

INTRODUCTION TO THE FIDO ALLIANCE

ALAIN MARTIN

CO-CHAIR, FIDO EUROPE WORKING GROUP

DIRECTOR, FIDO ALLIANCE BOARD

VP, STRATEGIC PARTNERSHIPS, GEMALTO

THE WORLD HAS A PASSWORD PROBLEM



81%

Data breaches in 2016 that involved **weak, default, or stolen passwords**¹



65%

Increase in **phishing attacks** over the number of attacks recorded in 2015²



1,579

Breaches in 2017, a **45% increase** over 2016³

¹Verizon 2017 Data Breach Report | ²Anti-Phishing Working Group | ³Identity Theft Resource Center 2017

SOME HEADLINES...

WIRED

**SO, UH, THAT BILLION-ACCOUNT
YAHOO BREACH WAS ACTUALLY
3 BILLION**

The Register

Sensitive client emails, usernames,
passwords exposed in Deloitte hack

Mashable

Someone is selling 33 million Twitter
passwords on the dark web

The New York Times

*Target to Pay \$18.5 Million to 47
States in Security Breach Settlement*

Fortune

LinkedIn Lost 167 Million Account Credentials in Data
Breach

ars technica

Cluster of “megabreaches” compromises
a whopping 642 million passwords

PASSWORDS ARE NOT USER FRIENDLY



CLUMSY

MULTIPLE... OR SHARED ACROSS SERVICE !

HARD TO REMEMBER

NEED TO BE CHANGED ALL THE TIME

THE NEW MODEL

Fast
IDentity
Online

open standards for
simpler, stronger authentication
using public key cryptography

FIDO IN A NUTSHELL

The FIDO Alliance is an open industry association of over 250 organizations with a focused mission:

Today, its members provide the world's largest ecosystem for standards-based, interoperable authentication

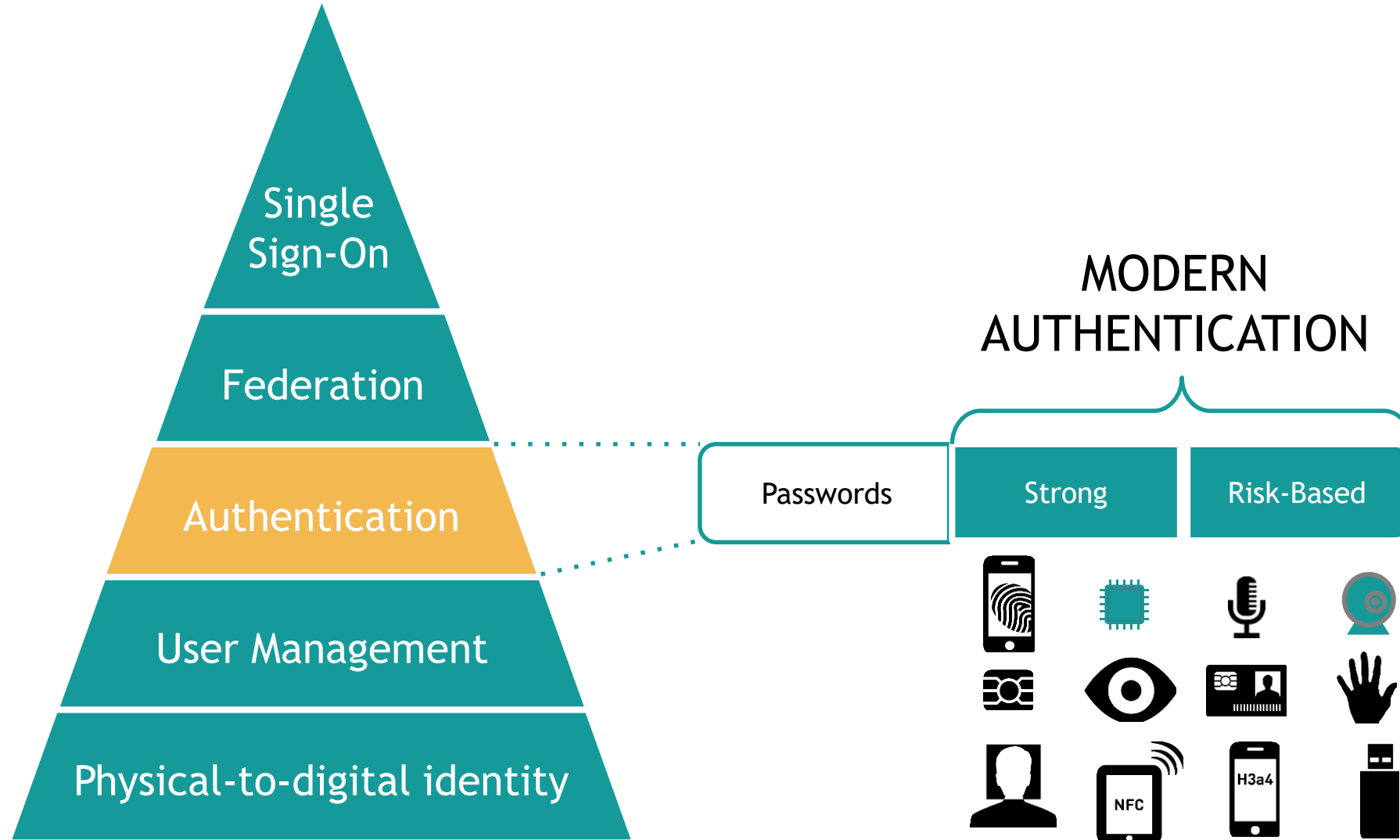
AUTHENTICATION STANDARDS

based on public key cryptography to solve the password problem

450+
FIDO Certified solutions

Available to protect
3 BILLION
user accounts worldwide

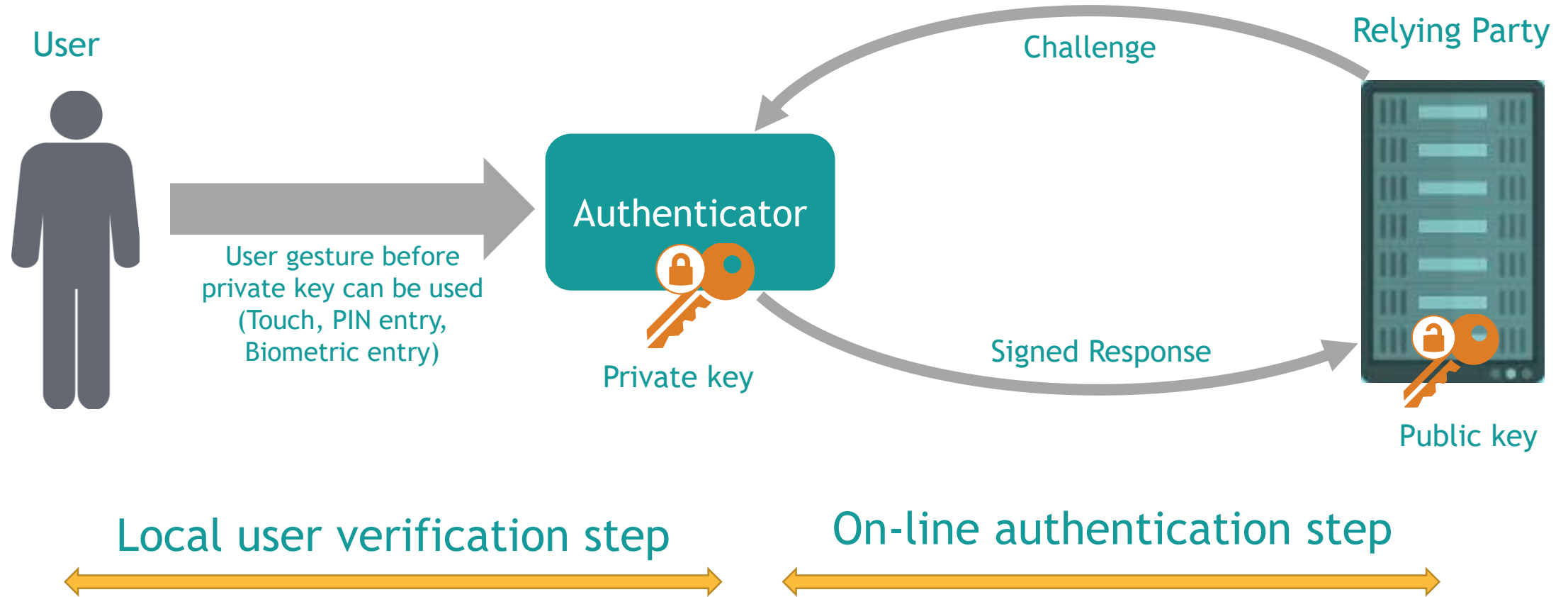
FIDO SCOPE



HOW OLD AUTHENTICATION WORKS



HOW FIDO AUTHENTICATION WORKS



SIMPLER AUTHENTICATION



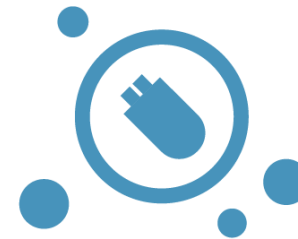
Reduces reliance
on complex
passwords



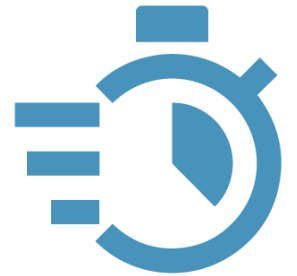
Single gesture
to log on



Works with
commonly used
devices

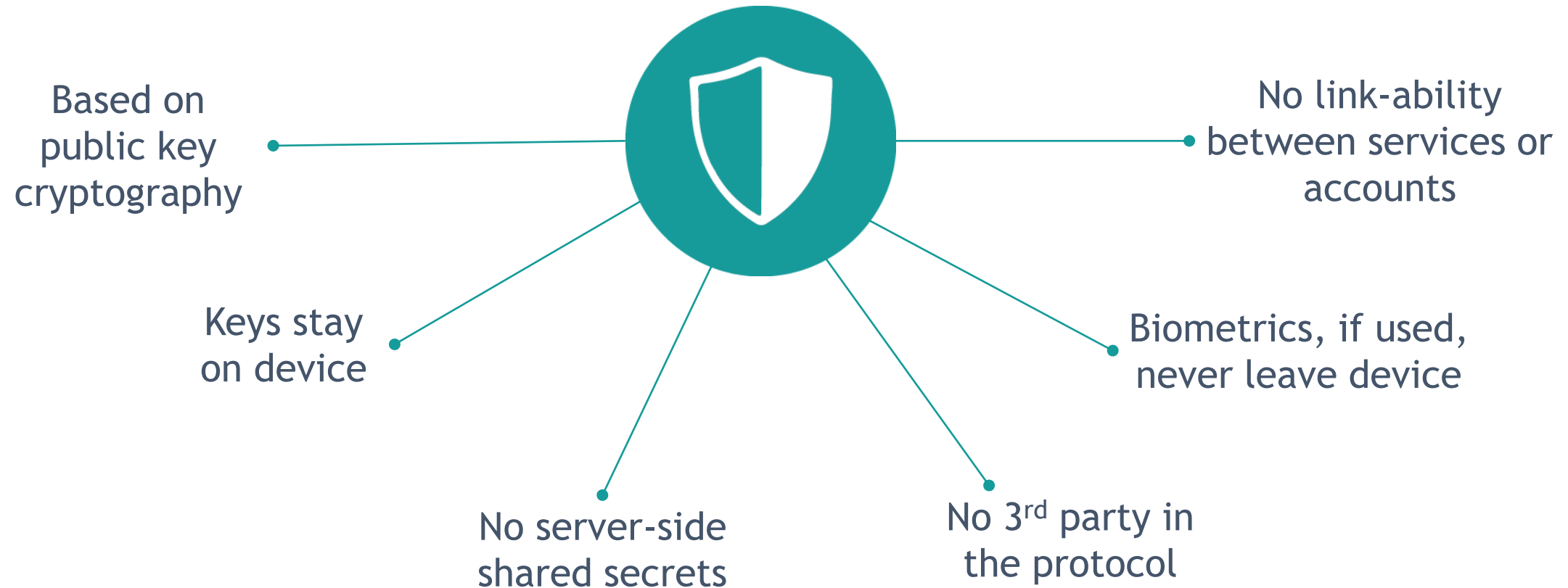


Same
authentication on
multiple devices



Fast and
convenient

STRONGER AUTHENTICATION



FIDO Specifications

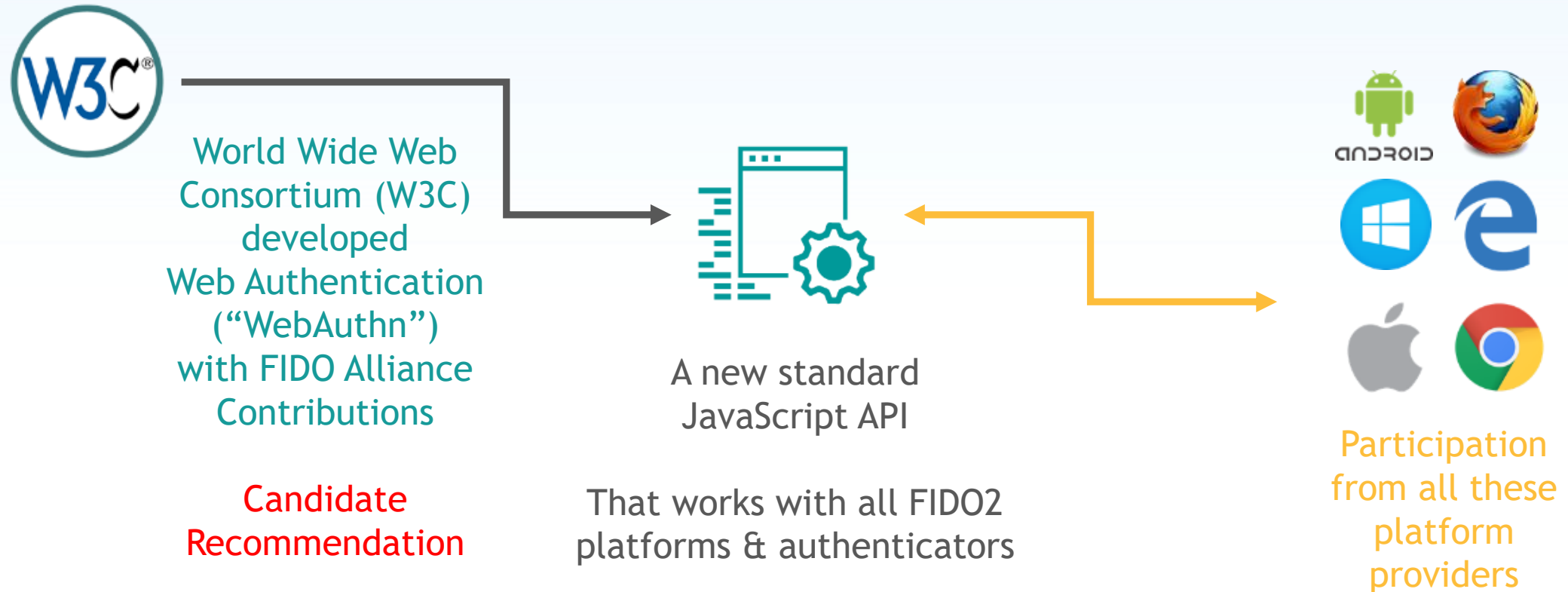
FIDO2 Project

FIDO UAF
FIDO U2F
(@FIDO)

CTAP
(@FIDO)

WebAuthn
(@W3C)

WEBAUTHN BRINGS FIDO TO THE WEB BROWSER



FIDO CROSS-PLATFORM SUPPORT



HOW TO BUILD AN ECOSYSTEM?

MEMBERS & PARTNERS

CERTIFICATIONS

DEPLOYMENTS

SPECIFICATIONS



LEADING THE EFFORT TO SOLVE THE PROBLEM



FIDO board members include leading global brands and technology providers

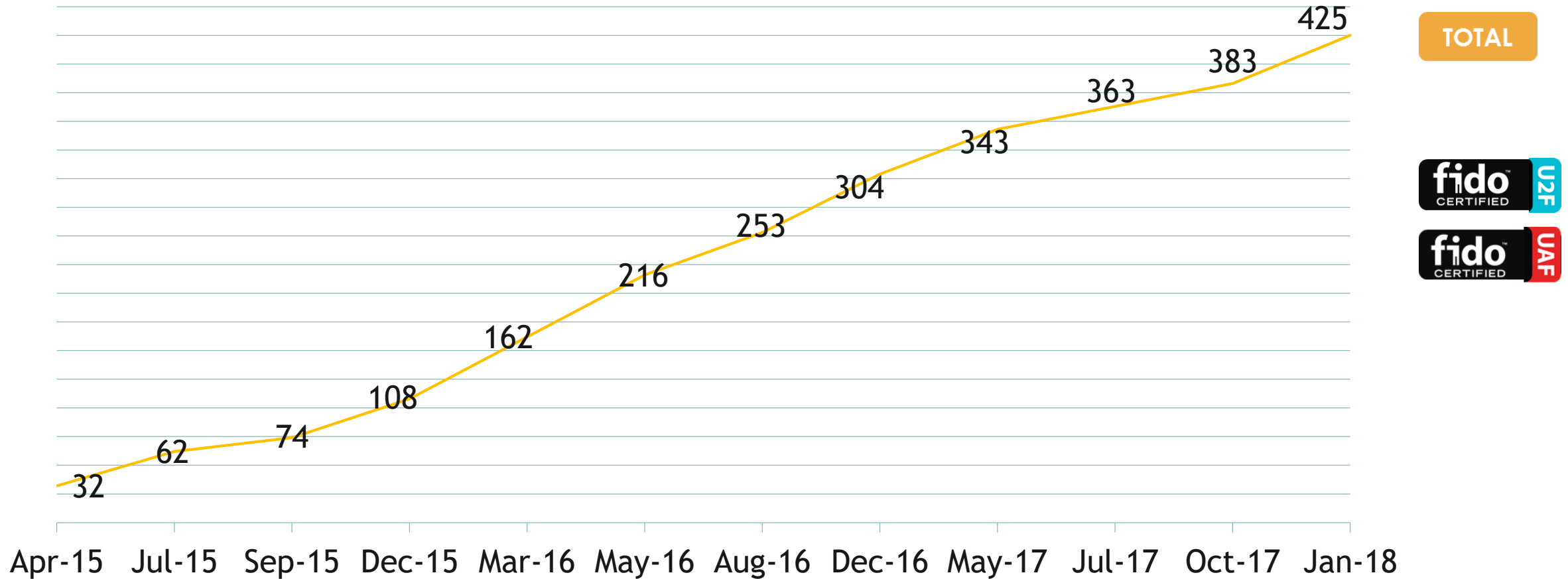


+ SPONSOR MEMBERS

+ ASSOCIATE MEMBERS

+ LIAISON MEMBERS

BY THE NUMBERS: CERTIFICATIONS



SAMPLE: FIDO-ENABLED SERVICES



AVAILABLE TO PROTECT

3.5 BILLION

ACCOUNTS WORLDWIDE



FIDO DELIVERS ON KEY PRIORITIES



Security



Usability



Privacy



Interoperability

Join the FIDO Ecosystem

Build FIDO Certified Solutions

Deploy

Join the Alliance

Take Part in FIDO Events

www.fidoalliance.org

Several wireframe spheres of various sizes and colors (red, blue, yellow) are scattered on the left side of the slide. The largest sphere is red and occupies the upper left quadrant. Other smaller spheres in blue and yellow are positioned below and to the right of it.

THANK YOU

WW.FIDOALLIANCE.ORG