THALES

SafeNet eToken FIDO

STARTING AND USER GUIDE

Document Information

Product Name/Version	SafeNet eToken Fusion
Release Date	21 March 2025

Revision History

Revision	Date	Reason
Rev. A	21 March 2025	Initial Release

CONTENTS

CHAPTER 1: Overview

What is SafeNet eToken FIDO?

SafeNet eToken FIDO is designed for FIDO based applications and offers perfect integration with native support from the Microsoft environments and mobile with USB-C connector.

The devices embed a FIDO applet compliant with Fast IDentity Online 2.0 (FIDO2) standard and offers passwordless access for cloud apps, network domains and all Azure AD-connected apps and services.

Passwordless authentication replaces passwords with other methods of identity improving the levels of assurance and convenience. This type of authentication has gained traction because of its considerable benefits in easing the login experience for users and surmounting the inherent vulnerabilities of text-based passwords. These advantages include less friction, a higher level of security that’s offered for each app and the elimination of the legacy password.

CHAPTER 2: Using FIDO 2.0 with SafeNet eToken FIDO

This section describes how to initialize, register, authenticate, and perform more operations on SafeNet eToken FIDO.

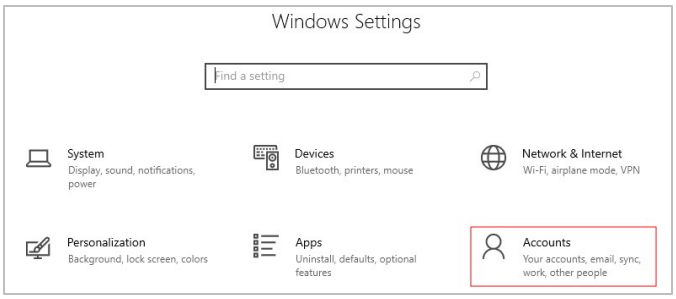
Initialization

Perform the following steps to initialize a device:

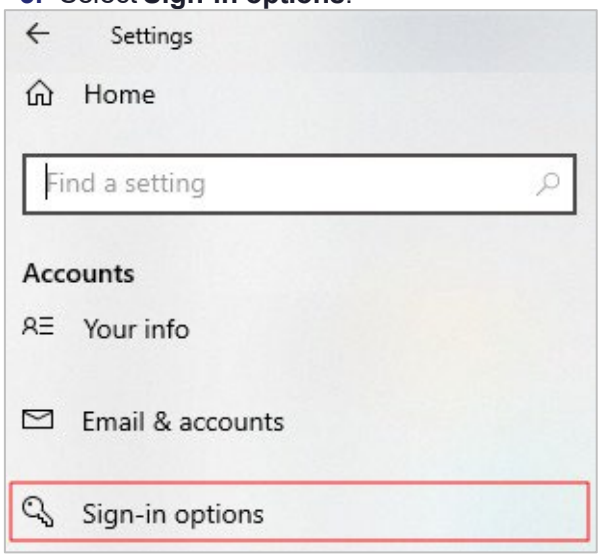
Add a PIN

To add a PIN to a security key:

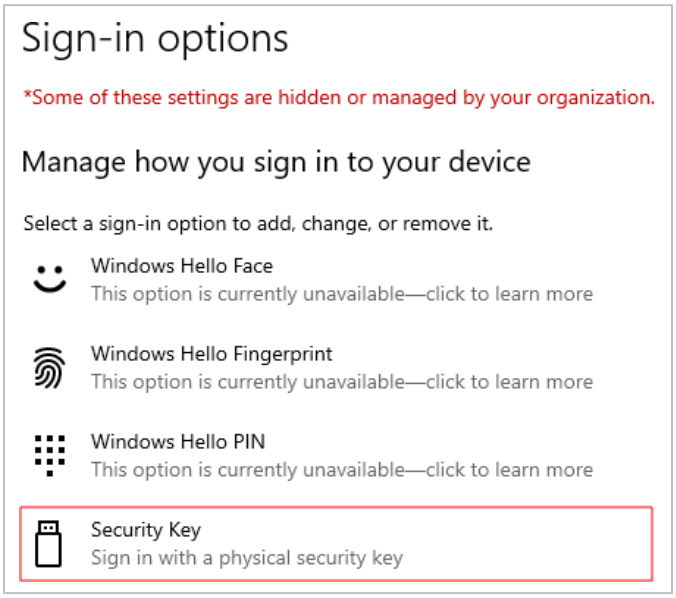
1. On your Windows computer, select **Start** > **Settings**.
2. Select **Accounts**.



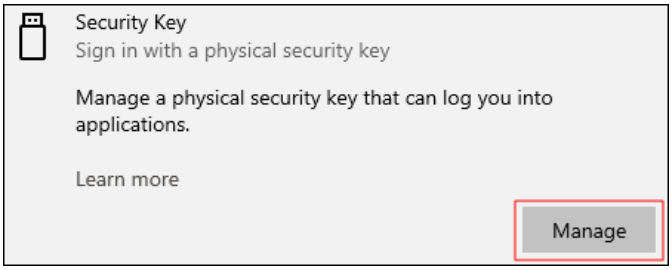
3. Select **Sign-in options**.



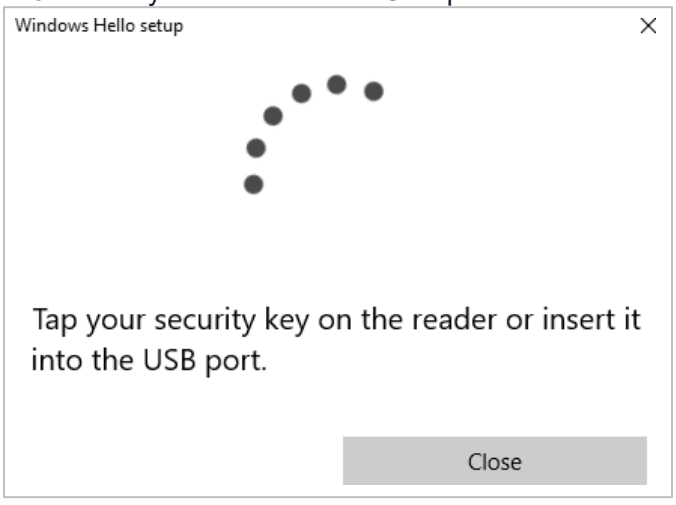
4. Select **Security Key.**



5. Select **Manage**.



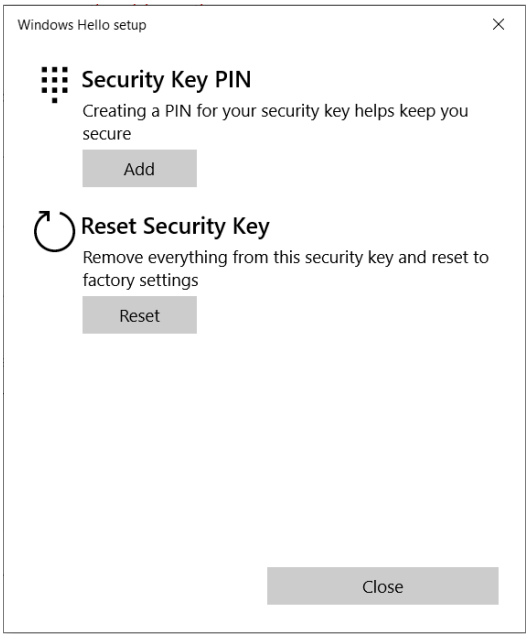
6. Insert your token into the USB port.



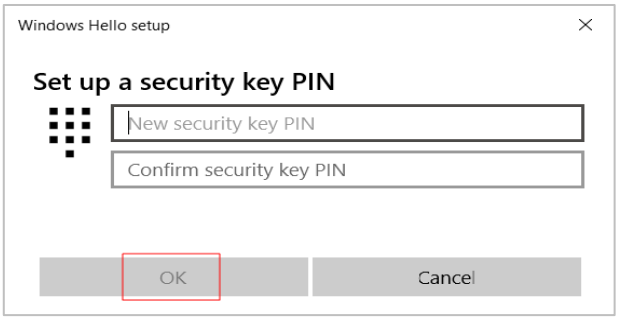
1. Insert the security key in the USB port.

2. Tap the key when the LED light is on

7. Select **Add**, located under the Security Key PIN option.
8.



9. Enter a security key PIN and then re-enter it in the fields provided.
10. Select **OK**.



Before you can use the token, you must register it on the protected website you want to access.

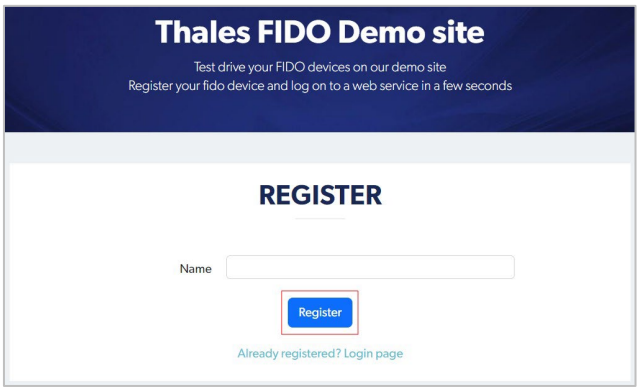
CHAPTER 3: Registration

To register a device:

1. Go to: https://fido.demo.gemalto.com/.

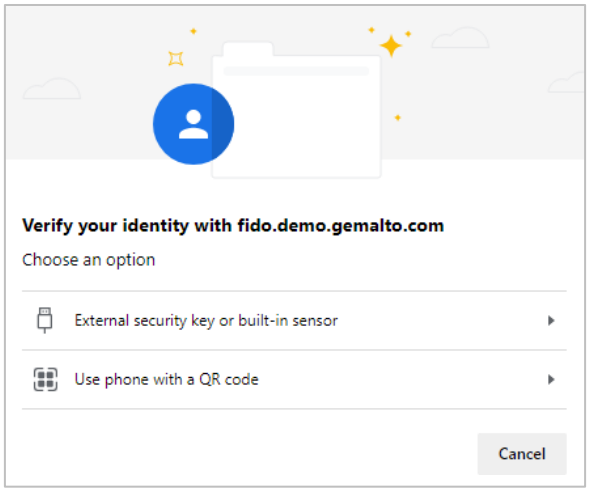
> **NOTE** This site is used as an example, only. To authenticate using a FIDO-compatible method on a supported website, refer to the website's help section for detailed instructions.

2. Select **Register Now**.
3. Enter your name in the field provided and then select **Register**.

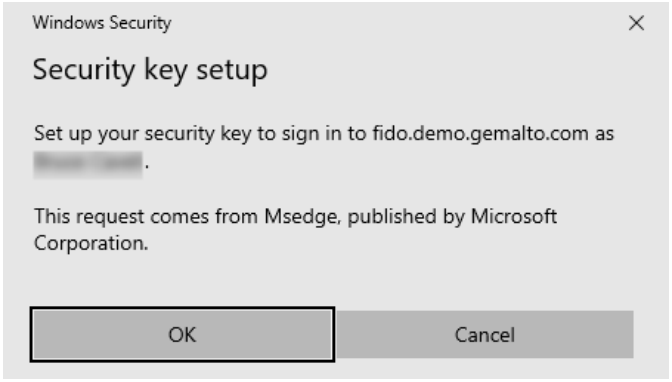


- Select **External security key or built-in sensor**.

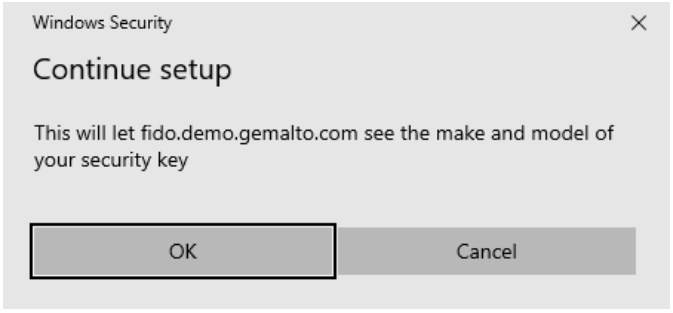
> **NOTE** The **Use phone with a QR code** option is not supported by this product.



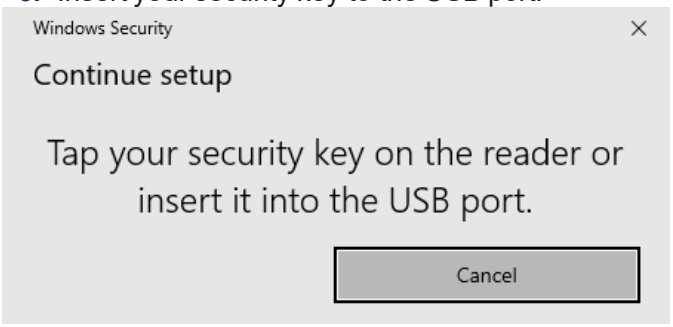
4. Select **OK**.



5. Select **OK**.



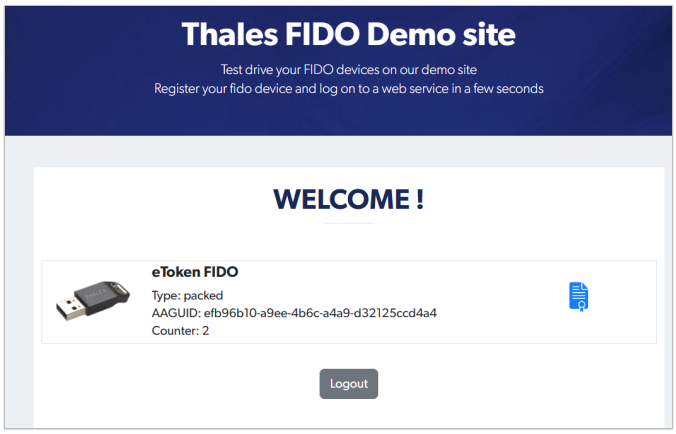
6. Insert your security key to the USB port.



7. Insert the PIN

8. Touch the security key once requested.

The welcome screen displays, and your token is now accessible.



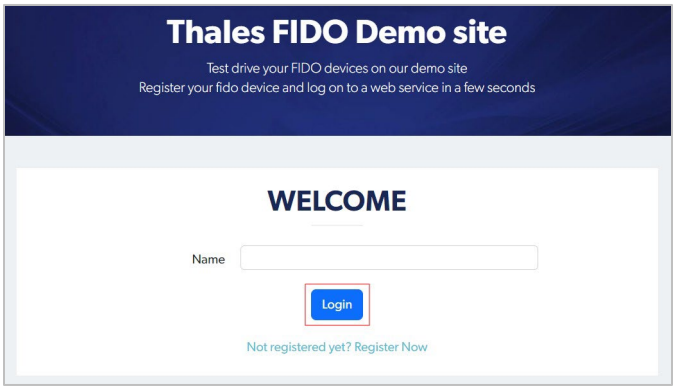
CHAPTER 4: Authentication

To authenticate with a device:

1. Go to: https://fido.demo.gemalto.com/.

NOTE This site is used as an example, only. To authenticate using a FIDO-compatible method on a supported website, refer to the website's help section for detailed instructions.

2. Enter the name that you used during "Initialization" and then select **Login**.

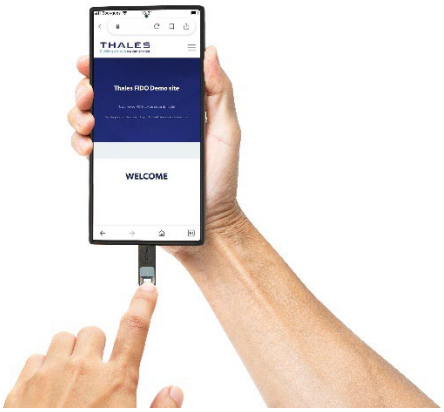


A Windows Security pop-up displays to authenticate the user.

3. Insert your device into the USB port.

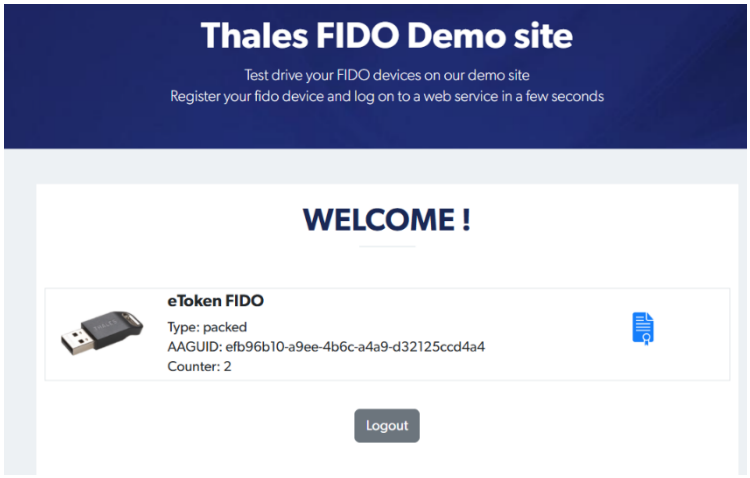
4. Insert the PIN.
5. Touch the security key once requested.

On a PC, tap the security key while it is inserted to complete authentication.



On a mobile device, tap the security key while it is connected to complete authentication.

You now have access to the site.

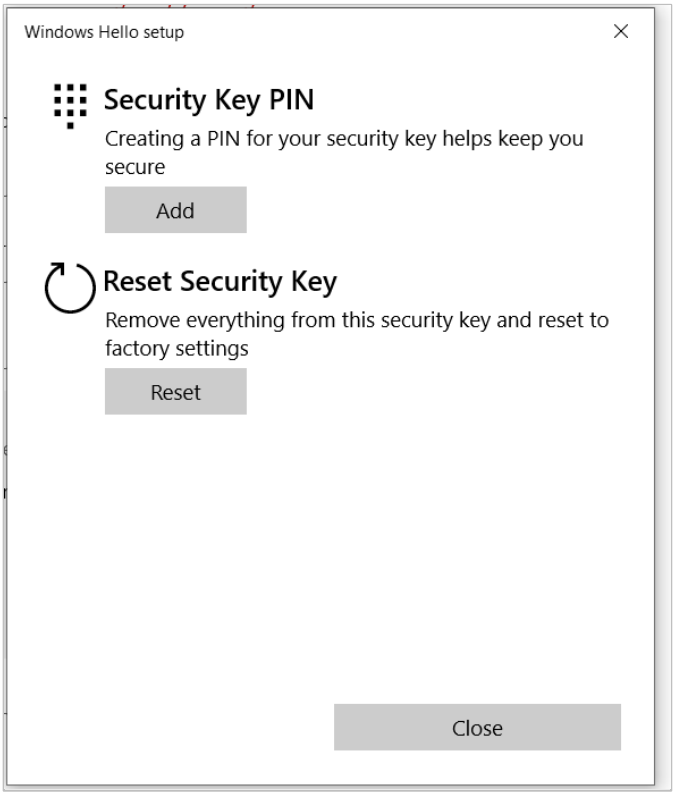


CHAPTER 5: Reinitialization

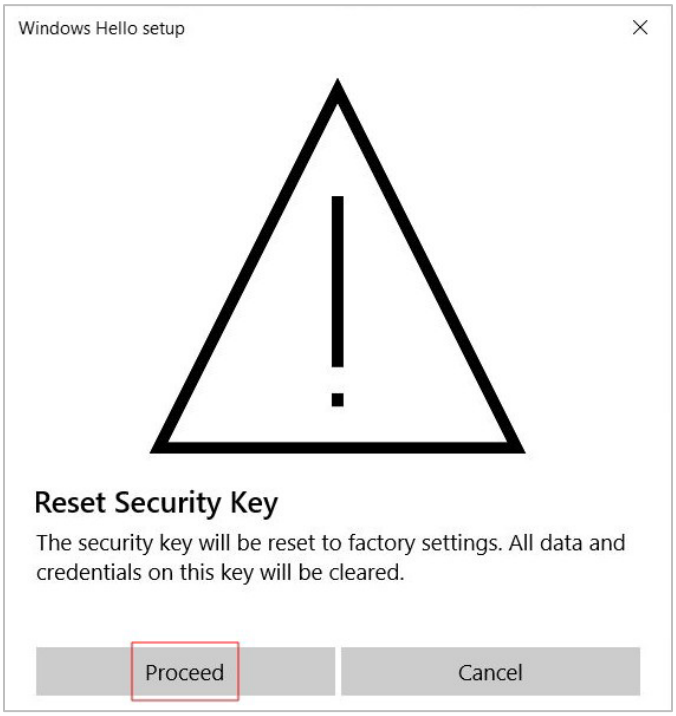
****WARNING** This is a destructive procedure. All data and credentials previously created with the security key will be lost.**

To reinitialize a device:

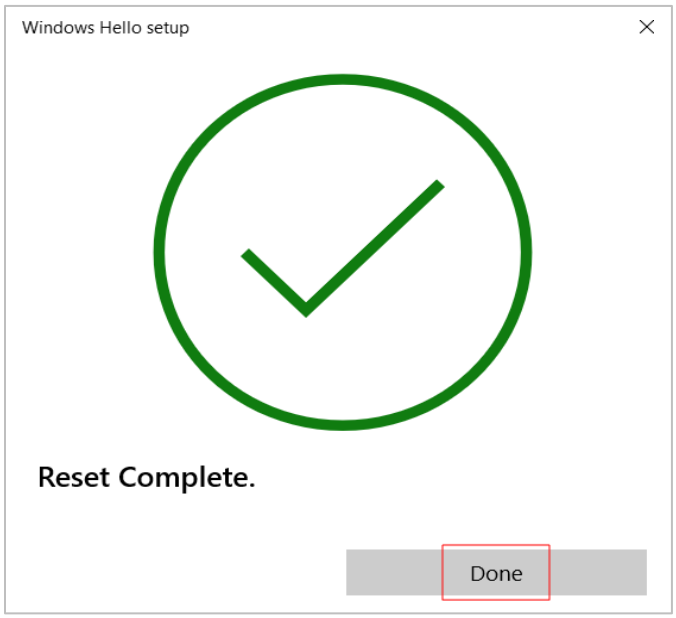
1. Perform steps 1 to 4 of "Initialization of the device".
2. Select **Reset**.



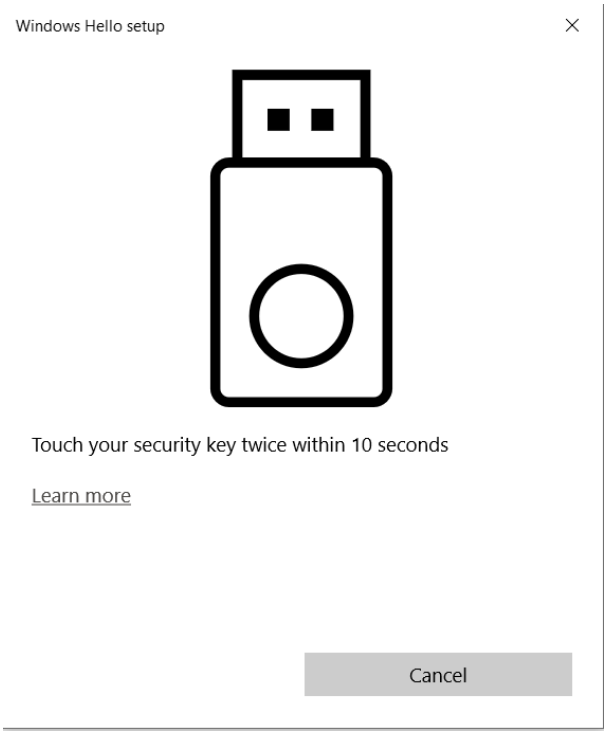
A message warns about resetting to factory settings.



3. Select **Proceed**



4. Remove and insert your security key into the port.
5. to complete the reset operation, touch the token twice once requested.



6. Select **Done**.
7. To re-initialize the security key, go to "Initialization".

CHAPTER 6: FIDO on a Microsoft 365 Account

This section describes how to initialize, register, and authenticate eToken FIDO on a Microsoft 365 Account.

Initialization

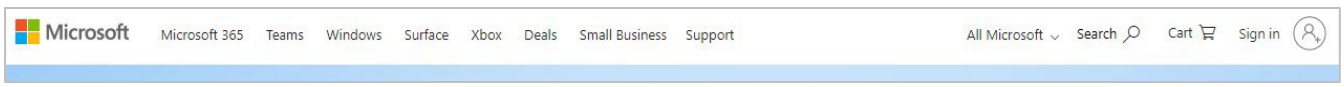
To initialize a device:

1. Add a PIN to a device, see "Add a pin".

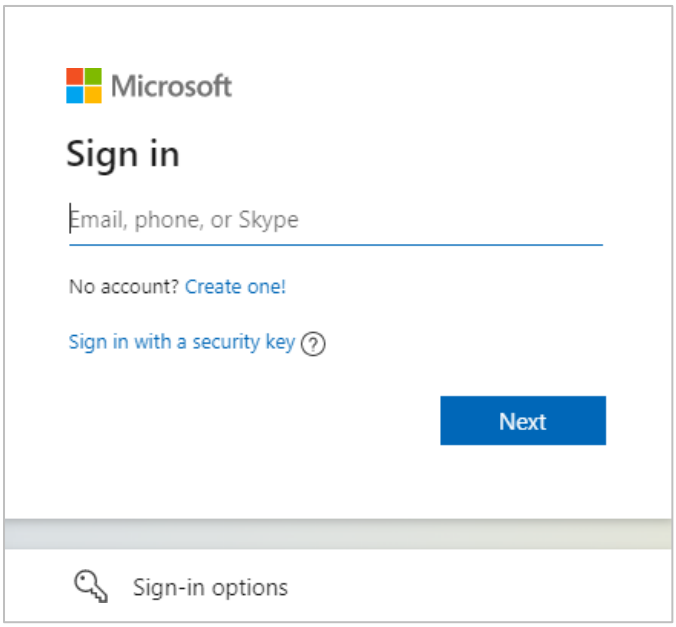
To register a device on Microsoft:

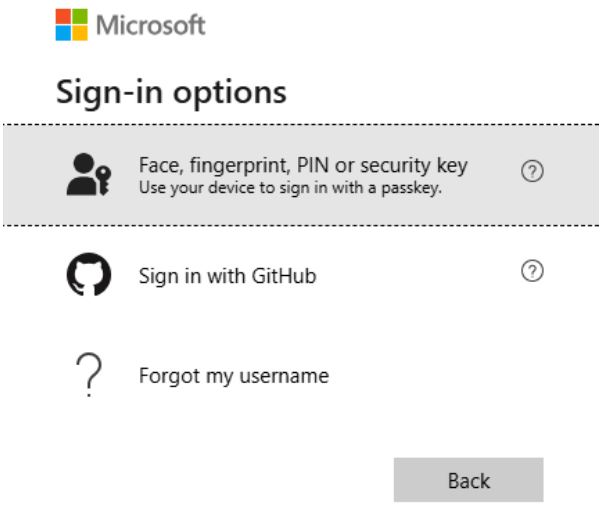
Scenario 1

1. Go to https://www.microsoft.com and then select **Sign in** at the top-right of the page.



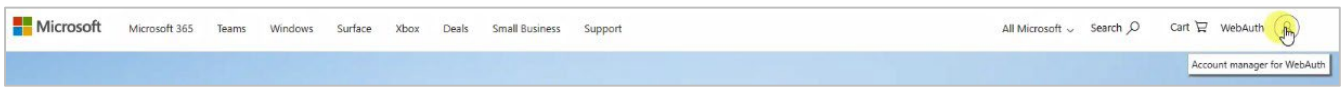
2. Select your preferred Sign-in option.



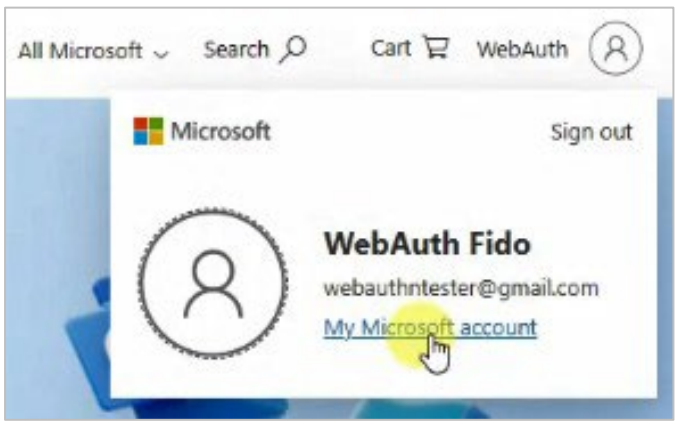


Scenario 2

1. Go to https://www.microsoft.com and select **WebAuth** at the top-right of the page.

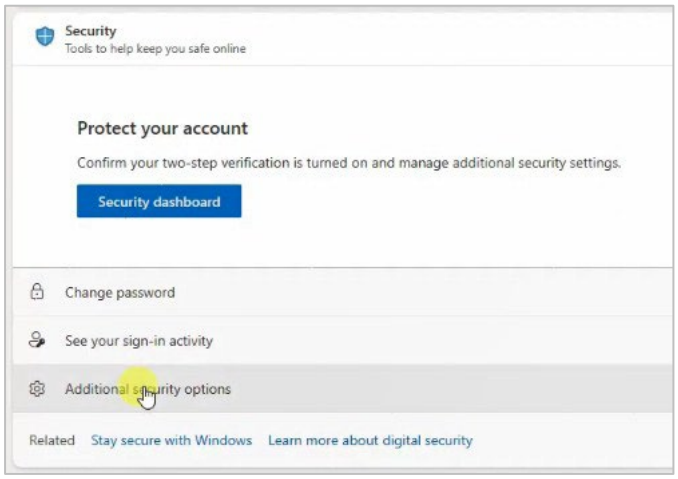


2. Select **My Microsoft account**.



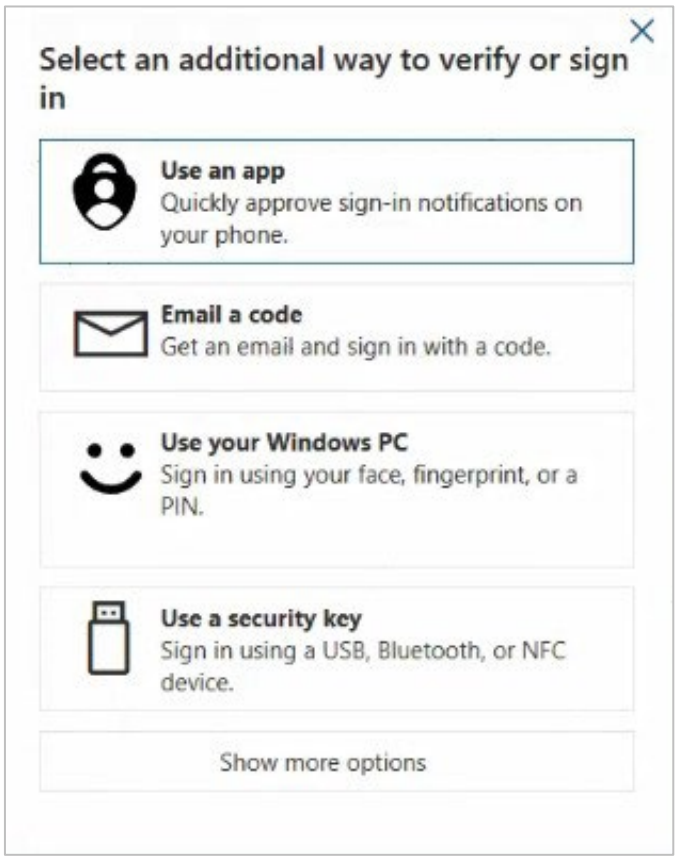
3. Select **Security**.

4. Select **Additional security options**.

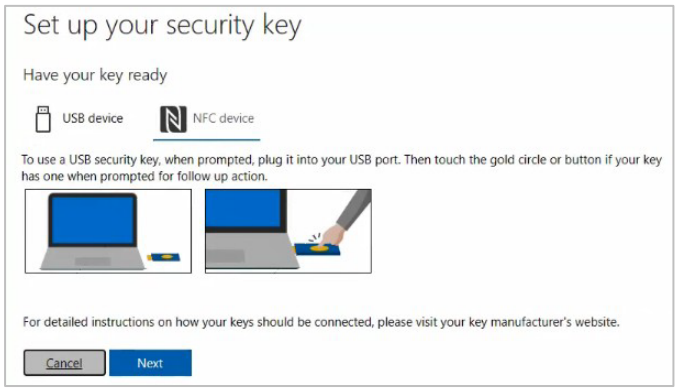


5. Select **Add a new way to sign in or verify.**

6. Select **Use a security key**.



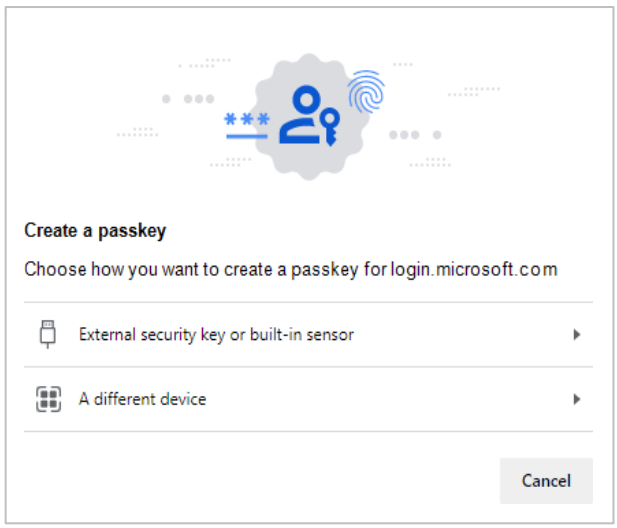
7. Select **USB device** and then select **Next**.



The following screen displays in the background during the set-up procedure.

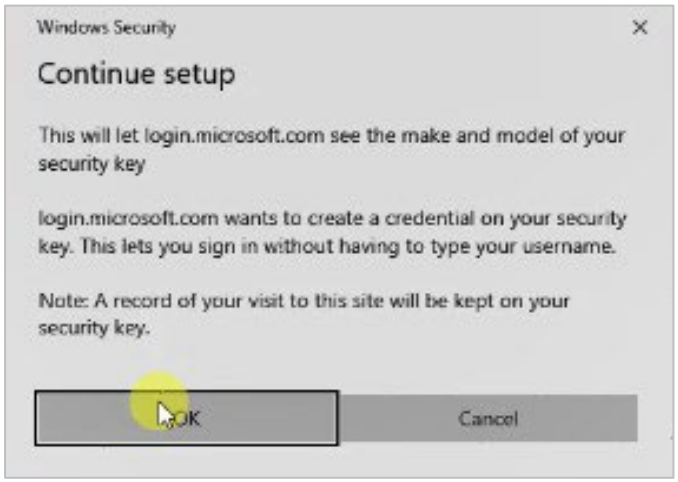
8. **Select External security key or built-in sensor.**

> **NOTE** This option displays only if you do not provide the security key within the allotted time. This could occur if, for example, you do not have a smart card reader.



9. Select **OK**.

10. Select **OK**.



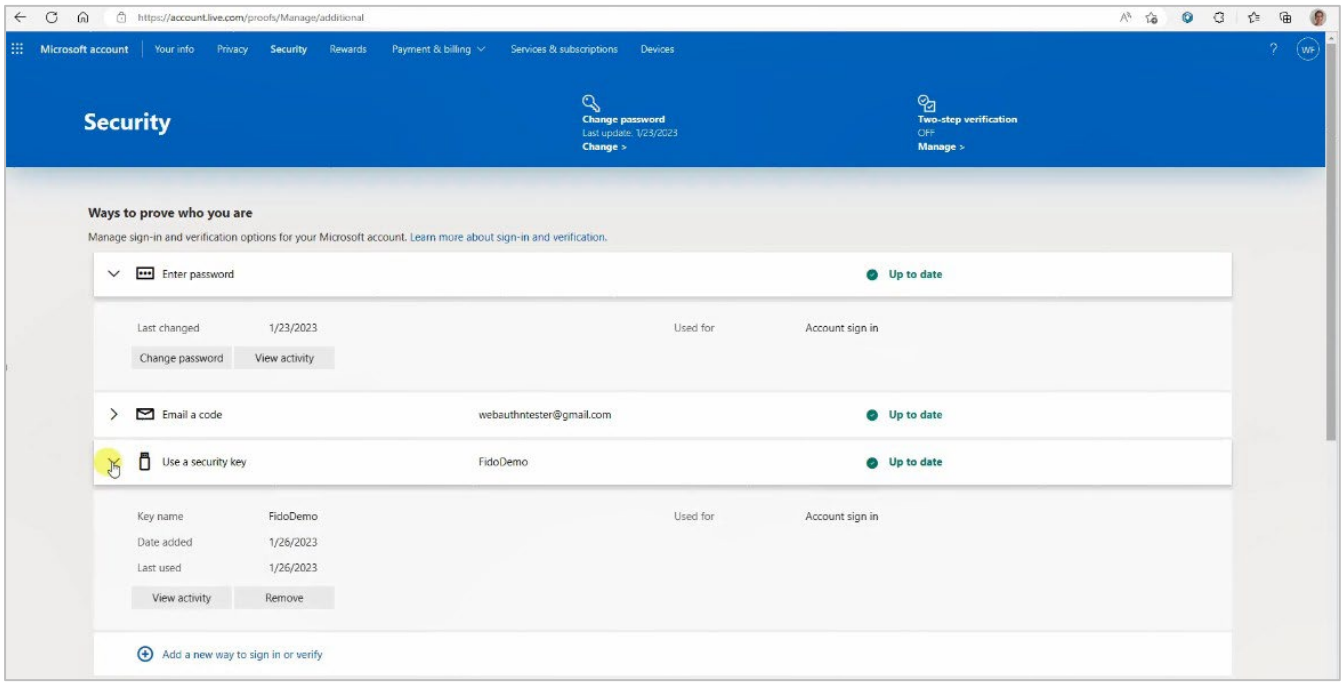
11. Insert your security key into the USB port.

12. Enter a name for your security key and then select **Next**.

13. Select **Got it**.

You can now use your security key to sign in.

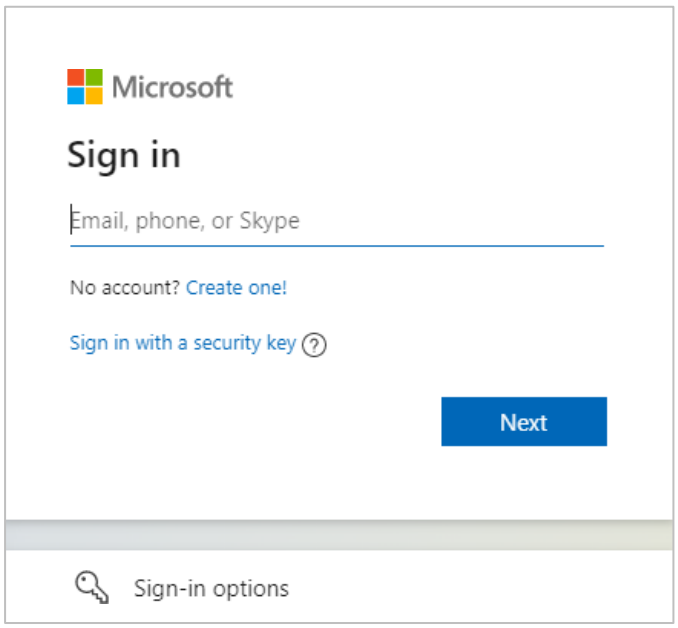
Your security key is listed, as shown in the following screenshot.



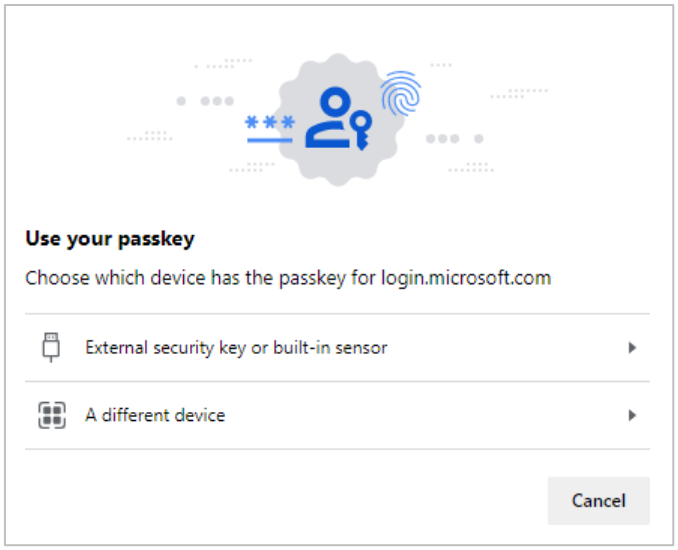
Authentication with a device

To authenticate with a device on a Microsoft site:

1. Go to the Microsoft site and then select **Sign in with a security key**.



2. Select **External security key or built-in sensor**.



3. Insert your device into the USB port.

4. Select your sign-in preference.

You now have access to the Microsoft website.

CHAPTER 7: FIDO on Android

This section describes how to initialize, register, authenticate, and perform more operations on the SafeNet eToken FIDO on Android.

Before, please make sure 'FIDO Key Manager' (FKM) application is installed on your Android device.

Initialization

Perform the following steps to initialize an eToken FIDO:

Add a PIN

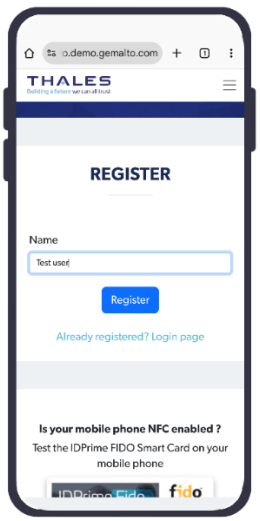
To add a PIN please follow the detailed steps in PIN Management

To register a device:

1. Go to: https://fido.demo.gemalto.com/.

> **NOTE** This site is used as an example, only.

2. Select **Register Now**.
3. Enter your name in the field provided and then select **Register**.

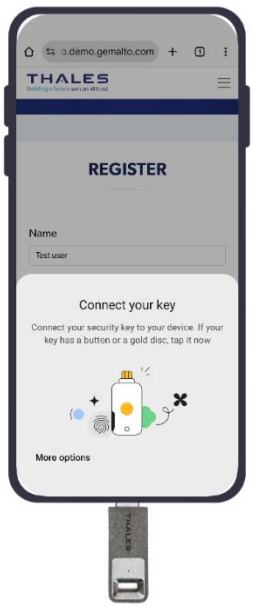


- Select **External security key or built-in sensor**.

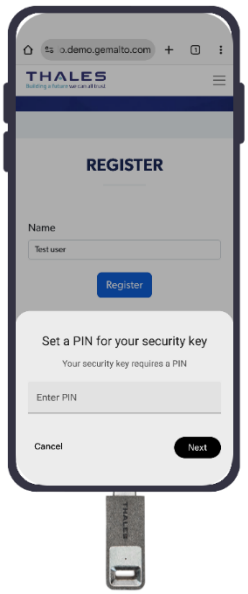
NOTE This option displays only if you do not provide the security key within the allotted time. This could occur if, for example, you do not have a smart card reader.

NOTE The **Use phone with a QR code** option is not supported by this product.

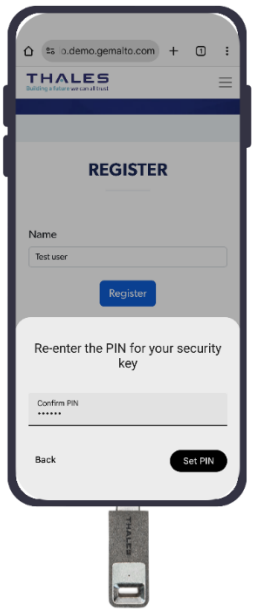
4. Insert your key.



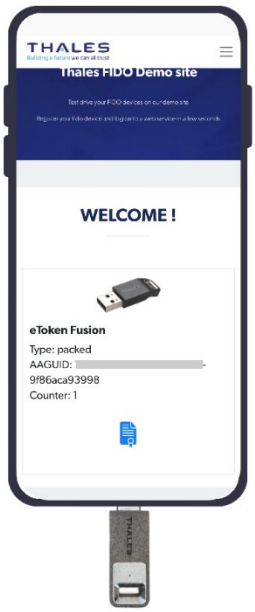
5. Set up the PIN.



6. Re-enter the PIN



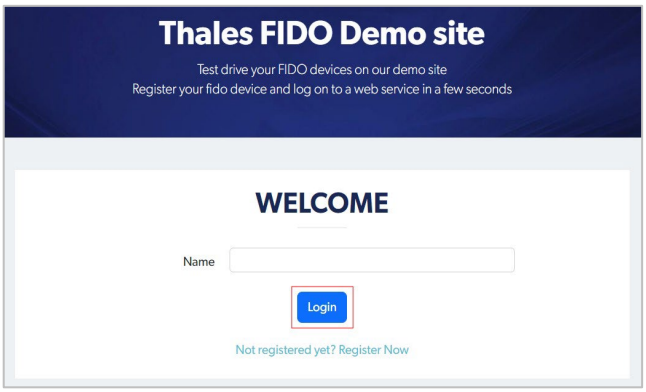
7. The welcome screen displays, and your token is now accessible.



Authentication with a device

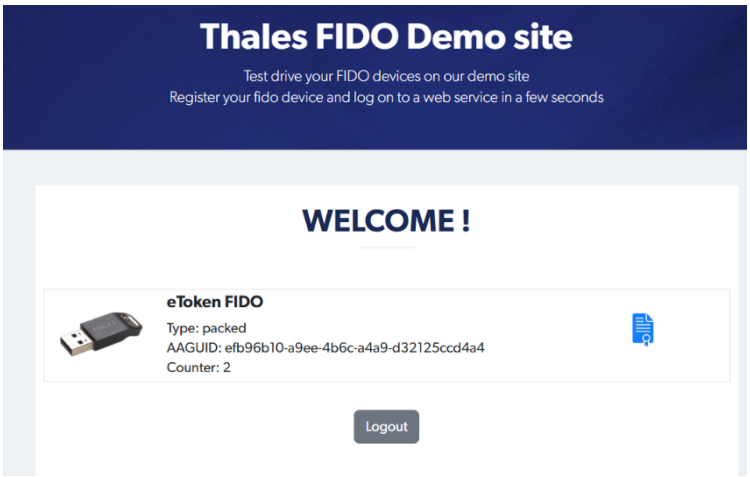
NOTE This site is used as an example, only. To authenticate using a FIDO-compatible method on a supported website, refer to the website's help section for detailed instructions.

1. Go to: https://fido.demo.gemalto.com/.
2. Enter the name that you used during "Registration" and then select **Login**.



A Windows Security pop-up displays to authenticate the user.

3. Insert your device to the USB-C port on your mobile.



You now have access to the site.

CHAPTER 8: Technical Specifications

Product Characteristics

CHARACTERISTICS	DESCRIPTION
MEMORY	52K
STANDARDS	API and Standards Support: > FIDO 2.0 and U2F
OPERATING SYSTEMS	> FIDO: Supported in Windows 10 and other FIDO compliant operating systems. > PKI: Windows Server 2008/R2, Windows Server 2012 and 2012 R2, Windows 7, Windows 8 > Windows 10, Windows 11, Mac OS, Linux
DIMENSIONS	> USB-A: 16mm*8mm*40.5mm > USB-C: 12mm*6.5mm*38mm
OPERATING TEMPERATURE	0° C to 70° C (32° F to 158° F)
STORAGE TEMPERATURE	-40° C to 85° C (-40° F to 185° F)
HUMIDITY RATING	0-100% without condensation
WATER RESISTANCE CERTIFICATION	IP X7 – IEC 529
USB CONNECTOR	> USB type A and USB type C supports USB 1.1 and 2.0 (full speed)
CASING	Hard molded plastic, tamper evident
MEMORY DATA RETENTION	At least 10 years
MEMORY CELL REWRITES	At least 500,000
COMPATIBILITY	Microsoft Azure Active Directory accounts
CERTIFICATIONS	> U2F (USB) certification, Version 1.1 > FIDO2 Level 1, Version 2.0 > CC EAL5+ certified according to EN 419211 part 2 to part 6 (corresponding to the PP QSCD)

	> Conformity to: • French ANSSI • eIDAS compliant for e-signature
ATR	• 3B FF 96 00 00 81 31 FE 43 80 31 80 65 B0 85 59 56 FB 12 01 78 82 90 00 88
PRODUCT NAME	SafeNet eToken FIDO
MASK VERSION	G286
APPLET VERSION	> FIDO 2.0.2.B > IDPrime Java Applet 4.4.2.a
PIN	Default PIN: “0000”

Touch Sense Functionality

To use the touch sense functionality, consider the following:

> Presence detection is required as part of FIDO authentication.

> The presence detection surface is present at the backside of the token.

> The presence detection surface should only be touched and NOT pressed.

> The LED on the SafeNet eToken FIDO fades in and out while waiting to detect a human.

presence. When the presence detection surface is touched:

• the LED remains lit on SafeNet eToken FIDO

• the LED turns off on SafeNet eToken FIDO

Example of touch sense usage:

Below image represents the SafeNet eToken Fusion

Below image represents the SafeNet eToken FIDO:

Device LED Behavior

The below table describes the different LED modes of the device:

LED MODE	DESCRIPTION
TURN OFF	Device is not connected to computer or USB port is suspended
TURN ON	Device is connected to computer and ready for operation.
FADE IN / FADE OUT	Device waits for human presence detection. This feature is triggered by firmware while parsing the CTAP2 payloads to detect if user presence is required for specific commands. User should touch the device within predefined time-out period (30 sec) otherwise CTAP2 request is rejected.
BLINK	Device failure. Device led blinks in a predefined pattern. Contact your Thales sales representative.

Support Contact

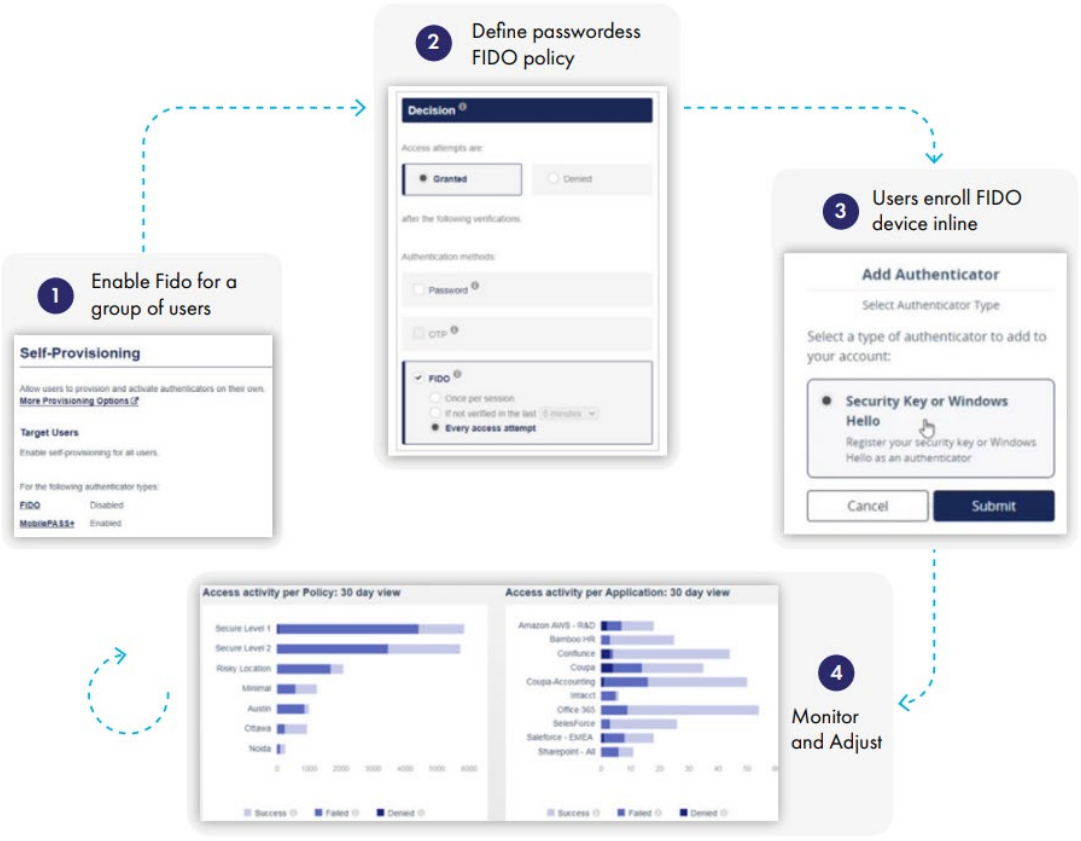
If you encounter a problem while installing, registering, or operating this product, please refer to the documentation above before contacting support.

If you cannot resolve the issue, contact SAS Support Escalation Team at this dedicated email address: dl_sassupportescalationteam@thalesgroup.com.

CHAPTER 9: Activate your Fido keys in SafeNet Trusted Access

What is SafeNet Trusted Access and how to use it?

SafeNet Trusted Access offers secure, simple access to all your enterprise-managed applications with seamless passwordless authentication.



Discover how to enable FIDO authentication with your security key in SafeNet Trusted Access

Discover how the end users can self-provision SafeNet eToken Fusion or eToken FIDO in SafeNet trusted Access

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