

# Passwordless Enterprise Journey

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[www.thalesgroup.com](http://www.thalesgroup.com)



# Why Passwordless?

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# Drivers for Passwordless Authentication



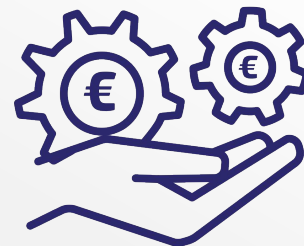
## More Security

Stronger security with phishing-resistant authentication



## Better User Experience

Better user experience (no passwords to remember)  
Faster & seamless login



## Lower Operational Costs

Reduced IT operations & support costs  
(fewer resets & Helpdesk calls)

# FIDO Introduction

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# What is FIDO? (Fast Identity Online)



## Mission

Authentication standards  
To reduce world's reliance  
on passwords

250+

members

600

FIDO  
certified  
solutions

The user authenticates  
'locally' to their device by  
various means

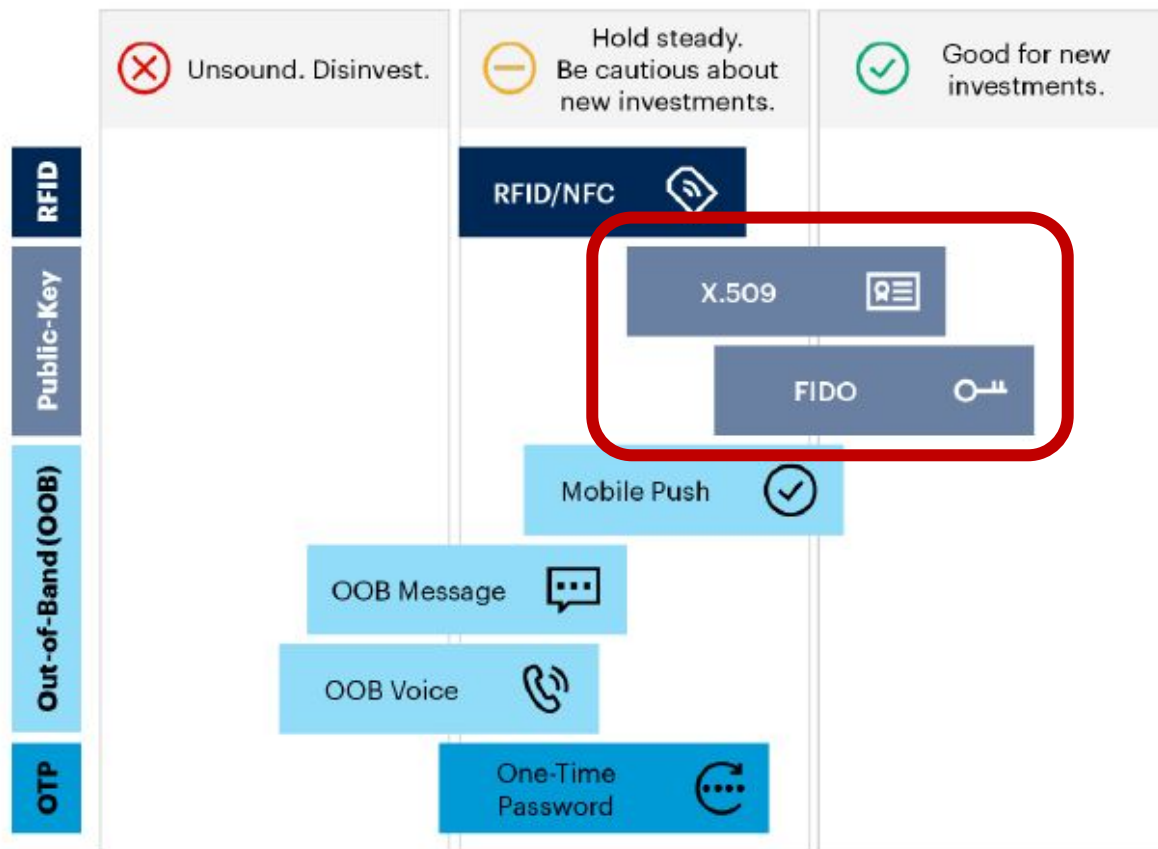
The device authenticates  
the user online using  
**public key cryptography**



## Authenticator

On device or external  
hardware (security key)

# What Gartner says

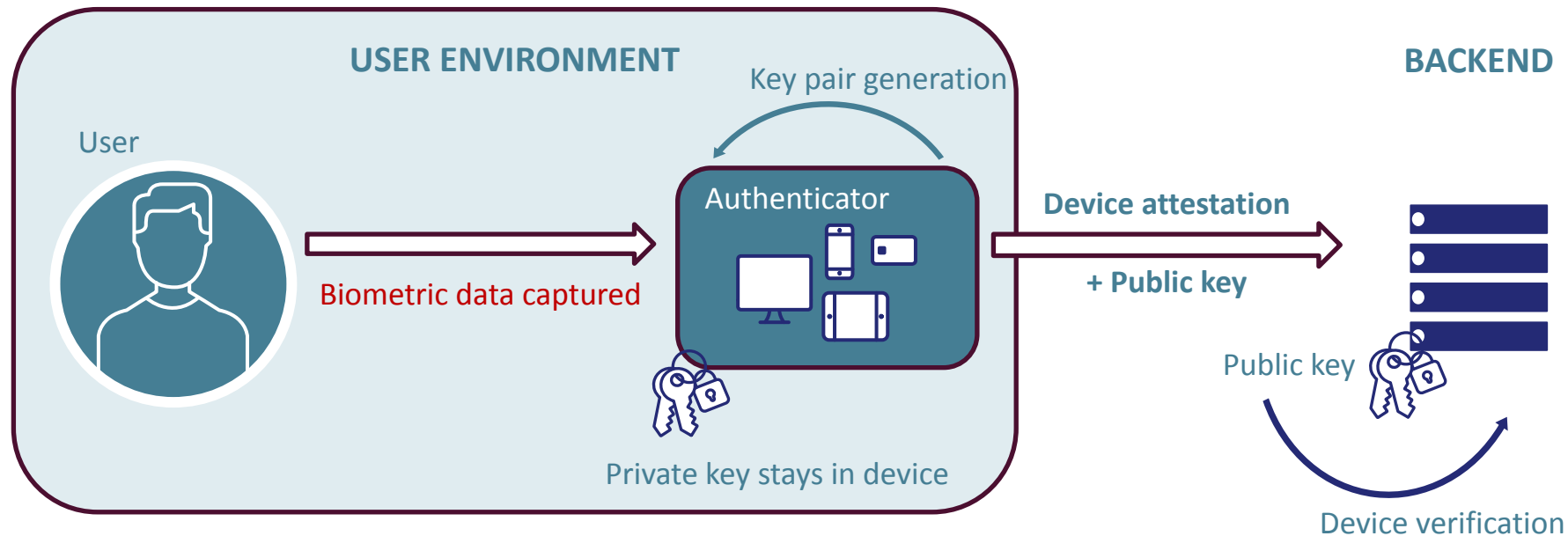


Source: Gartner  
778753\_C

# What Gartner estimates (Gartner IAM Summit UK, March 2025)

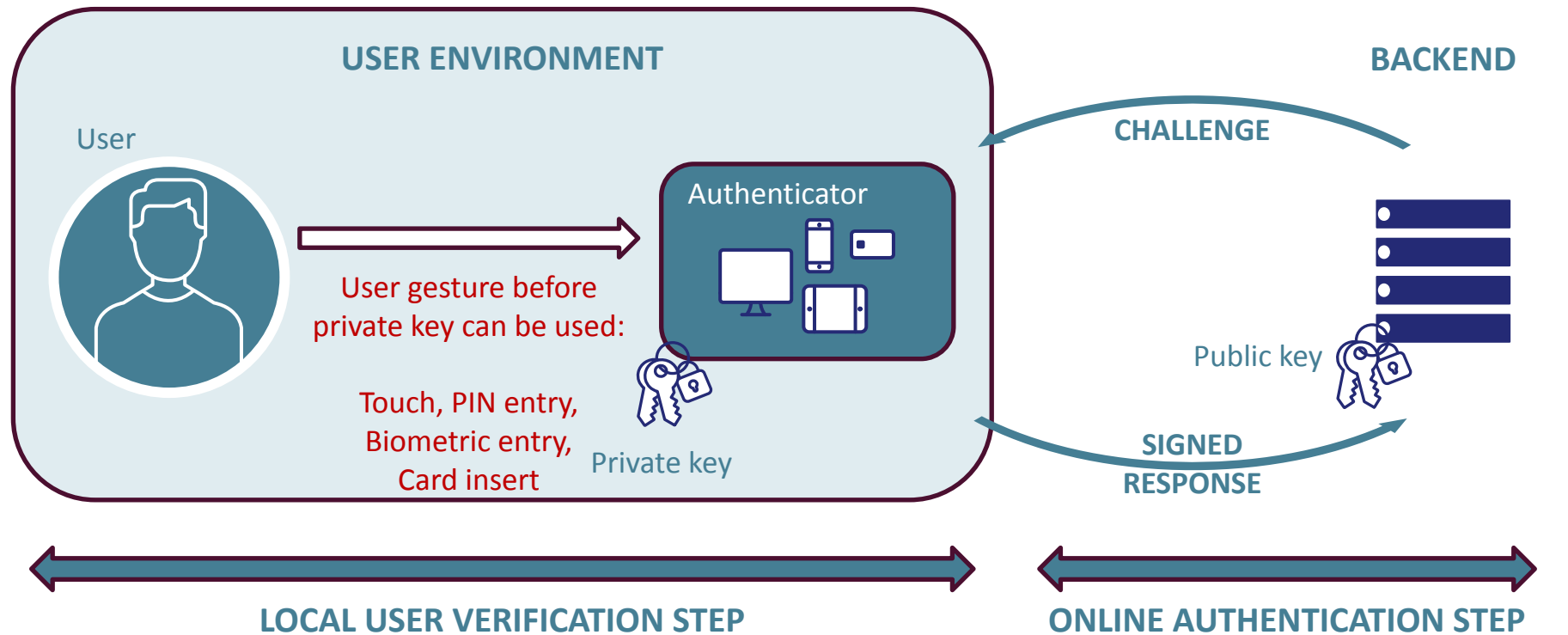


# Principle of FIDO registration





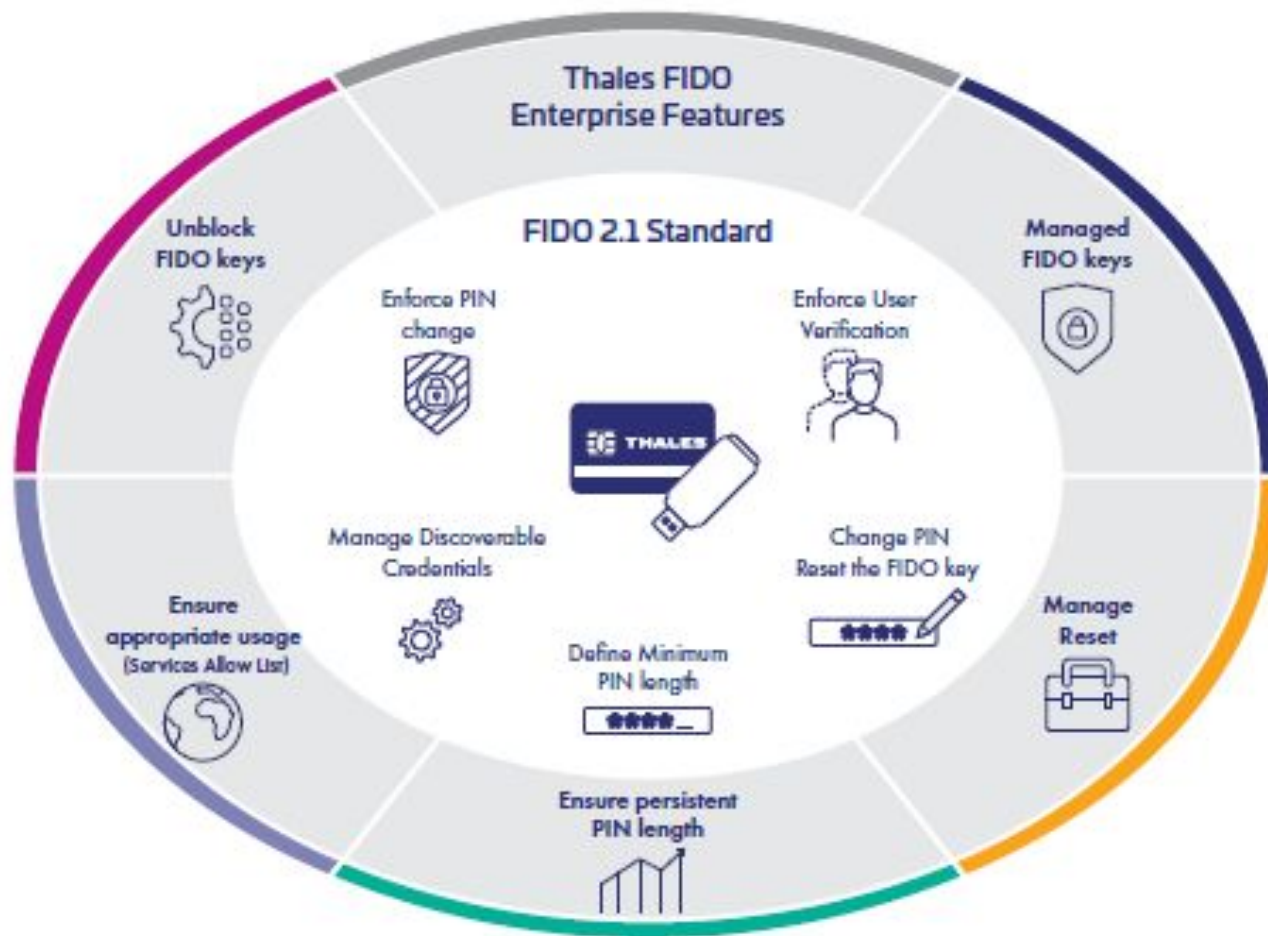
# Principle of FIDO authentication



# Thales FIDO Solution

[www.thalesgroup.com](http://www.thalesgroup.com)

# FIDO 2.1 and Thales Enterprise Features





## Min PIN Length

Change the minimum PIN length enforced by the authenticator



## Force change PIN

Require a PIN change. Subsequent PIN authentication attempts will fail until PIN is changed



## Discoverable Credentials

Seamless authentication without username and password



FIDO 2.1 includes more specifications requested by organizations who want to deploy FIDO securely.

# Extra Enterprise Features by Thales



## Managed Mode

- ✓ Allow the organization to manage FIDO key policies with additional administration layer



## Configure Services Allow List

- ✓ Allow the organization to limit the device usage to the preferred web services



## Unblock FIDO Key

- ✓ No need to delete all the information from the key if the PIN is blocked
- ✓ Perform online or offline



## Manage Reset

- ✓ FIDO keys containing end-user information are protected against malicious deletion



## Ensure Persistent PIN Length

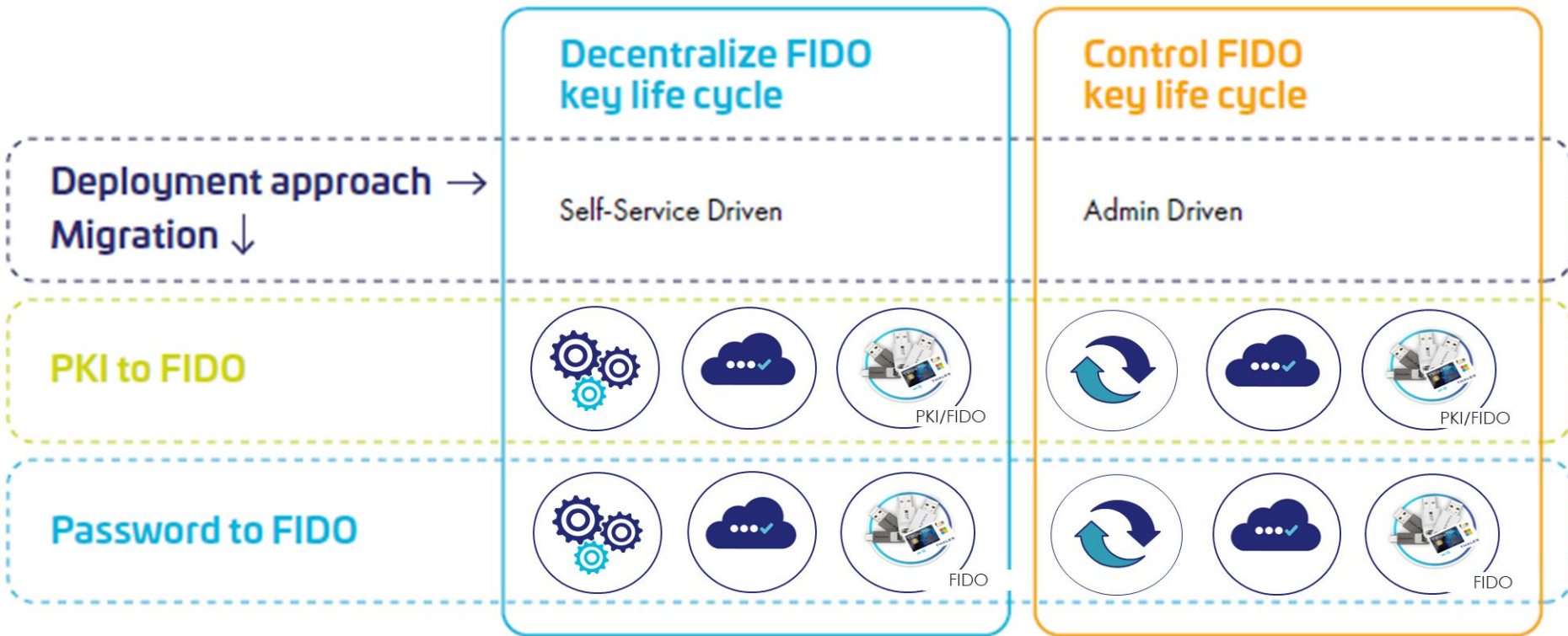
- ✓ Allow PIN policy according to organization policy



## Setup & Change PIN

- ✓ Improve end user convenience by enabling self-service capabilities

# Thales supports all FIDO deployment & migration approach



IDP



keys



Key  
manager



PKI/FIDO Management  
System

# Wide range of MFA options to choose from



Get the best of PKI and FIDO Worlds

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# SafeNet IDPrime Smart Card



- PKI and FIDO 2.1 hybrid security
- Contact and contactless
- Phishing-resistant authentication
- Secure digital signatures
- Physical and logical access
- Great for privileged access and device-constrained environments



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# SafeNet eToken Fusion



- PKI and FIDO 2.1 hybrid security
- Phishing-resistant authentication
- USB-A and USB-C
- Supporting NFC
- Works with mobile devices
- Great for knowledge workers



# SafeNet IDPrime FIDO Bio



- FIDO 2.1 compatibility
- Supporting NFC
- On-device biometric
- No PIN to remember
- Phishing-resistant authentication

# Combined use cases

## From PKI to FIDO

- Combined products for easy migration
- Best-in-class certifications
- Support both technologies at the same time



## Converged badge

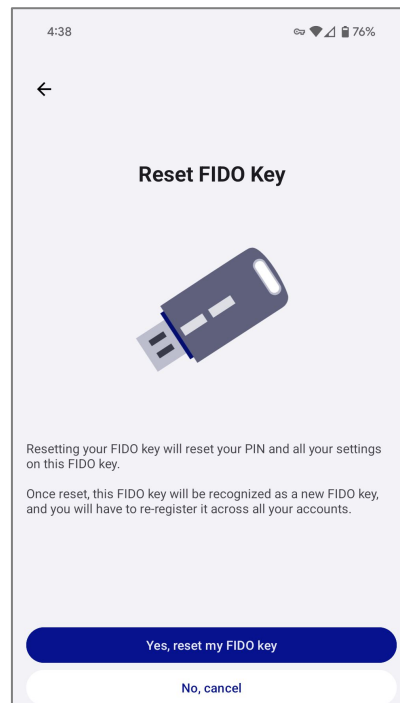
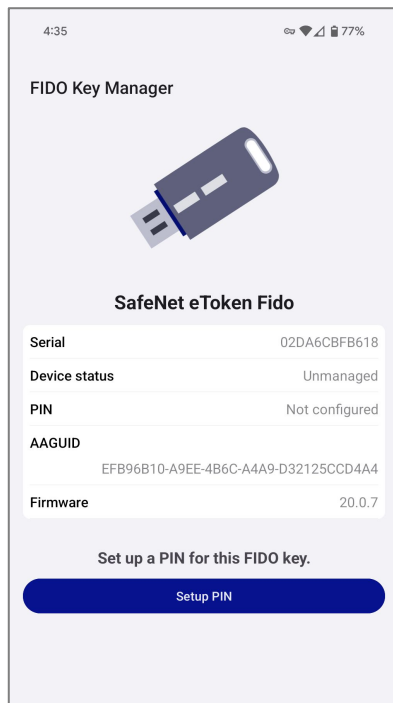
- One badge for Physical & Logical access
- Simple to use & carry
- Can also be combined with PKI



# Credential Management

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# FIDO Key Manager



- ✓ A single place to manage your FIDO keys
- ✓ Conveniently update PIN
- ✓ Reset your FIDO keys without helpdesk
- ✓ Manage allow-listed websites

Empower end-users and administrators with  
advanced key management

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# Credential Management from Versasec

## About the company

- vSEC:CMS is a credential management system developed by Versasec Security Sweden AB (<https://versasec.com>)
- Thales and Versasec are in strong technology and commercial partnership

## About the product (vSEC:CMS)

- vSEC manages the whole lifecycle of identity tokens, such as smart cards, virtual smart cards
- Everything you need for enterprise deployments
  - ✓ Provisioning of PKI certificates on smartcards and tokens
  - ✓ Provisioning of FIDO smartcards and tokens
  - ✓ Manage physical access

Thales partners with Versasec to offer the most comprehensive identity access and authentication management solutions

The Thales logo, consisting of the word "THALES" in a bold, blue, sans-serif font. A small blue dot is positioned above the letter "A".The Thales logo, consisting of the word "THALES" in a bold, blue, sans-serif font. A small blue dot is positioned above the letter "A".

# Get full control over FIDO Key life cycle



1 ISSUE



Operator

2 ACTIVATE



User

3 USE



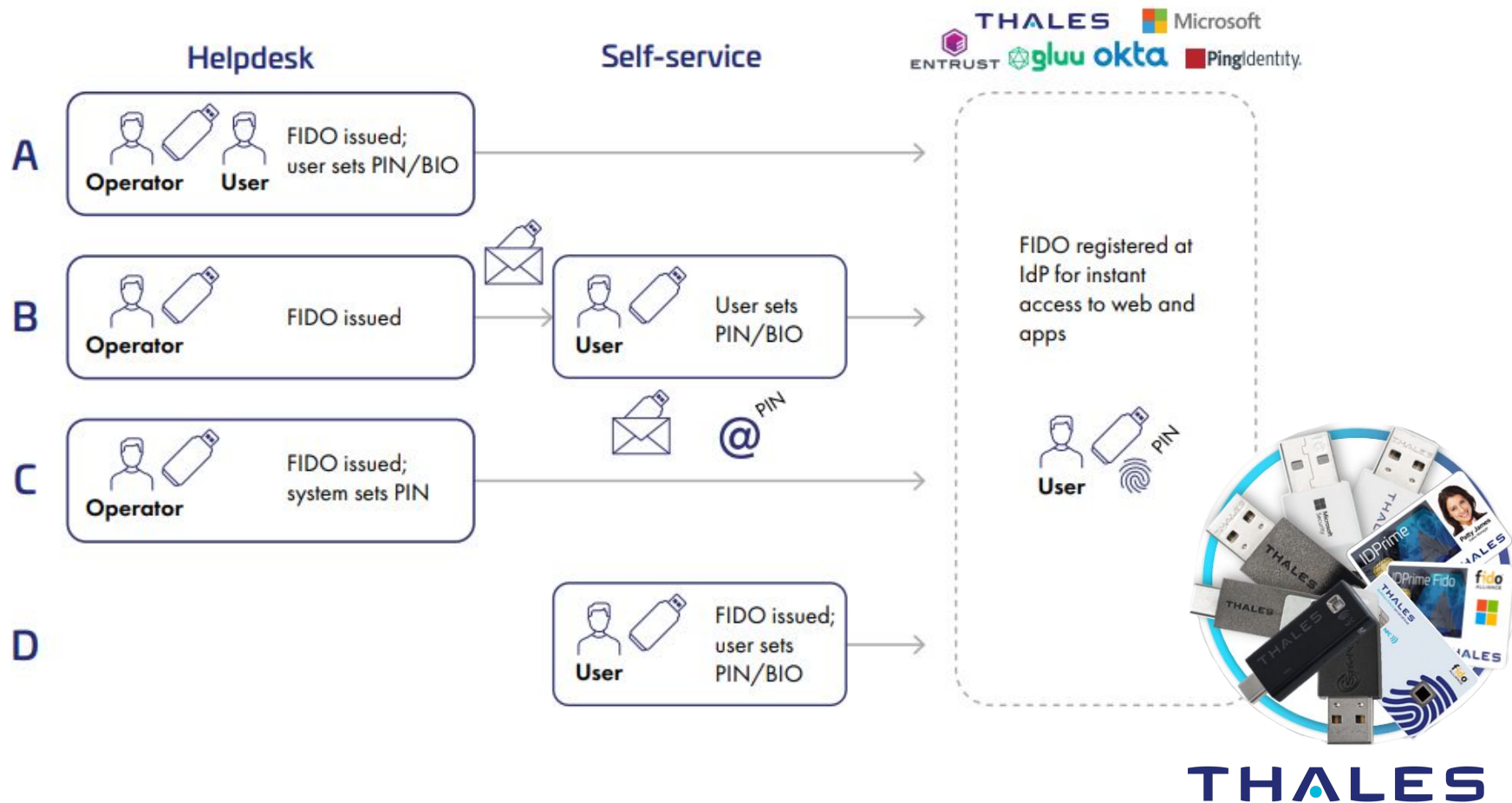
User

4 REVOKE



Operator

# Versatile FIDO Enrollment Methods







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