### alliance simpler alliance

### EIC Munich 2015

# - Overview -

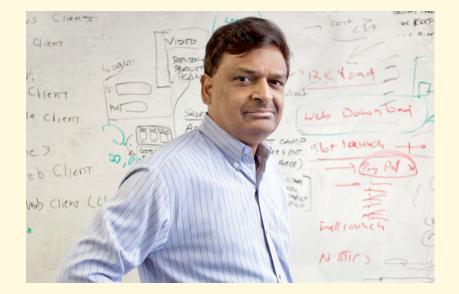
14:00	14:30	FIDO Now	Donal O'Shea, FIDO Alliance
14:30	15:00	FIDO UAF 1.0 Specs: Overview and Insights	Rolf Lindemann, Nok Nok Labs
15:00	15:30	FIDO U2F 1.0 Specs: Overview and Insights	Alexei Czeskis, Google
15:30	15:45	Coffee	
15:45	16:15	FIDO, PKI & beyond: Where authentication meets identification	Kim Nguyen, D-Trust Cord Bartels, CBcon
16:15	16:45	Deploying FIDO: Ins and Outs	Panel: Moderator Matthias Reinwarth, Kuppinger Cole; Kevin Lynch, Synaptics; Bob Stewart, Sonavation; Michael Poitner, NXP; Chris Woodthorpe, Infineon
16:45	17:45	FIDO Ready™ Products	Entersekt-Infineon-Nok Nok Labs-Yubico
17:45	18:00	Q&A Wrap Up	FIDO

# - AGENDA

### **Interoperability Problem**

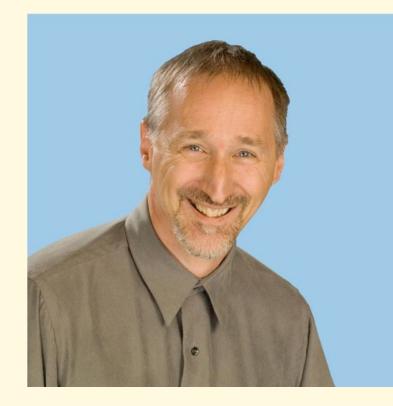
# Password Problem FIDO Solution About FIDO

### The FIDO Story

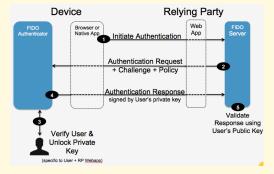


### validity.

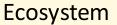


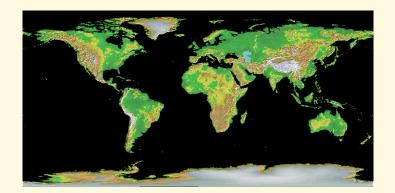


### The FIDO Story -2 \_\_\_\_



### Technology





# - AGENDA

### **Interoperability Problem**

### **Password Problem**

# FIDO Solution About FIDO

### Cyber crime is out of

# CONTROL

Anthem now says 78.8M were affected by breach

Hacked

#### MORE LIKE THIS



Health insurer Anthem discloses customer an employee data breach



State-sponsored Chine hackers suspected in A breach

U.S. states want Anthem to provide quickly to customers

on IDG Answers 🔺 Mitt Romney thinks we need more H do you agree?

> Simplify IT with the Cisco Unified



JPMorgan Chase Hacking Affects 76 Million Households

Not

Vy JESSICA SILVER-GREENBERG, MATTHEW COLDSTEIN and NICOLE PERLROTH OCTOBER 2, 2014 12:50 PM

Target Now Says 70 Million People Hit in Data Breach

# 528 Comments



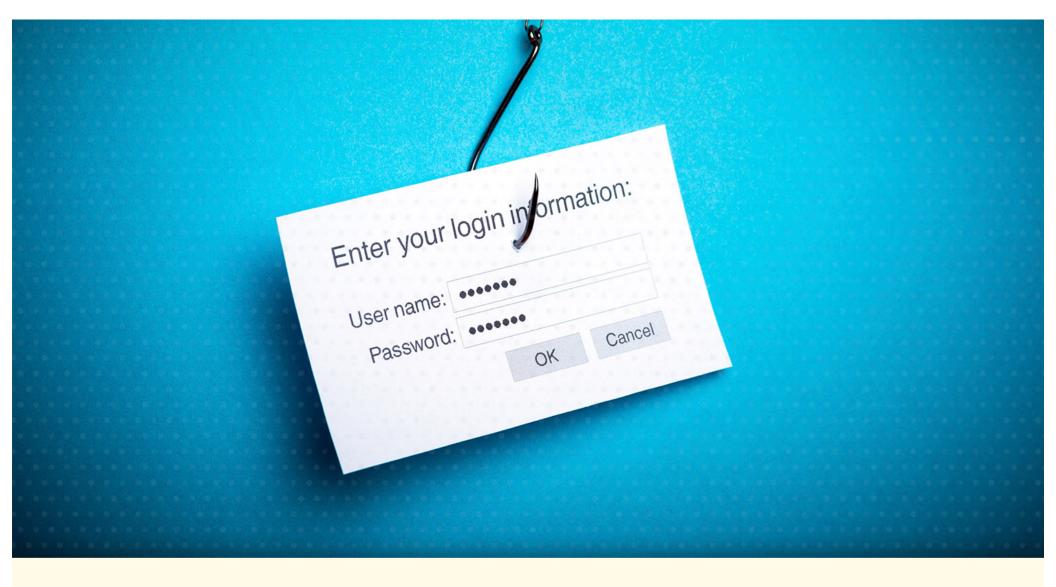


# IN 2014...708 data breaches 82 million personal records stolen

# \$92.3 MILHON: Average annual loss to mobile fraud

106

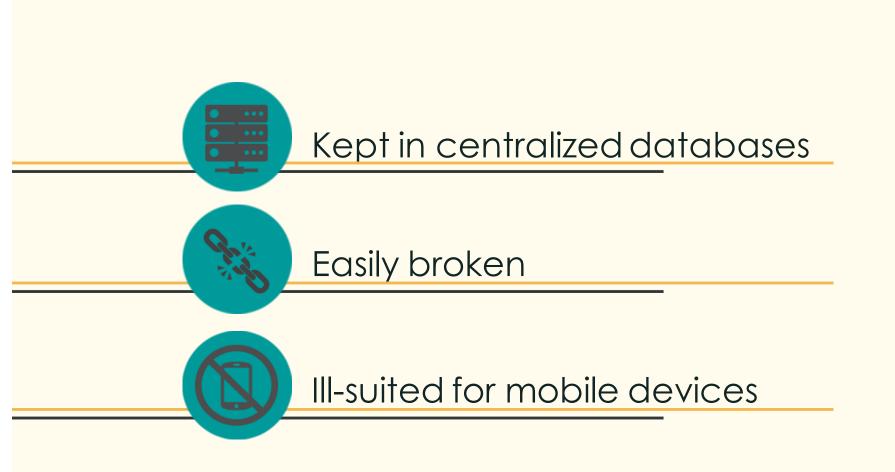
### **\$3.5 MILLON:** Average cost per data breach



### We have a **PASSWORD PROBLEM**

### Passwords no longer keep us **safe**

LOGIN



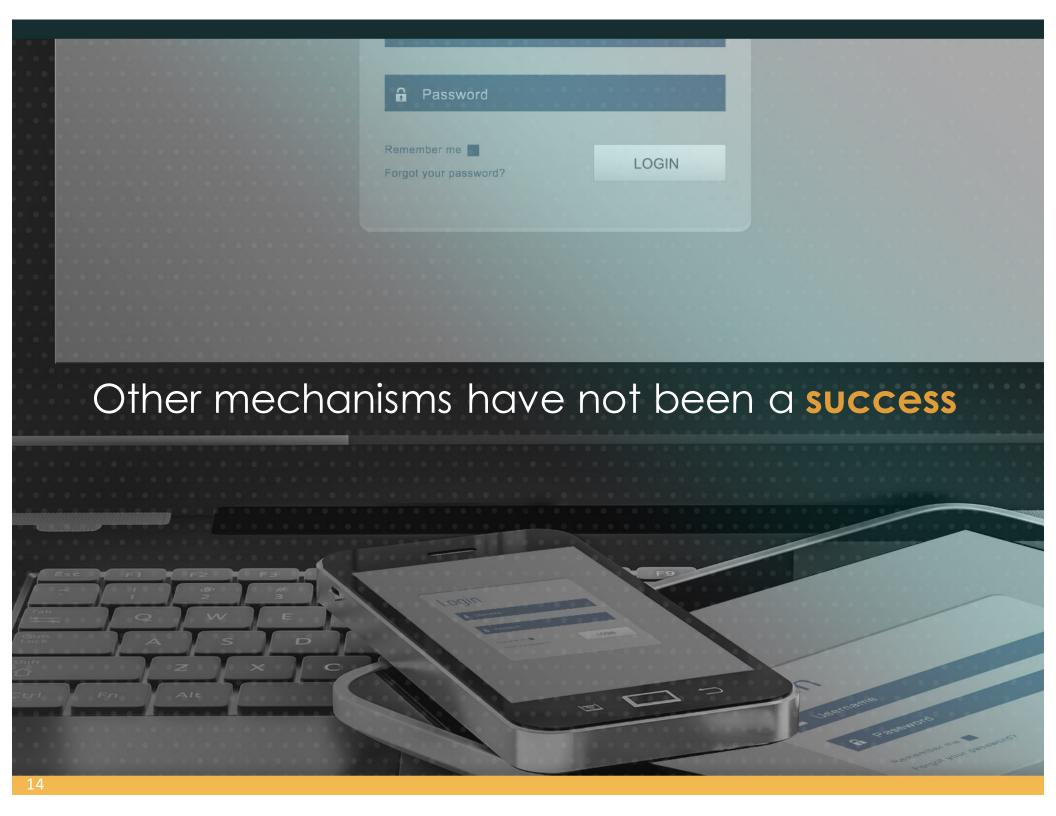
### TOO MANY TO REMEMBER, DIFFICULT TO TYPE, AND NOT SECURE

Phished



Keylogged

**Re-used** 



### ONE-TIME CODES Improve security but aren't easy enough



Coverage/Delay/Cost



One per site/ Fragile



User Confusion



Know attacks today

# WE NEED A NEW MODEL

### The FIDO Story-3

- Relevant companies with compelling interest
  - The FIDO founders
    - PayPal, Lenovo, Nok Nok Labs, Validity Sensors, Infineon, and Agnitio
  - Meetings started about four years ago
    - Technology initial scoping and approach
    - Ecosystem everybody talk to their friends
    - Legal
      - Create an organization that
        - » Protects IP and
        - » Prevents antitrust

### Putting It Together -

### The problem:

Simpler, Stronger, Interoperable online authentication

The trend: Local device authentication

### Why not:

Use local device auth for online authentication?

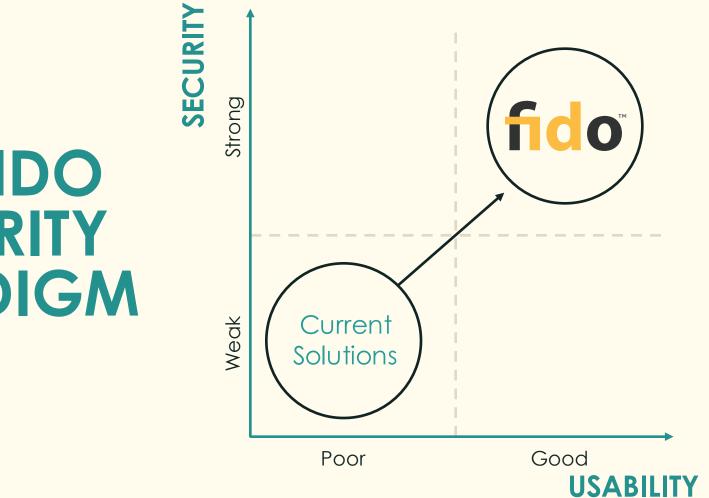
This is the core idea behind FIDO standards!

# -Weneed-

# **Interoperability Problem**

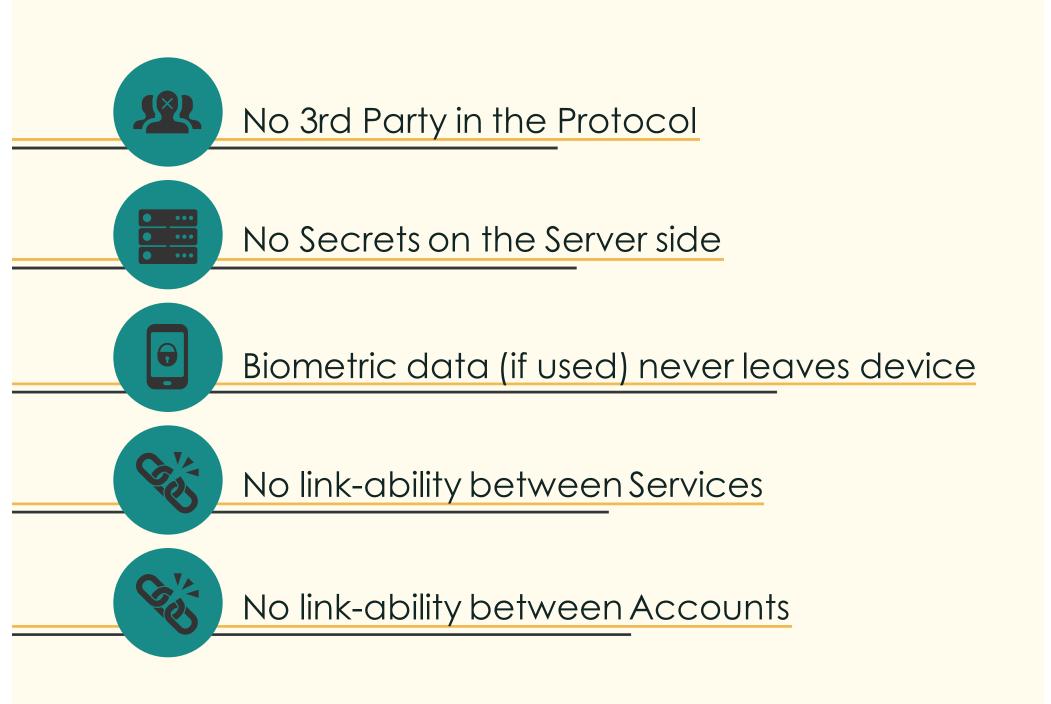
- AGENDA

# Password Problem FIDO Solution About FIDO



### THE FIDO SECURITY PARADIGM

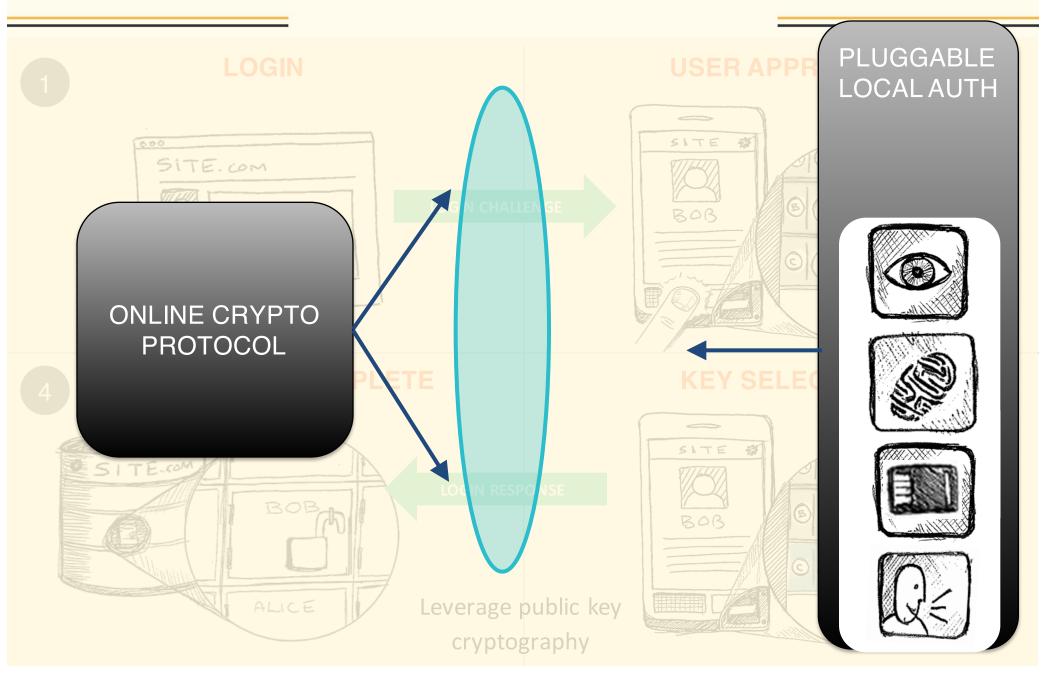
# THE FOCUS IS PRIVACY



# THE ECOSYSTEM -



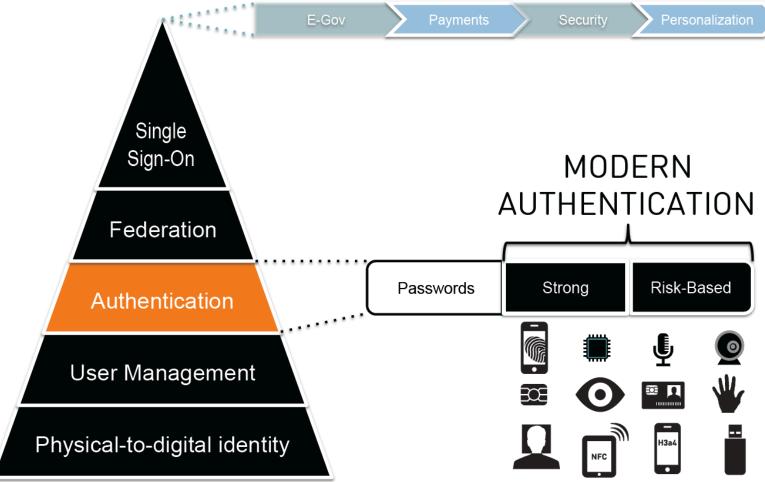
### **FIDO Standardization**



### Not boiling the sea

### Identity Stack

Authentication in Context



### =Security for **providers**

### Reduced enterprise costs

### -Simple for consumers

FOR CONSUMERS













Reduced cost & complexity



Strong asset protection



Effective BYOD support

### FOR ONLINE SERVICE PROVIDERS



Exceptional user experience



Stronger Security Cost containment

### LOWER COST AND COMPLEXITY FOR ONLINE SERVICE PROVIDERS



Single Infrastructure



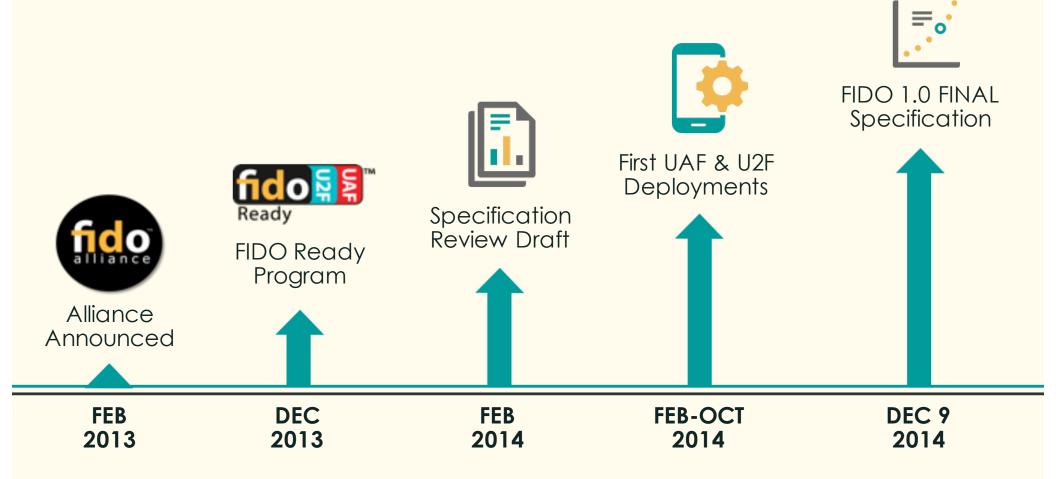
Risk Appropriate

# - AGENDA

# Interoperability Problem Password Problem FIDO Solution

### About FIDO

# **FIDO TIMELINE**



# A broad range of **board**, **associate**, **& sponsor members**





Sponsor Members

CHERRY 🎲	GafeNet. THE PROTECTION COMPANY	
aetna		
technologies	plantronics <sub>®</sub>	
gemalto <sup>×</sup>	SAFRAN Morpho	
	WELLS FABGO	
SlackBerry.	FARGO	
infineon	Electronics and Talecommunications	
	USAA°	
Osterreichische Staatsdruckerei	⊘prickz	
Rambus	⊘ prickz	
SK telecom		
life.augmented	LG Electronics	
	🅓 Sonavation	
AUTHASAS We make authentication work	KILAD)) Kili Technology Corp.	

We make authentication work





Associate Members

IS IT YOU
<b>B</b> Facebanx
<b>CHANG!NG</b> 全景軟體
DigiFlak
onegini وہ
AR AN Presetting the App Economy
<b>企いていた</b> 亚略特生物识别科技
<b>PAYFONE</b>
TRUST REGISTERED TRUST BUNDESDRUCKEREI
Bluink Ltd.
st mepin
Speech Technology Center
<b>CREA</b> plus
を Athena Eyes 智慧眼
Ciptor

E LoginPeople
<b>ê</b> toopher
SHIFT
digital <b>Persona</b> . TECHNOGLOBAL NEOWAVE
Techshino
Internetional Systems Research Co.
e wwpass°
CREAplus
PixelPin
SOLACIA
biom <b>ids</b>
RUOU
j-Metrics
ENCAP. SECURITY
BehavioSec

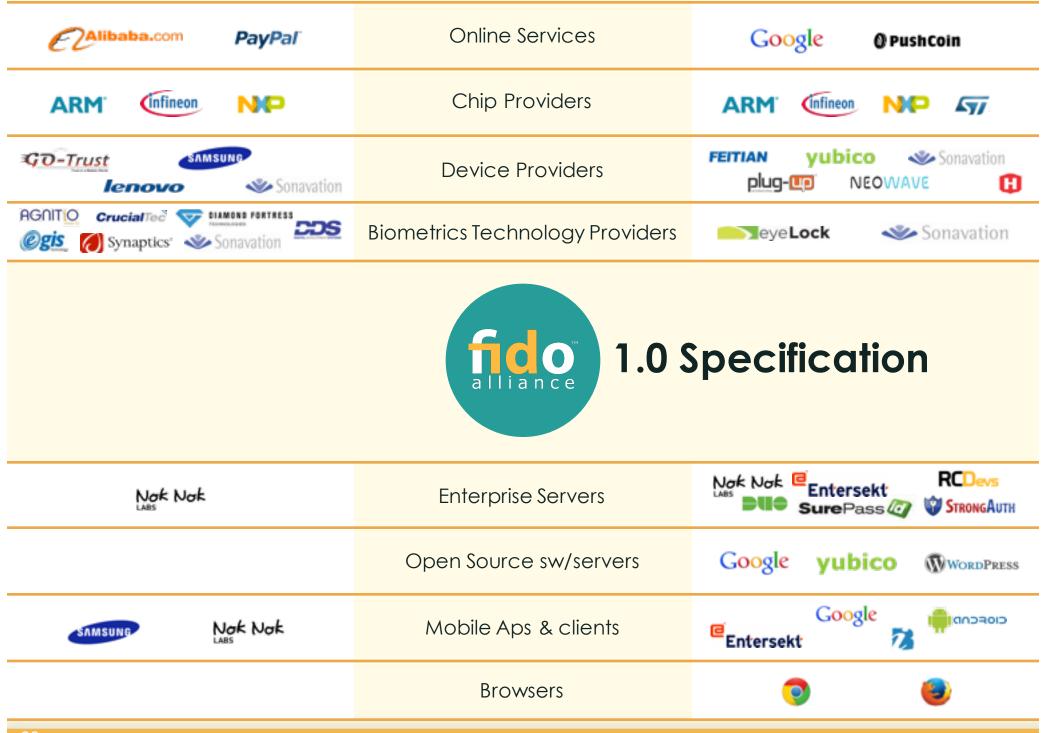
onelogin	
🗐-film	
<b>OFacePhi</b>	-
CBA	
Winfrasoft	
Verbio	
mT monkeetech	
	мц
eyeverify PRECiSE BIOMETRICS OneVisage	()
	(
NEOWAVE	
SHEMIT 德卡科技有眼公司 SHEMIZHEN DECARD SMARTCARD TECH CO.,LTD.	1
STARTEK	
Verbio	
certgate ᡇ	M
voicevault	S S
Сактив	
🍃 softgiken	



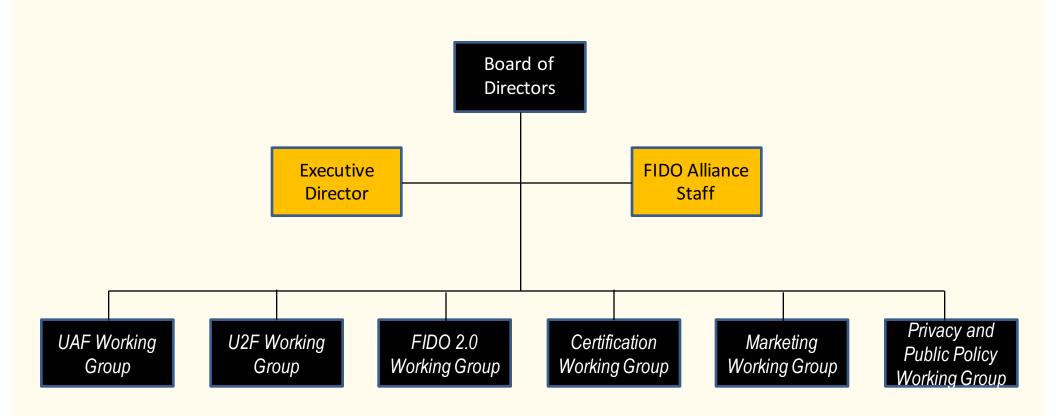
C Qu

1

### A range of FIDO PRODUCTS is now available



### The FIDO Alliance



# JOIN THE FIDO ALLIANCE

### Join FIDO

- Three levels of membership
  - Board of Directors
  - Member
  - Associate
- Website

<u>www.fidoalliance.org</u>

• Email me

donal@fidoalliance.org

### alliance simpler alliance

### **EXPERIENCE SIMPLER, STRONGER AUTHENTICATION**