



SecureScript
Made in Germany



Strong Passwordless (FIDO) Authentication

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<http://fidoscrypt.com>

THE DEATH OF PASSWORDS



IN 2014...

708 data breaches

82 million
personal records stolen

About FIDO UAF

Opportunity for Better Authentication is Upon Us *Passwords Just Do Not Work*

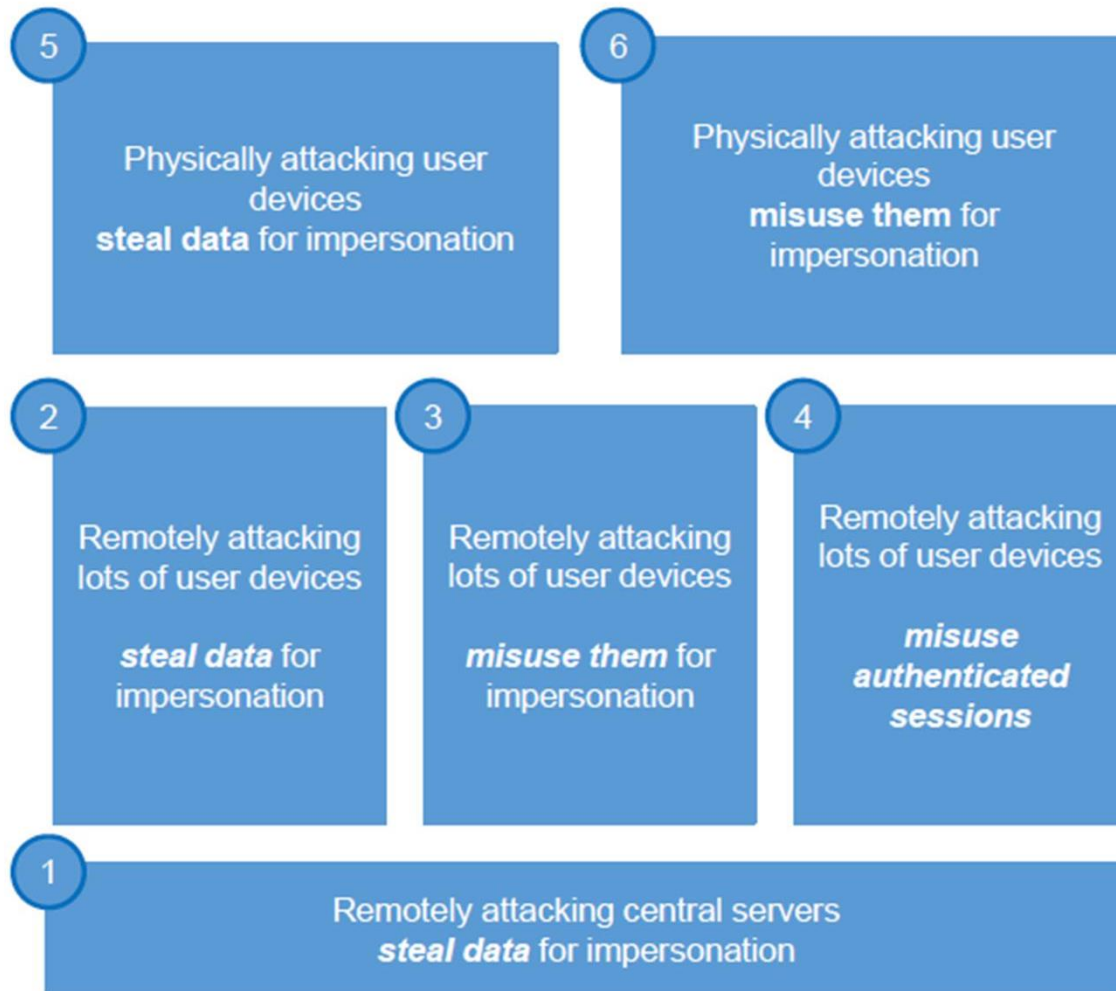


About FIDO UAF

Attack Classes

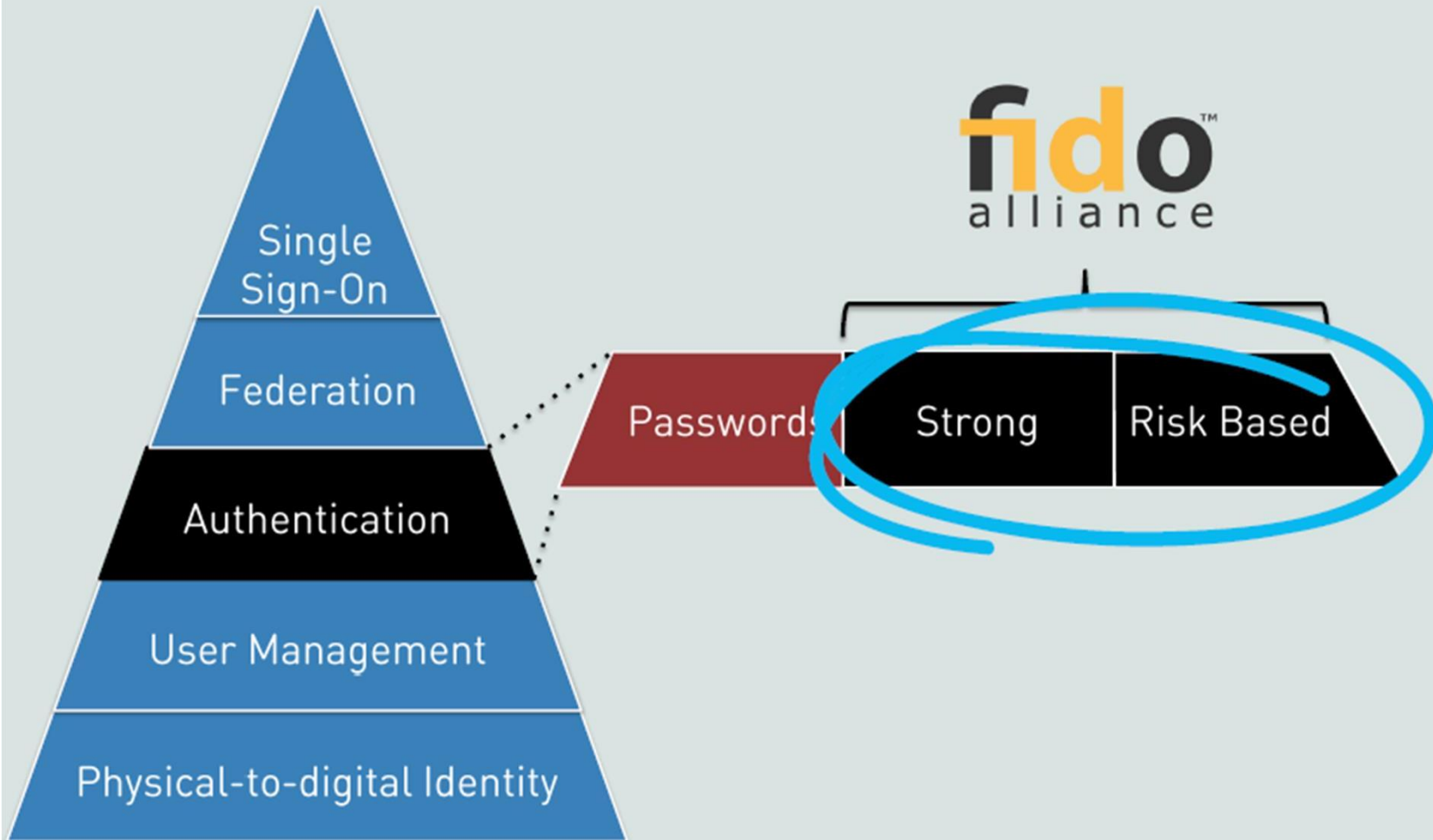
Physical attacks
possible on lost or
stolen devices
(≈3% in the US in 2013)

Scalable attacks



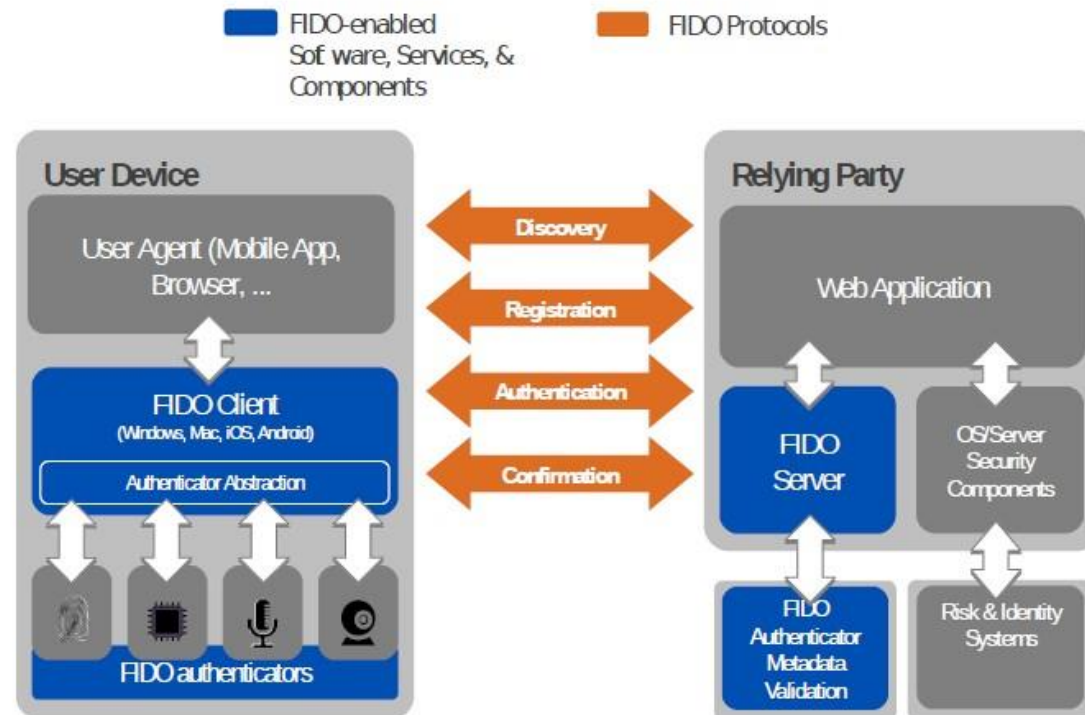
About FIDO UAF

Authentication in Context



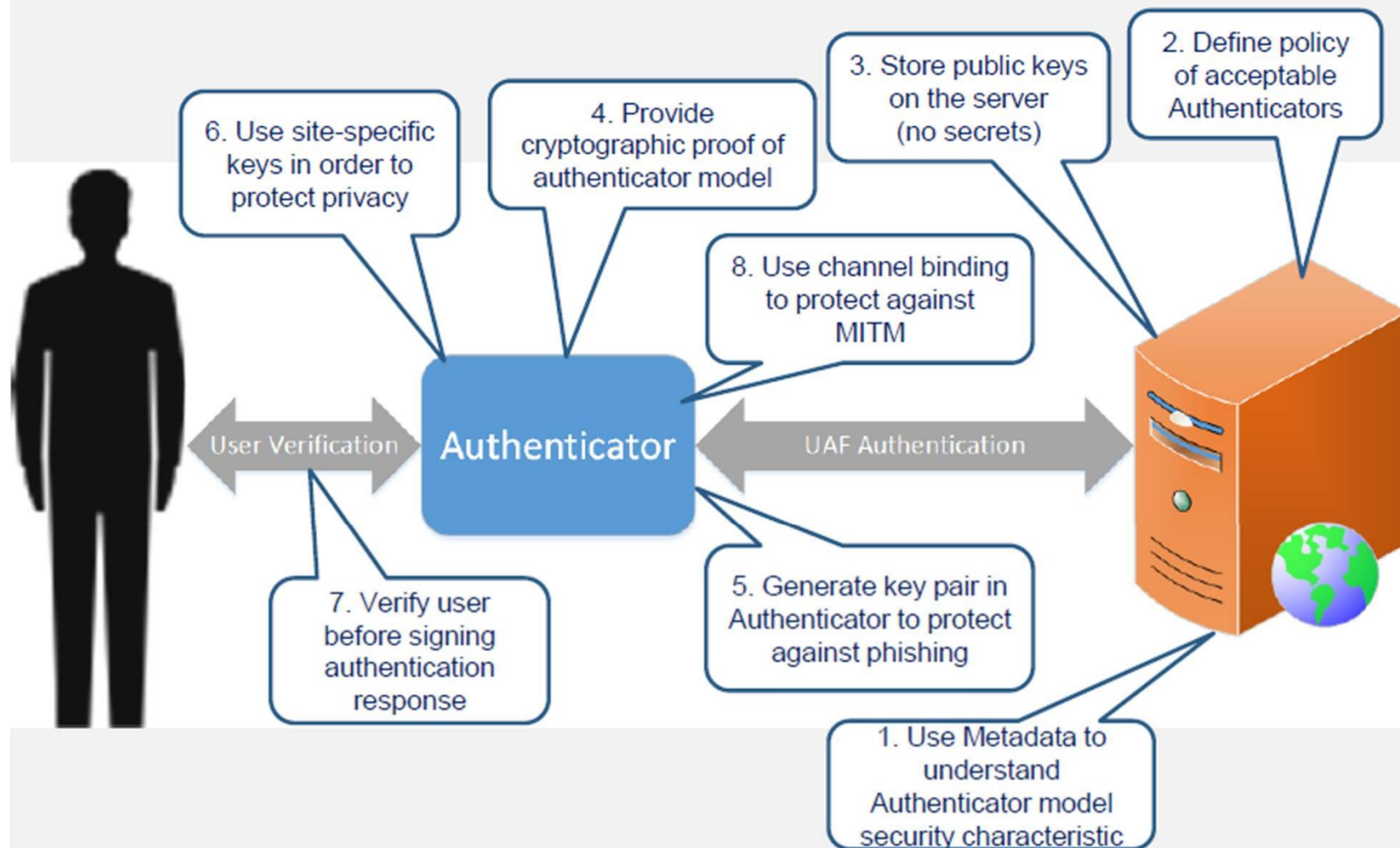
About FIDO UAF

- ✦ FIDO UAF strong authentication framework enables online services and websites, whether on the open Internet or within enterprises, to transparently leverage native security features of end-user computing devices for strong user authentication and to reduce the problems associated with creating and remembering many online credentials.
- ✦ FIDO UAF high-level architecture is illustrated on the following picture



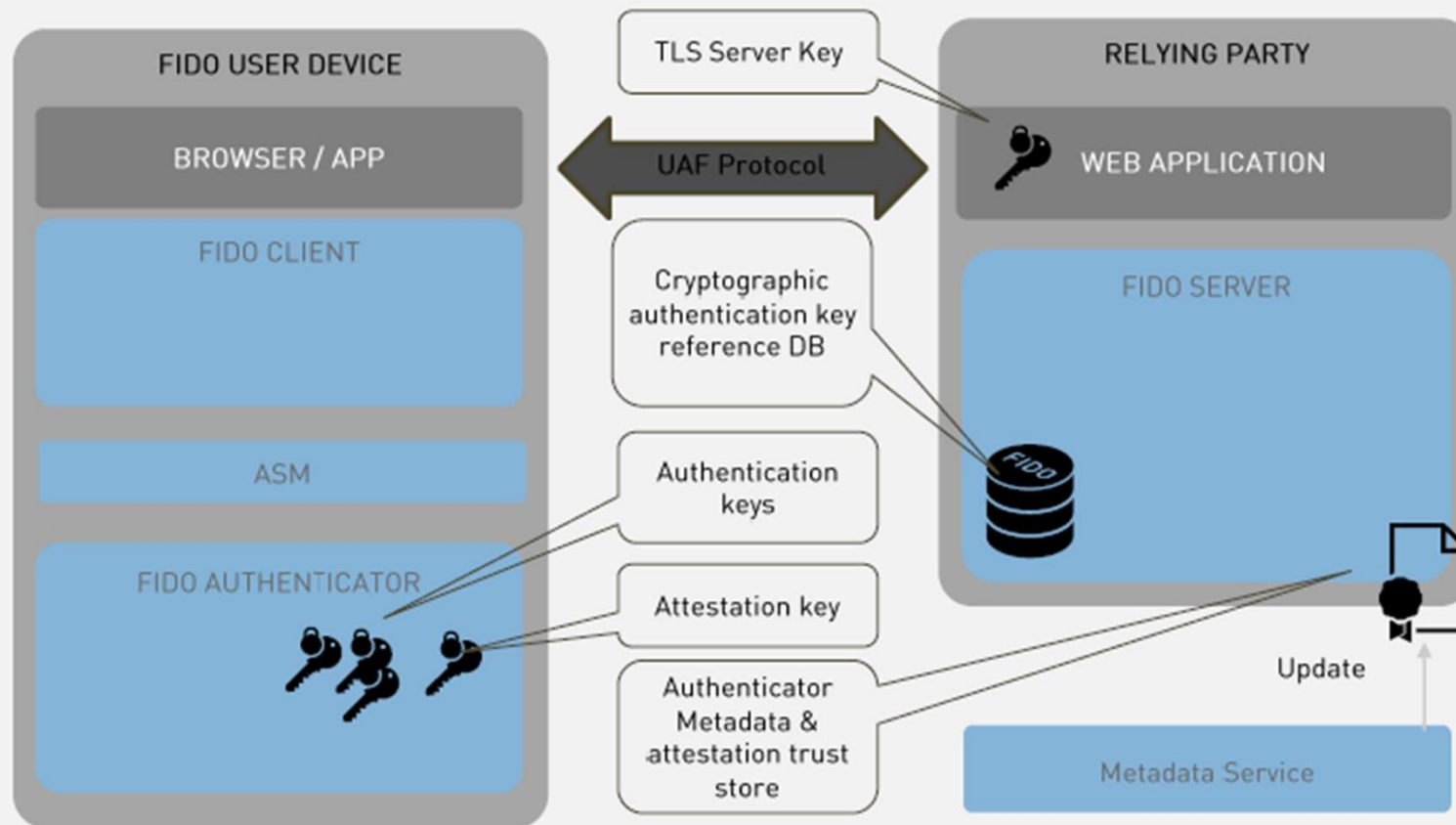
About FIDO UAF

How does FIDO UAF work?



About FIDO UAF

FIDO Building Blocks



About FIDO UAF



No 3rd Party in the Protocol



No Secrets on the Server side



Biometric data (if used) never leaves device



No link-ability between Services

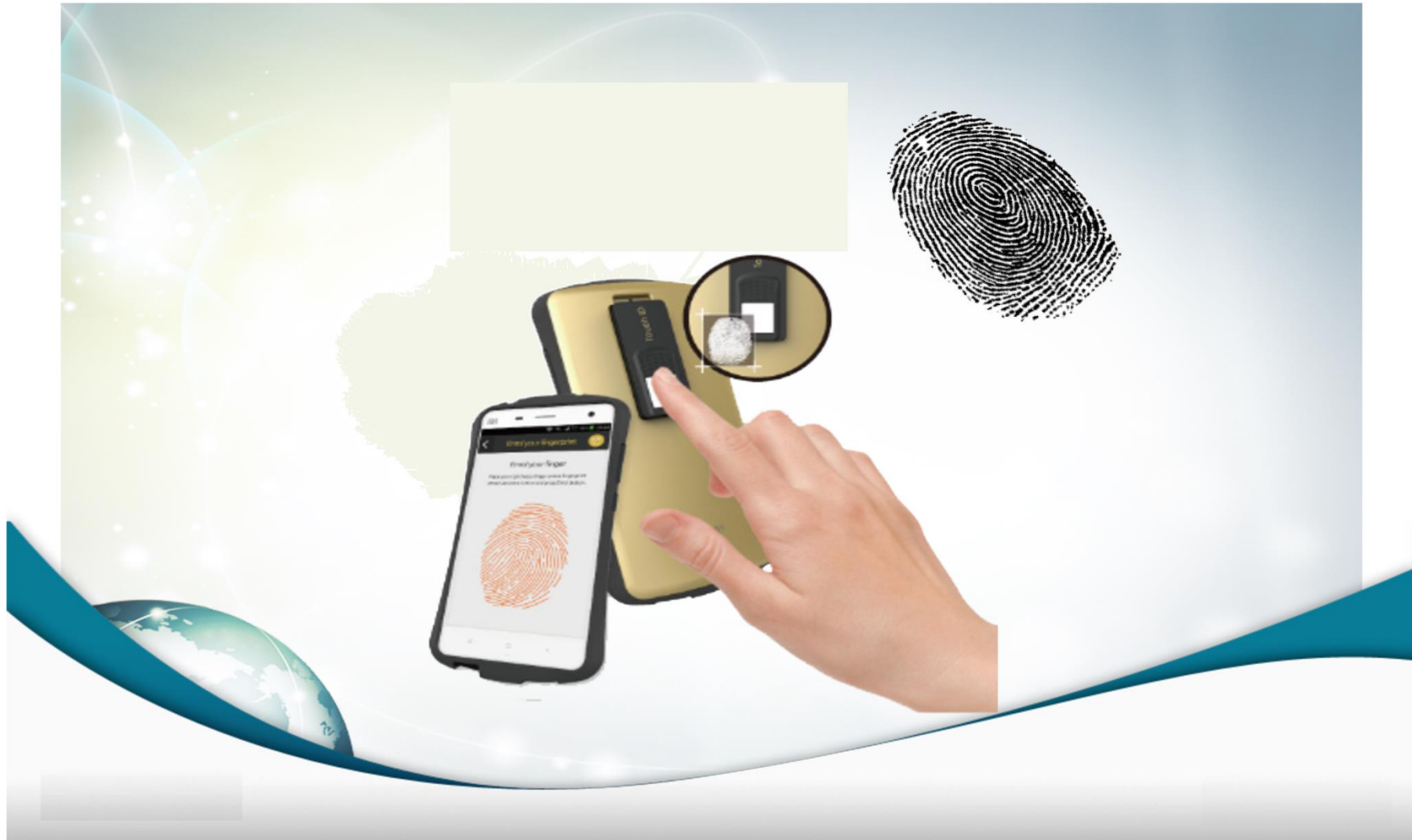


No link-ability between Accounts

Use Cases

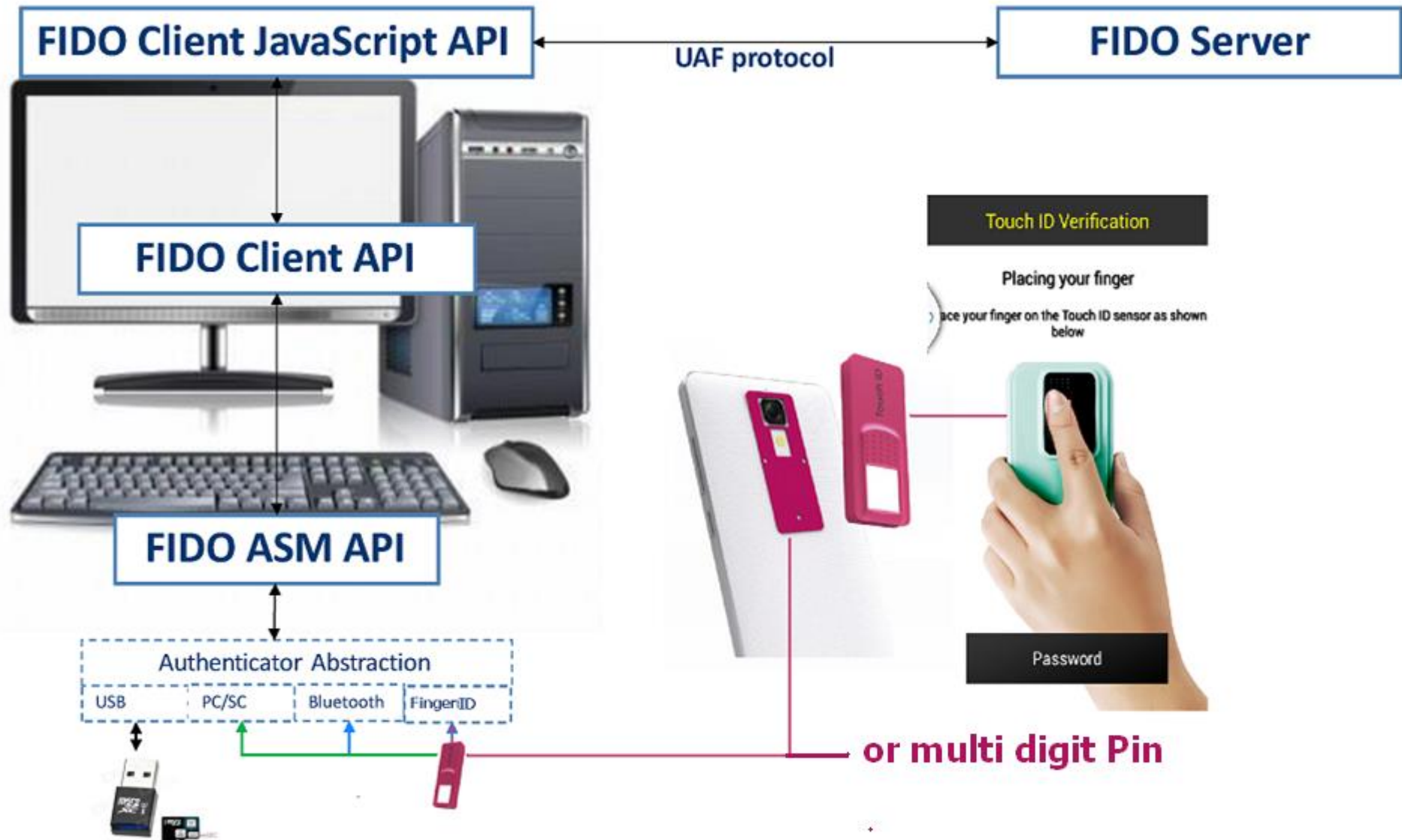
- ✦ Secure microSD card as an independent secure element form factor in an Android phone in combination with FIDO authentication technology , HCE/NFC, Nurugo Biometrics and Bluetooth communication interfaces is enabling the following use cases
- ✦ Mobile Use Cases
 - ✦ FIDO password-free authentication using secure microSD card inserted into the phone (user authentication for various use cases where strong authentication is required like Online Shopping, Remote Access,...), Nurugo Biometrics,...
 - ✦ Classical NFC contactless use cases like Mobile Payment, Mobile Ticketing, Loyalty Programs,...
 - ✦ Nurugo Biometrics, Fingerprint, Eye print, Face Recognition, PIN ,for example Mobile Payment, Mobile Ticketing, Loyalty Programs, User Identity, encrypted messages,..
- ✦ PC Use Cases
 - ✦ FIDO password-free authentication using secure microSD card (inserted into the phone) over NFC/HCE interface
 - ✦ FIDO password-free authentication using secure microSD card (inserted into the phone) over Bluetooth interface
 - ✦ FIDO password-free authentication using Nurugo Biometrics on the Mobile device , over Bluetooth interface

Passwordless Authentication with Nurugo* Biometrics

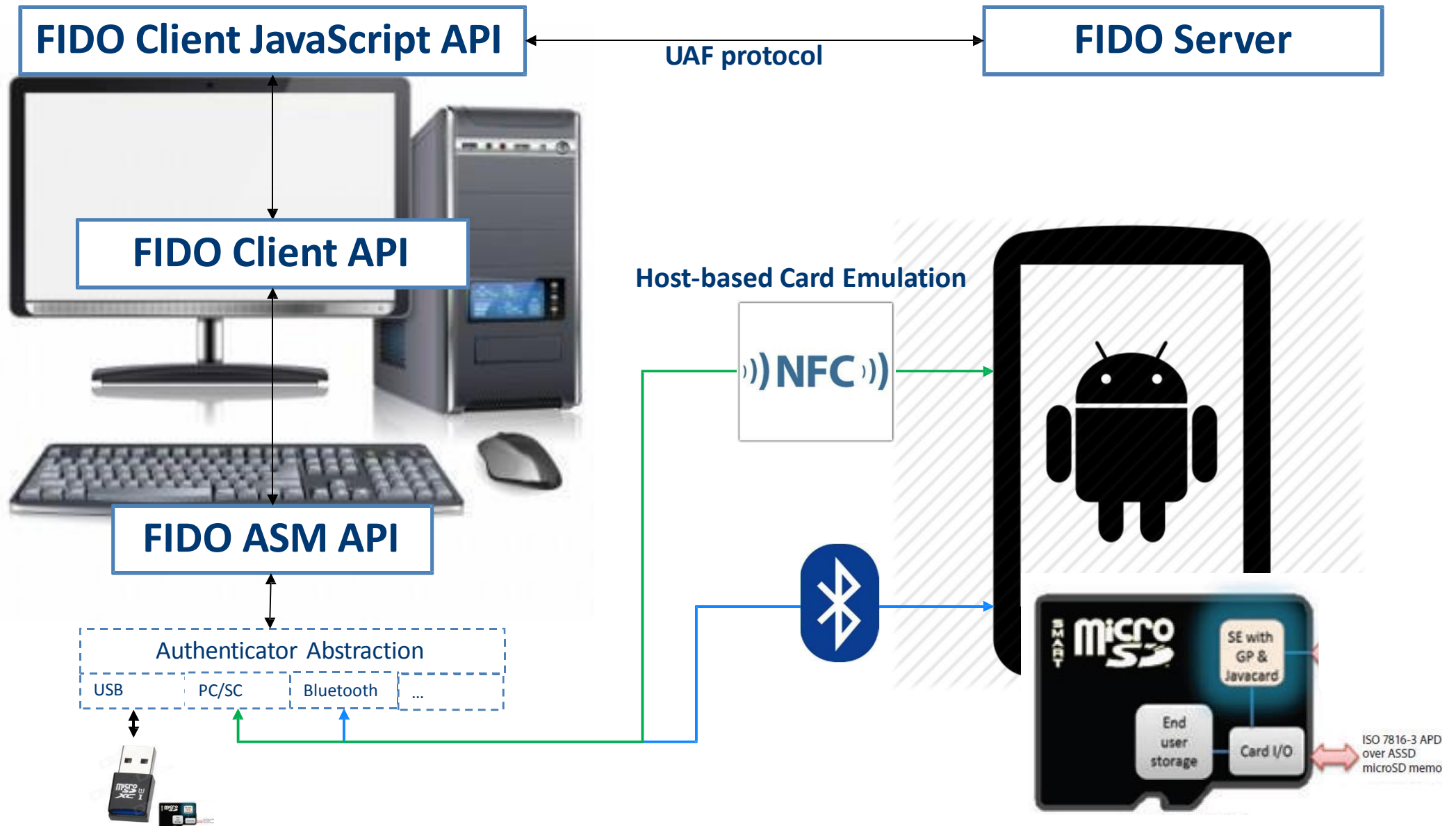


***NURUGO patented and copyright**

Passwordless Authentication with Nurugo* Biometrics



Passwordless Authentication with smartSD Card





Solution Partners



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<http://fidocrypt.com>