



User Guide for

 Windows and  Mac



AUTHENTREND



Index

- ATKey.Card NFC briefing
- Initial ATKey.Card NFC
 - Windows
 - If you are Mac user, please initial Card via “SecurityKey NFC” app (iOS, Android)
- Register to Passkey enabled services
- Authentication as a Passkey

Please check Smart Phone (iOS, Android) user guide separately!



- ISO/IEC 14443 Mifare Type-A 13.56MHz contactless Smart card, without battery.
- Dimension: 85 x 54 x 0.8mm, meet ISO/IEC 7810 spec.
- FIDO2 CTAP2.1 certified: Device-bound (Hardware) Passkey.

Fingerprint sensor, allow max. 2 fingers

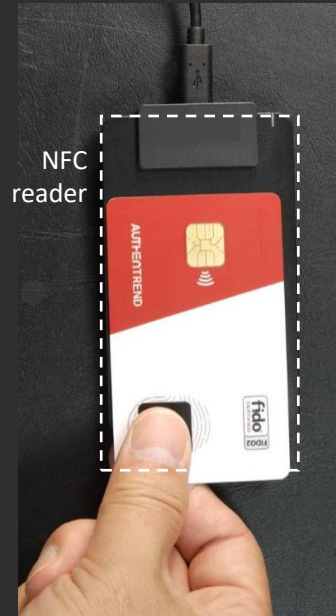
NFC antenna area
Built-in Mifare Type-A UUID

For 7816 smart card reader
the reader must be full support for short APDU and extended APDU commands.

back-side is blank, reserve for badge printing



Take the card by “enrolled” thumb finger (on fingerprint sensor sear) and index finger (on back)



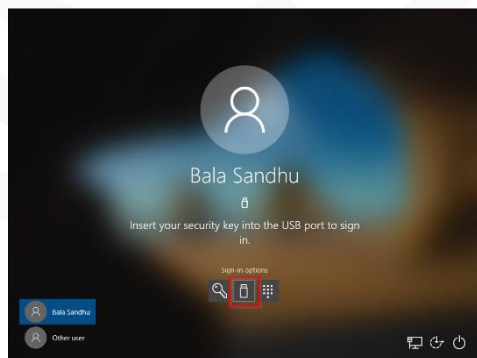
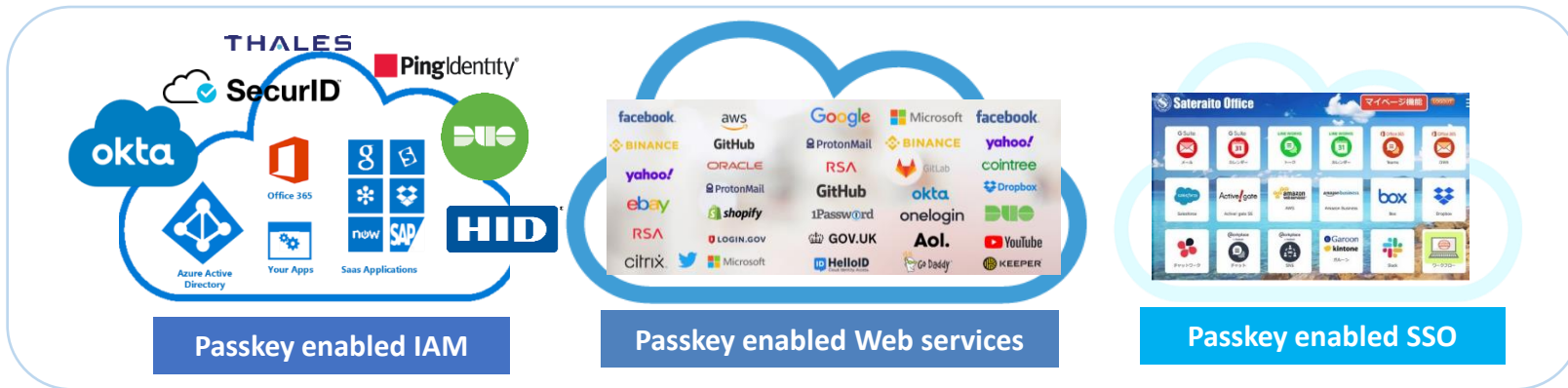
Then Tap (Bio-Tap) to the reader by this recommended angle



Or insert card to the reader



Applications



Windows Passwordless login joined Entra ID (Azure AD) PC
https://authentrend.com/download/ATKey_for_MSFT_AzureAD_guide.pdf



Go Passwordless for Your Personal Computer Authentication.

Windows Passwordless login to any Windows Account via ATKey.Login
<https://authentrend.com/atkey-login/>



For security reason,

- if PIN code continuous failed 8 times, or
- fingerprint continuous failed 15 times,

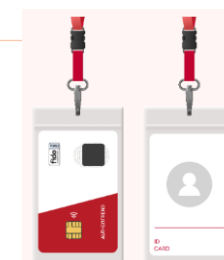
the card will be locked, user needs to reset it.



• Mac needs Safari browser for NFC Paskey



Physical access (Mifare TypeA UUID); but w/o fingerprint matching



back-side is blank reserve for badge printing

Step1: Initial Card



- We recommend checking the video as step-by-steps guide
 - <https://www.youtube.com/watch?v=Qw2Qks0JCEc&t=52s>
- Except your ATKey.Card NFC card, please have below things ready
 - Windows PC (Windows 10 build 1903 or later versions, Windows 11)
 - (Contactless) NFC Card reader (13.56MHz, Mifare TypeA)
 - or (Contact) 7816 smart card reader (*full support for short APDU and extended APDU commands*)
- Through Windows Settings, you can do below things for your Card
 - Reset (back to factory state)
 - Setup PIN code (PIN code for fingerprint management)
 - Enroll fingerprints (max. 2x fingerprints)

** If you are Mac user, please
initial Card via "SecurityKey NFC"
app (iOS, Android)*



Step1: Initial Card - Reset



- Reset to factory state, it does not need user's PIN code or Fingerprint authentication

The process is shown through a series of screenshots:

- Settings Path:** Windows Settings > Accounts > Sign-in options > Security key > Manage.
- Initial Prompt:** "Windows Hello setup" window with the instruction: "Tap, turn on or insert your security key."
- Options Menu:** "Windows Hello setup" window showing "Security Key Fingerprint", "Security Key PIN", and "Reset Security Key" (Remove everything from this security key and reset to factory settings).
- Warning Screen:** "Windows Hello setup" window with a warning triangle and the text: "Reset Security Key. The security key will be reset to factory settings. All data and credentials on this key will be cleared."
- Reader Instruction:** "Windows Hello setup" window with a USB icon and the text: "Tap your security key twice on the reader." Includes an inset image of a hand tapping a security key on a reader.
- Final Confirmation:** "Windows Hello setup" window with a green checkmark and the text: "Reset Complete."

Additional notes: "tap to reader, remove card, tape again" (Note: 'tape' is likely a typo for 'tap').

Step1: Initial Card – Setup PIN code



- Setup PIN code, then you can enroll fingerprint

Windows Hello setup

Accounts > Sign-in options

Ways to sign in

- Facial recognition (Windows Hello)
This option is currently unavailable
- Fingerprint recognition (Windows Hello)
Sign in with your fingerprint scanner (Recommended)
- PIN (Windows Hello)
Sign in with a PIN (Recommended)
- Security key
Sign in with a physical security key
Sign in to apps with a physical security key Manage
- Password
Sign in with your account's password
- Picture password
Swipe and tap your favorite photo to unlock your device

Windows Hello setup

Tap, turn on or insert your security key.

Close

Windows Hello setup

Security Key Fingerprint
Personalize your security key

Set up

Security Key PIN
Creating a PIN for your security key helps keep you secure

Add

Reset Security Key
Remove everything from this security key and reset to factory settings

Reset

Close

Windows Hello setup

Set up a security key PIN

Type in PIN code

OK Cancel

Windows Hello setup

Set up a security key PIN

New security key PIN

Confirm security key PIN

Tap your security key again on the reader.

OK Cancel

Windows Hello setup

Security Key Fingerprint
Personalize your security key

Set up

Security Key PIN
Creating a PIN for your security key helps keep you secure

Change

Reset Security Key
Remove everything from this security key and reset to factory settings

Reset

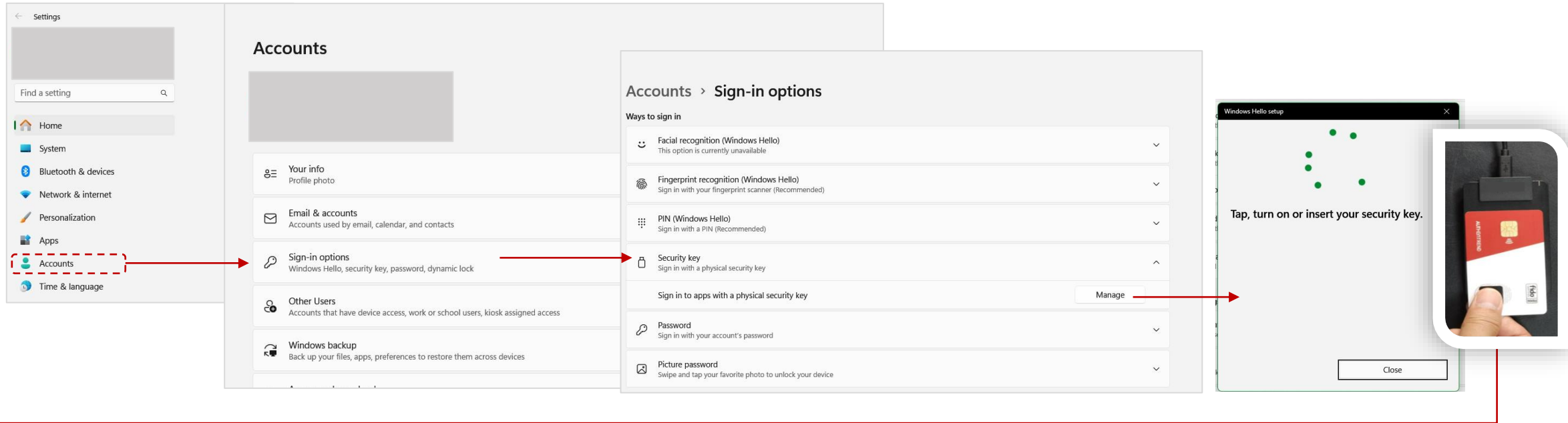
Close

Stay until it's done to this screen, then you can remove card from reader; Don't just tap and remove without waiting program confirms the actions done.

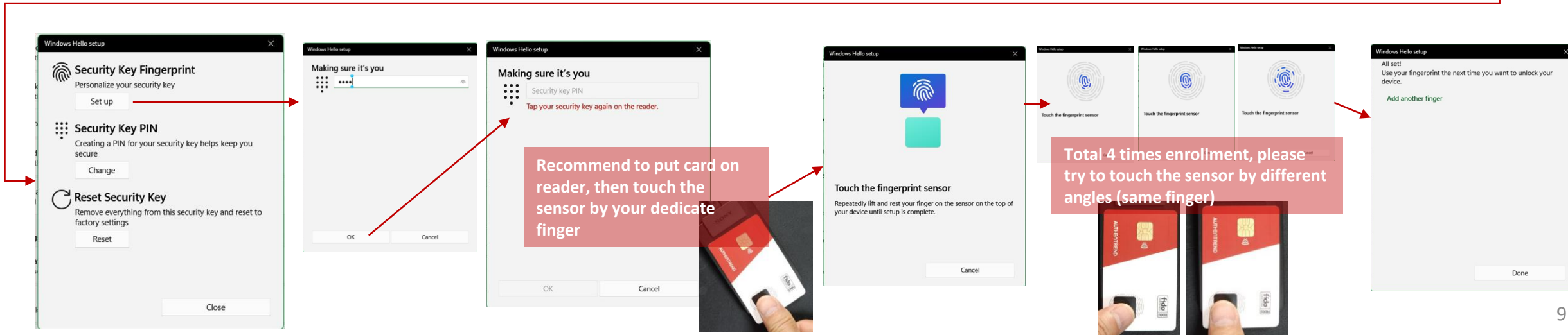
Step1: Initial Card – Enroll fingerprints



- PIN code authorized, then enroll or remove fingerprints



The image shows a sequence of Windows Settings screens. On the left, the 'Accounts' section is highlighted with a red dashed box. An arrow points from 'Accounts' to 'Sign-in options'. Another arrow points from 'Sign-in options' to the 'Sign-in options' screen, where 'Fingerprint recognition (Windows Hello)' is selected. A third arrow points from the 'Manage' button to the 'Windows Hello setup' window. The 'Windows Hello setup' window displays the instruction: 'Tap, turn on or insert your security key.' An inset image shows a hand inserting a red and white security key into a reader.



The image shows a sequence of Windows Hello setup screens for fingerprint enrollment. The first screen is 'Security Key Fingerprint' with options for 'Set up', 'Security Key PIN', and 'Reset Security Key'. An arrow points to the 'Set up' button. The next screen is 'Making sure it's you' with a 'Security key PIN' field and a 'Tap your security key again on the reader.' instruction. A red text box with an arrow pointing to the security key reader says: 'Recommend to put card on reader, then touch the sensor by your dedicate finger'. The following screen is 'Touch the fingerprint sensor' with the instruction: 'Repeatedly lift and rest your finger on the sensor on the top of your device until setup is complete.' A red text box with an arrow pointing to the sensor says: 'Total 4 times enrollment, please try to touch the sensor by different angles (same finger)'. Below this are two images of the security key being touched to the sensor at different angles. The final screen is 'All set! Use your fingerprint the next time you want to unlock your device. Add another finger' with a 'Done' button.

Step2: Register Card to Passkey enabled Service



• Mac needs Safari browser for NFC Passkey

- Example from Entra ID (Azure AD)
 - If your organization and your PC joined Azure AD domain, check here to see how to enable “Security key” to your Azure AD portal: https://authentrend.com/download/ATKey_for_MSFT_AzureAD_guide.pdf

One highlight before registration:

- Security key for Microsoft Entra ID (Azure AD) needs validated to add into Azure AD list
 - <https://learn.microsoft.com/en-us/entra/identity/authentication/concept-authentication-passwordless>
- ATKey.Card NFC submitted to Microsoft on Nov. of 2023, and waiting for the final confirmation to add into Azure AD list
- So, if your org. Azure AD portal enabled “Enforce attestation” to Yes, and adding “ATKey.Card NFC” as a security key but failed at last step, please adjust “Enforce attestation” to “No”, or manually add “ATKey.Card NFC AAGUID” in.
 - <https://learn.microsoft.com/en-us/entra/identity/authentication/howto-authentication-passwordless-security-key>

Enable and Target **Configure**

GENERAL

Allow self-service set up Yes No

Enforce attestation Yes No

KEY RESTRICTION POLICY

Enforce key restrictions Yes No

Restrict specific keys Allow Block

[Add AAGUID](#)

No AAGUIDs have been added.

Please check and get all ATKey AAGUID from here: <https://authentrend.com/atkey-fido2-security-key-aaguids/>

ATKey.Card NFC is listing to Microsoft Entra ID (Azure AD) on 2024 Jan. 29th upgrade, so you can ignore this page after the date.

Step2: Register Card to Passkey enabled Service



- Example from Entra ID (Azure AD)
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• Mac needs Safari browser for NFC Passkey

Security key
Have your key ready.
When you choose Next, you will be prompted to tap your security key on the reader. Then, touch the button or sensor on your security key to finish setting up your device.
For more detailed instructions, visit your key manufacturer's website.
Back Next

Security key
Your device will redirect you to a new window to finish setup.

Windows Security
Choose where to save this passkey
Security key
More choices
iPhone, iPad, or Android device
Security key
Next Cancel

Windows Security
Security key setup
Set up your security key to sign in to login.microsoft.com as
This request comes from the app "chrome.exe" by "Google LLC".
OK Cancel

Windows Security
Continue setup
This will let login.microsoft.com see the make and model of your security key.
login.microsoft.com wants to create a credential on your security key. This lets you sign in without having to type your username.
Note: A record of your visit to this site will be kept on your security key.
OK Cancel

Windows Security
Continue setup
Tap, turn on or insert your security key.
Cancel

Windows Security
Passkey saved
You can now use your security key to sign in to "login.microsoft.com".
OK

Security key
Name your security key. This will help distinguish it from other keys.
Enter a security key name
Cancel Next

Security key
You're all set!
You can use your security key instead of a username and password the next time you sign in.
Be sure to follow your security key manufacturer's guidance to perform any additional setup tasks such as registering your fingerprint.
Done

Please make sure your NFC reader or card reader is ready with Windows

Using enrolled fingerprint hold the sensor/card to tap the reader, stay until it's done to next screen

Assign friendly name for the registered key

Then, the registered key shows on the "Security Info" list as one sign-in method

Step2: Register Card to Passkey enabled Service



• Mac needs Safari browser for NFC Passkey

- Example from Github

The screenshot shows the GitHub website interface. On the left is the navigation menu with 'Settings' highlighted. The main content area shows the 'Account' settings page. A red dashed box highlights the 'Password and authentication' link. Below it, the 'Passkeys' section is visible with an 'Add a passkey' button. To the right, a modal window titled 'Configure passwordless authentication' is shown, with 'Add a passkey' highlighted. A red arrow points from the 'Add a passkey' button in the main content to the modal.

Please make sure your NFC reader or card reader is ready with Windows

The sequence of Windows Security dialog boxes shows the following steps:
1. 'Making sure it's you' dialog with 'Use another device' highlighted by a red dashed box.
2. 'Choose where to save this passkey' dialog with 'Security key' selected.
3. 'Security key setup' dialog with 'OK' button highlighted.
4. 'Continue setup' dialog with 'Tap, turn on or insert your security key.' and a photo of a hand tapping a red FIDO2 security key on a sensor.
5. 'Passkey saved' dialog with 'OK' button highlighted.
6. 'Configure passwordless authentication' dialog with 'Successfully added a passkey' and 'Assign friendly name' highlighted.

Using enrolled fingerprint hold the sensor/card to tap the reader, stay until it's done to next screen

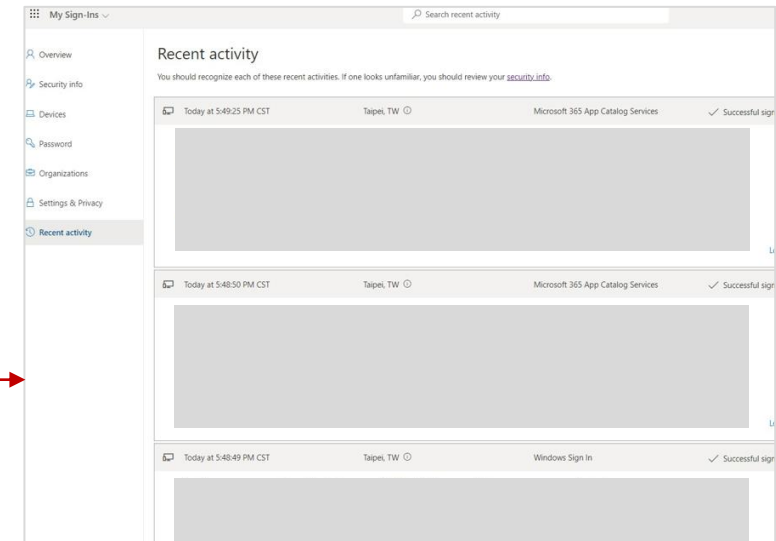
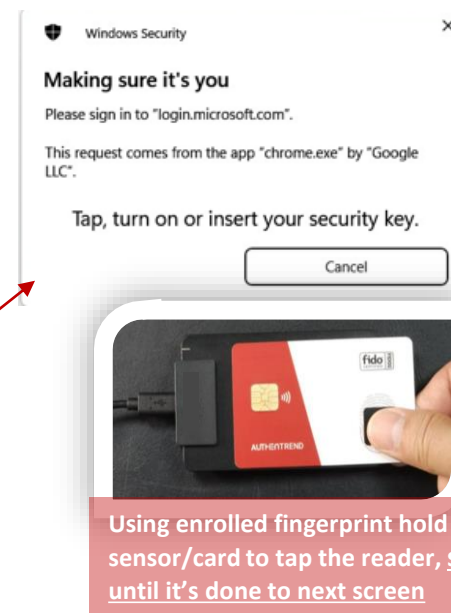
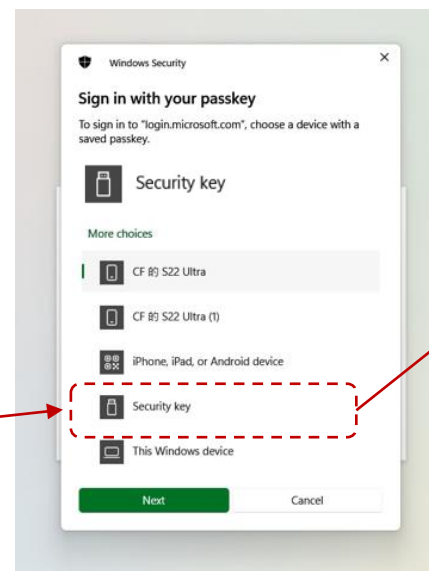
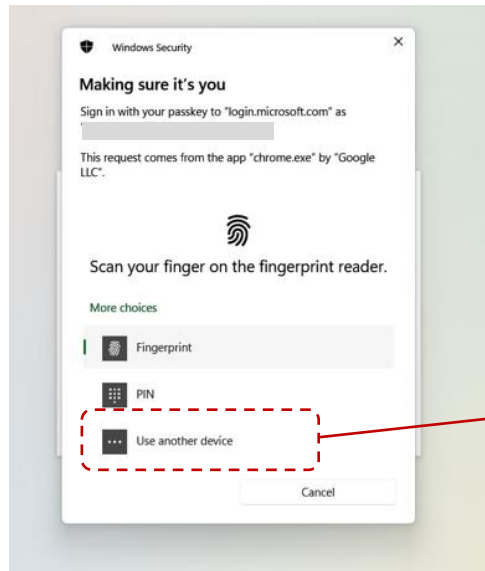
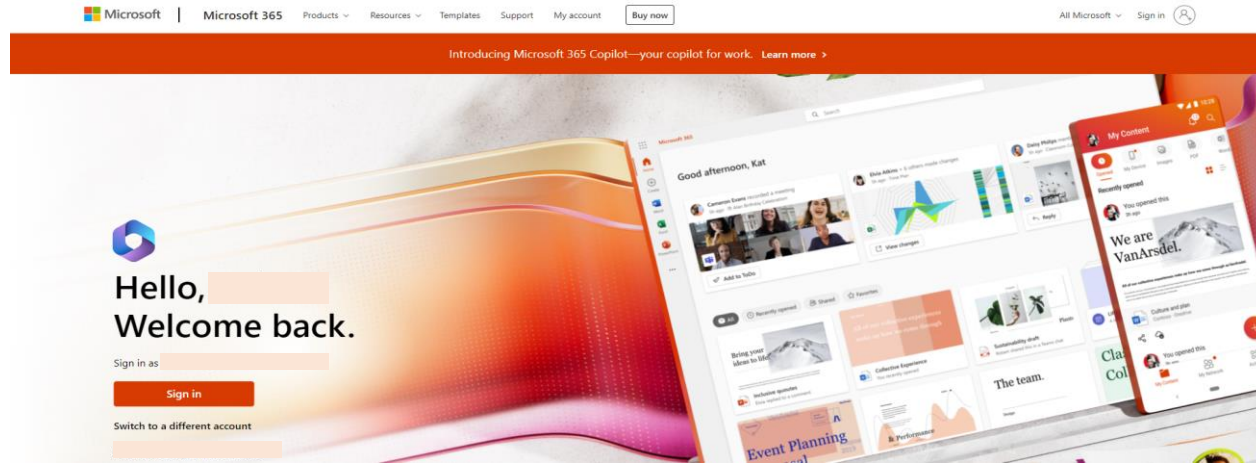
Assign friendly name for the registered key

Step3: Authentication as a Passkey



- Example from Microsoft 365

- Mac needs Safari browser for NFC Passkey

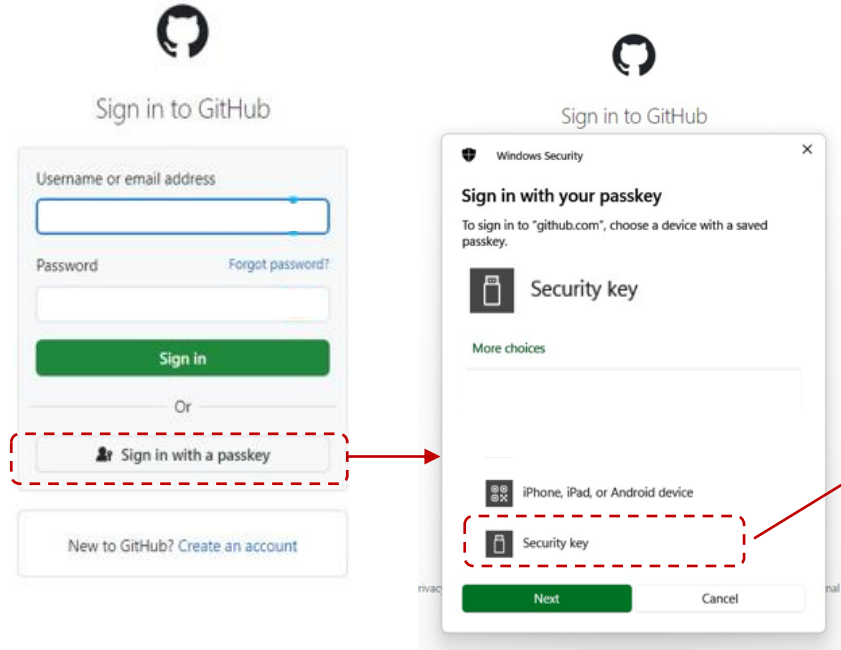


Step3: Authentication as a Passkey



- Example from Github

• Mac needs Safari browser for NFC Passkey



Using enrolled fingerprint hold the sensor/card to tap the reader, stay until it's done to next screen





Visit <https://authentrend.com/atkey-card-nfc/> for more information
Or mail to customer.support@authentrend.com for advanced contact



Thank you!

No more phishing! Start your passwordless login from today.

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