately after an upgrade installation, since the database is required to upgrade.

- If the database is inaccessible due to any reasons.
- If HTTPS certificate configured for Token Vault has been expired or has been removed from the Certificate Store (Certificates (Local Computer)\Personal), or the user who runs the Token Vault Windows service has no privileges to use the private key of that certificate.

Server settings

On this setting page, server settings can be configured (such as port for HTTP and HTTPS protocols, HTTPS certificate thumbprint and proxy settings).

General settings (HTTP port)

Under this setting group, you can change the **Port** for HTTP protocol to a valid, available port. The default HTTP port for Token Vault is 8380. If you want to use Token Vault with HTTP protocol the **HTTPS certificate thumbprint** must be blank under **HTTPS settings** group.

❗ We highly recommend that you use HTTPS protocol.

HTTPS settings

Under this setting group, you can enable HTTPS protocol and configure related settings:

1. Set **HTTPS port** to a valid, available port. The default port is 8381.
2. Set HTTPS certificate thumbprint to the thumbprint of the certificate that you want to use for your Token Vault instance.

Requirements for the certificate:

- *Issued to* or *Subject* property must be the fully qualified name of the computer where the Token Vault is installed.
- Must be stored in the Local Computer store: Certificates (Local Computer)\Personal.
- The user account of the Windows service running Token Vault must have privileges to use the private key of the certificate.

Proxy settings

Under this setting group, you can override the system proxy settings and specify a proxy server for Token Vault.

1. Change **Override system proxy settings** value to **Yes**.
2. Enter your **Proxy server address** and your **Proxy server port**, and specify a user credentials for your proxy server (**Username, Password, Domain**).

When you configured the server settings, click **Save** to save your changes. These changes will not have any effect until Token Vault service restarts.

To restart Token Vault service and apply your configuration changes, click **Restart service** at the bottom on this page. After the service restarts, you might be required to manually refresh the Token Vault page in the browser.


Database settings

On this setting page, you can verify the Token Vault database status and configure the database connection parameters.

To modify the database connection parameters, do the following:

1. Click **Configure**.
The **Configure database connection** page appears.
2. Specify the hostname or IP (and optionally, the instance name) of the SQL Server (**Server name**) that you are connecting to, along with the database **Catalog name**.
3. Under the **Runtime credentials** group on the same page, you can specify a runtime account for the Token Vault database.
You need to select the **Authentication type** to determine how the Token Vault service connects to the SQL Server database:
 - Via **SQL Server Authentication**, you can specify an SQL user by entering its **User name** and **Password**.
 - Via **Windows Authentication**, using the identity of the account running the Token Vault Windows service.
 - Via **Azure Active Directory - Password**, you can specify an existing Azure Active Directory user by entering its **User name** and **Password**.
Select this option only when you specify an Azure SQL server.
 - Via **Azure Active Directory - Integrated**, using the identity of the account running the Token Vault Windows service.
Select this option only when you specify an Azure SQL server, and your local Active Directory is synchronized with Azure Active Directory.

The Token Vault service uses these credentials only for runtime connection to the SQL Server.

 We highly recommend that you use Windows or Azure Integrated Authentication for Token Vault database connection.

4. Click **Verify & Save** to save the database configuration settings.
The **Database settings** page appears displaying the Token Vault database status and the new database connection parameters.
If you configure an earlier version of a Token Vault database, the **Database settings** page shows that the database is outdated, and it cannot be used with this Token Vault version.
To upgrade this database so that it is usable with this Token Vault version, continue with the following steps.
5. Click **Upgrade** on this page.
The **Upgrade database** page appears displaying the **Database parameters** and **Runtime credentials**.

6. Under the **Admin credentials** group, select the **Authentication type** and specify the credentials (**User name** and **Password**) for the database upgrade.

The following authentication types can be selected:

- SQL Server Authentication
- Windows Authentication
- Azure Active Directory - Password
- Azure Active Directory - Integrated

In case of "Windows Authentication" and "Azure Active Directory - Integrated" authentication types, the User name must be specified in DOMAIN\USERNAME format.

The credentials specified are only used during database upgrade to run the Token Vault SQL scripts on the selected database.

7. Click **Upgrade** to upgrade the selected database.
8. Click **Restart service** to restart the Token Vault Windows service and use the newly configured database.

⚠ Before you configure another database, which was used by another Token Vault configured with HTTPS protocol earlier, the sensitive data in the database must be re-encrypted manually in order for the database to be usable on this Token Vault machine. To perform the re-encryption, see the **Encrypt sensitive data manually** section below.

Encrypt sensitive data manually:

If the other Token Vault machine is still usable:

1. On the other Token Vault machine, open a Command prompt window as the user who runs the Kofax Token Vault Windows service.

If this user is LocalSystem, then open a Command prompt window as such a user who has privileges to use the private key of the certificate whose thumbprint is configured as the HTTPS certificate thumbprint on the Token Vault General Settings page.

2. Navigate to the Token Vault installation folder.

3. Run the following command:

```
tokenvault.exe cert update old:<old certificate thumbprint>
```

where <old certificate thumbprint> is the configured certificate thumbprint.

4. Restart the Kofax Token Vault Service.

Now, the encryption of sensitive data in the database is not certificate-based.

The following steps are required only if this Token Vault is configured with HTTPS protocol, after the database is configured successfully, and it is alive and up-to-date.

5. On this Token Vault machine, open a Command prompt window as the user who runs the Kofax Token Vault Windows service.

If this user is LocalSystem then open a Command prompt window as such a user who has privileges to use the private key of the certificate whose thumbprint is configured as the HTTPS certificate thumbprint on the Token Vault General Settings page.

6. Navigate to the Token Vault installation folder.

7. Run the following command:

```
tokenvault.exe cert update new:<new certificate thumbprint>
```

where <new certificate thumbprint> is the HTTPS certificate thumbprint that is configured on the General Settings page.

8. Restart the Kofax Token Vault Service.

If the other Token Vault machine is no longer usable:

1. On this Token Vault machine, import the certificate earlier used by the other Token Vault machine into the Local Computer store (Certificates (Local Computer)\Personal).
2. Add permission to the user account of the Windows service running Token Vault to use the private key of the imported certificate.
3. Open a Command prompt window as the user who runs the Kofax Token Vault Windows service.

If this user is LocalSystem, then open a Command prompt window as such a user who has privileges to use the private key of both the imported certificate and the certificate whose thumbprint is configured as the HTTPS certificate thumbprint on the Token Vault General Settings page.

4. Navigate to the Token Vault installation folder.

5. Run the following command:

```
tokenvault.exe cert update old:<old certificate thumbprint> new:<new certificate thumbprint>
```

where:

- <old certificate thumbprint> is the thumbprint of the imported certificate, and
- <new certificate thumbprint> is the HTTPS certificate thumbprint that is configured on the General Settings page.

6. Restart the Kofax Token Vault Windows service.

Authentication settings

On this setting page, you can configure the authentication methods and Azure Active Directory-related settings.

The **Active Directory Type** setting value determines what kind of users can log in to Token Vault.

The possible values of this configuration setting include:

- **On-premises:** Only users of an on-premises Active Directory can log in to Token Vault. This is the default value and can be configured only when the Token Vault server machine is a member of any domain.
- **Azure & on-premises:** Both on-premises Active Directory and Azure Active Directory users can log in to Token Vault.
- **Azure:** Only Azure Active Directory users can log in to Token Vault.

❗ **Azure** and **Azure & on-premises** values can be configured only when Token Vault is configured with HTTPS.

Allowing Azure Active Directory users to log in to Token Vault

To allow Azure Active Directory users to log in to Token Vault, the following two tasks must be completed:

1. Register an application at the Microsoft Identity Platform (Azure Active Directory) admin center associated with your Microsoft 365 subscription.
2. Configure Azure Active Directory settings on Token Vault Authentication settings page accordingly.

Register an application at the Microsoft Identity Platform (Azure Active Directory) admin center

To register an application for Token Vault to allow Azure Active Directory users to log in, you need to specify certain properties of this Azure Active Directory application (Application (client ID), Client secret and Redirect URI). To perform this, do the following.

1. Navigate to <https://portal.azure.com>.
Your organization may use a national cloud because of data residency or compliance requirements. In this case, navigate to the corresponding national cloud Azure AD portal endpoint instead.
 - <https://portal.azure.us> - for Azure AD for US Government.
 - <https://portal.microsoftazure.de> - for Azure AD Germany.
 - <https://portal.azure.cn> - for Azure AD China operated by 21Vianet.
2. Log in with an existing Microsoft 365 account.
3. Select **Azure Active Directory** in the left navigation pane.
4. Select **App registrations**.
The **App registrations** page appears.
5. Click the **New registration** button to register a new application.
The **Register an application** page opens.
6. Fill out the registration information of the application:
 - Specify a **Name** for the application.
 - Under **Supported account types**, select an account type.
While configuring Azure Active Directory settings in Token Vault, **Directory (tenant) ID** must be configured according to this application property.

- From the **Redirect URI (optional)** list, select **Web** type, and then enter the URI corresponding to your Token Vault configuration in the following format:

`https://<FQDN>:<port>/callback`

where:

- FQDN is the fully qualified domain name of the Token Vault machine.
- port is the value of the HTTPS Port setting on the Token Vault Server Settings page in case of https usage.

For example, `https://tokenvaultmachine.testdomain.com:8381/callback`.

i Token Vault must be configured with HTTPS for Azure Active Directory-based authentication. Otherwise, an error occurs when the user tries to sign in with Microsoft.

7. Click **Register**.

The new application is created with the specified name and a generated **Application (client) ID**, but the application does not have any certificate or secret yet.

8. Copy the **Application (client) ID** and the **Directory (tenant) ID** for later use. These are required for the configuration of Azure Active Directory settings in Token Vault.
9. Select **Authentication** in the left menu.

10. Click **Add URI** in the **Redirect URIs** on the right to configure the second Redirect URI for the application. Enter the URI corresponding to your Token Vault configuration in the following format:

`https://<FQDN>:<port>/signin-oidc`

where:

- FQDN is the fully qualified domain name of the Token Vault machine.
- port is the value of the HTTPS Port setting on the Token Vault Server Settings page in case of https usage.

For example, `https://tokenvaultmachine.testdomain.com:8381/signin-oidc`.

i Token Vault must be configured with HTTPS for Azure Active Directory-based authentication. Otherwise, an error occurs when the user tries to sign in with Microsoft.

11. Under **Implicit grant and hybrid flows**, select **Access tokens (used for implicit flows)** and **ID tokens (used for implicit and hybrid flows)**.
12. Click the **Save** button.
13. Select **Certificates & secrets** in the left menu.
14. Click the **New client secret** button in the right panel to generate a new client secret for the application.
15. Specify a **Description**, and then select the expiry option according to your policy requirements.
16. Click **Add**.

17. Copy the newly generated client secret value for later use.
This is another required application property for configuring Azure Active Directory settings in Token Vault.

! You can only copy the client secret at this point in the workflow. After you leave or refresh this page, you are not able to retrieve it. If you leave this page without copying the client secret value, you must repeat the corresponding steps above and create a new one.

18. Select **API permissions** in the left menu, and click **Add a permission** on the **API permissions** page.
19. Under the **Commonly used Microsoft APIs** group on the **Request API permissions** page, locate **Microsoft Graph**, and select it.
The Microsoft Graph API is displayed on the **Request API permissions** page.
20. Select **Delegated permissions**.
21. Locate the **User** permission group, and select the **User.ReadBasic.All** check box to allow login to Token Vault and search for Azure Active Directory users to add them as Token Vault administrator.
22. Locate the **Group** permission group, and select **Group.Read.All** check box to allow search for Azure Active Directory groups to add them as Token Vault administrator groups.
For this permission, admin consent is required.
23. Click **Add permissions**.
There might be a delay between permissions being configured and when they appear on the consent prompt.
24. If permissions are configured and displayed on the consent prompt, click **Grant admin consent for...** to allow this app to search for Azure Active Directory groups so that no consent screen appears at the Azure Active Directory user logins.

The application is now configured and has permissions to access Azure Active Directory users and groups.

Configure Azure Active Directory settings on Token Vault Authentication settings page

1. Select **Azure & on-premises** or **Azure** for **Active Directory Type**.
2. Enter your **Application (client) ID** and **Client Secret (value)** (provided by Microsoft Identity Platform (Azure Active Directory) during the application registration task).
3. Specify the **Directory (tenant) ID** according to the **Supported account types** property of the application registered at the Microsoft Identity Platform (Azure Active Directory) admin center:
 - Enter the **Directory (tenant) ID** of the application registered at the Microsoft Identity Platform (Azure Active Directory) when selected 'Accounts in this organizational directory only (<your tenant's name> only - Single tenant)' as **Supported account types** during application registration.
 - Enter **organizations** when selected 'Accounts in any organizational directory (Any Azure AD directory - Multitenant)' as **Supported account types** during the application registration at the Microsoft Identity Platform (Azure Active Directory) admin center.
 - Enter **common** when selected 'Accounts in any organizational directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)' as **Supported**

account types during the application registration at the Microsoft Identity Platform (Azure Active Directory) admin center.

4. Select the proper national cloud from the **National Cloud** list if your organization uses a national cloud due to data residency or compliance requirements. Otherwise, keep the default Azure AD (global service) value.
5. Click **Save** to save the authentication settings.
To validate the configuration settings, your browser will redirect you to the login page for the Microsoft Identity Platform (Azure Active Directory) where you must login as a Global Administrator, an Application Administrator, or a Cloud Application Administrator. If the user was already logged in to the Microsoft Identity Platform (Azure Active Directory), it is possible that no user interaction is needed for login.
6. Click **Restart service** at the bottom of this page to restart the Token Vault service and apply your configuration changes.

When the user is logged in with an on-premises Active Directory user in Token Vault and change the Active Directory type to "Azure" but the browser already has a signed-in Azure Active Directory user, then this Azure Active Directory user became the logged-on user in Token Vault automatically.

Active Directory types and login to Token Vault

When **On-premises** is configured as the **Active Directory Type**, login works as it worked in previous versions. To log in to Token Vault, on the Login page, you must enter your Windows **User name** in DOMAIN\USERNAME format and **Password**, and then click **Log in**.

When **Azure & On-premises** is configured as the **Active Directory Type**, a new **Sign-in with Microsoft** button is available on the Token Vault Login page. To log in to Token Vault with an Azure Active Directory user, you must click this button. Then the browser will redirect you to the login page for the Microsoft Identity Platform (Azure Active Directory) where you can complete the login process. After a successful login, the browser will direct you back to Token Vault displaying either the "Manage authorization providers" page (if the user is a Token Vault administrator) or the "Available authorization providers" page (otherwise). If you were already logged in to Microsoft Identity Platform (Azure Active Directory) in a different browser tab, and you click the **Sign-in with Microsoft** button, it is possible that no user interaction is needed for login.

To log in to Token Vault with an on-premises Active Directory user, you must enter your Windows **User name** in DOMAIN\USERNAME format and their **Password**, and then click **Log in**.

When **Azure** is configured as the **Active Directory Type**, Token Vault Login page does not appear when you open the Token Vault URL in a browser. The same will happen as if you would have clicked the **Sign-in with Microsoft** button on the Token Vault Login page at the Azure & On-premises setting but automatically.

Logging settings

On this setting page, logging-related settings can be configured.

The **Trace Level** setting value determines how detailed the Token Vault trace is.

The default value of this configuration setting is *Verbose*.

Other possible values are: *Error*, *Warning*, *Info*, and *Off*.

The **Log file preservation (in days)** setting value determines how many days a log file is preserved. A log file older than the number of days specified in this setting is deleted automatically.

After you modify any of these settings, click **Save** and then click **Restart service** for your changes to take effect.

Next steps

After you successfully install and configure Token Vault, you are ready to configure it for managing authorization providers for cloud systems such as Microsoft 365, iManage Work, Google, Box or Dropbox.

Chapter 3

Token Vault URL and functions

The URL required to access the Token Vault website depends on the configured value of HTTPS port or Port configuration settings.

Using HTTPS

`https://FQDN:port`

For example, `https://computername.mydomain.com:8381`.

FQDN is the Fully Qualified Domain Name of the computer where Token Vault is deployed.

Port is the port configured as the value of HTTPS port configuration setting.

Using HTTP

`http://FQDN:port`

For example, `http://computername.mydomain.com:8381`.

FQDN is the Fully Qualified Domain Name of the computer where Token Vault is deployed.

Port is the port configured as the value of Port configuration setting

! We highly recommend that you use HTTPS. When HTTPS is used, all requests arriving to the HTTP port will be redirected to HTTPS.

Certain Token Vault functions can be accessed only by administrators:

- Register and manage Token Vault authorization providers for cloud systems, such as Microsoft 365, iManage Work, Google, Box, Dropbox or NetDocuments
- Manage Token Vault administrators
- Manage tokens by users and Token Vault authorization providers
- Manage Token Vault configuration settings (Server, Database, Authentication and Logging)

i The first user who logs into the Token Vault website automatically becomes the Token Vault administrator.

End-users who are not Token Vault administrator can access only the **Available authorization providers** page in Token Vault. They can authorize configured Token Vault authorization providers in a cloud system, such as Microsoft 365, iManage Work, Google, Box, Dropbox or NetDocuments to use related applications in eCopy AutoStore, such as eCopy ShareScan Exchange connectors SharePoint component configured with modern authentication. These applications interact with Token Vault and get access tokens for communication with the cloud systems.