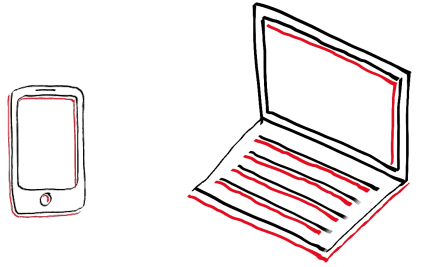
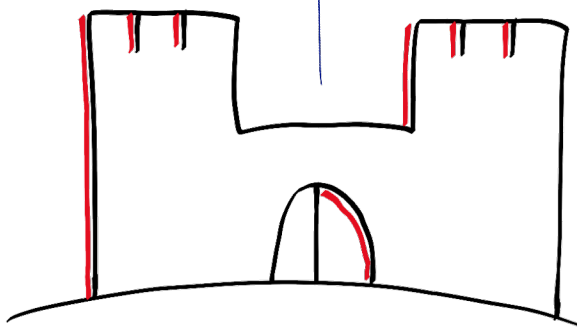
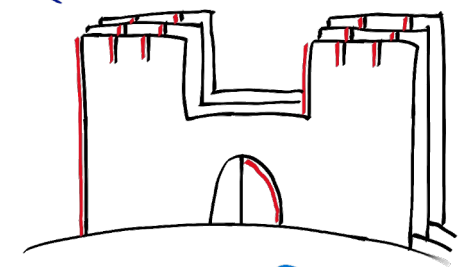


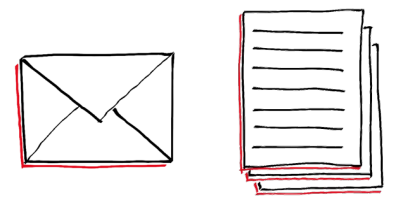
# Willkommen beim Security Workshop:

Richard Remen - [rr@prabi365.com](mailto:rr@prabi365.com)

Andreas Breitenfelder – [ab@prabi365.com](mailto:ab@prabi365.com)



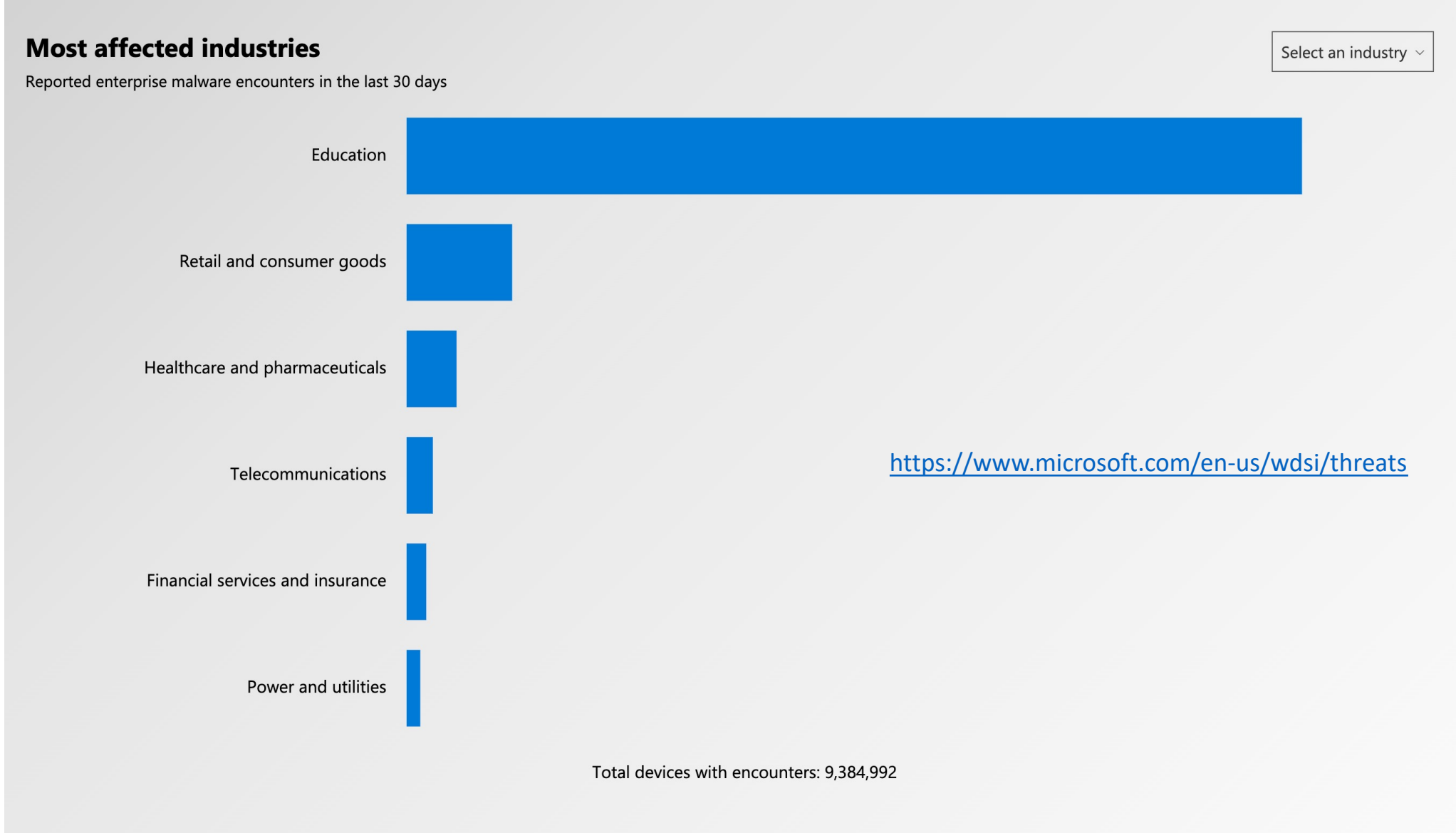
Intune Win10  
MDM, MAM AV, ATP



Azure Information Protection

# Am stärksten betroffene Branchen

Platz 1 = Bildungseinrichtungen



# Aktuelle Bedrohungen?

- Phishing (Vorgabe falscher Tatsachen)
- Key Logging (Bespitzeln)
- Ransomware (Erpressung)
- Identitätsdiebstahl
- Social Engineering (Erschleichen)

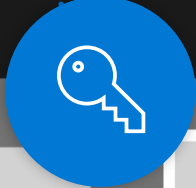


Identity & access management

Threat protection

Information protection

Security management



Over 3,800  
breaches in first half of 2019

---

54% increase  
since 2018

## PHISHING

#1 breach threat action

70% Of all attacks now involve  
attempts at lateral  
movement

## STOLEN CREDS

#2 breach threat action

34% Of breaches  
involved internal  
actors

# WIE LANGE DAUERT ES, EIN **PASSWORT** MIT EINEM BRUTE-FORCE-ANGRIFF ZU KNACKEN?

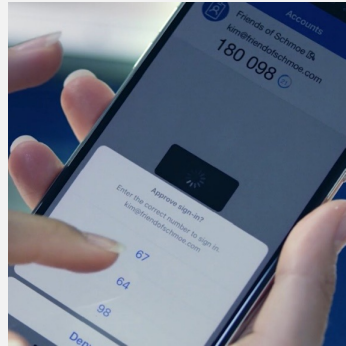
Zeichenanzahl	Nur Zahlen	Kleinbuchstaben	Groß- und Kleinbuchstaben	Zahlen, Groß- und Kleinbuchstaben	Zahlen, Groß- und Kleinbuchstaben und Symbole
4	sofort	sofort	sofort	sofort	sofort
5	sofort	sofort	sofort	sofort	sofort
6	sofort	sofort	sofort	sofort	sofort
7	sofort	sofort	2 Sekunden	7 Sekunden	31 Sekunden
8	sofort	sofort	2 Minuten	7 Minuten	39 Minuten
9	sofort	10 Sekunden	1 Stunde	7 Stunden	2 Tage
10	sofort	4 Minuten	3 Tage	3 Wochen	5 Monate
11	sofort	2 Stunden	5 Monate	3 Jahre	34 Jahre
12	2 Sekunden	2 Tage	24 Jahre	200 Jahre	3 Tsd. Jahre
13	19 Sekunden	2 Monate	1 Tsd. Jahre	12 Tsd. Jahre	202 Tsd. Jahre
14	3 Minuten	4 Jahre	64 Tsd. Jahre	750 Tsd. Jahre	16 Mio. Jahre
15	32 Minuten	100 Jahre	3 Mio. Jahre	46 Mio. Jahre	1 Mrd. Jahre
16	5 Stunden	3 Tsd. Jahre	173 Mio. Jahre	3 Mrd. Jahre	92 Mrd. Jahre
17	2 Tage	69 Tsd. Jahre	9 Mrd. Jahre	179 Mrd. Jahre	7 Bio. Jahre
18	3 Wochen	2 Mio. Jahre	467 Mrd. Jahre	11 Bio. Jahre	438 Bio. Jahre

# Changing the game with passwordless

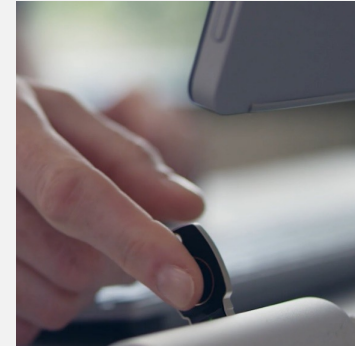
Make sign-in even more seamless and secure



Windows Hello



Microsoft Authenticator



FIDO2 Security Keys

Passwordless  
Momentum

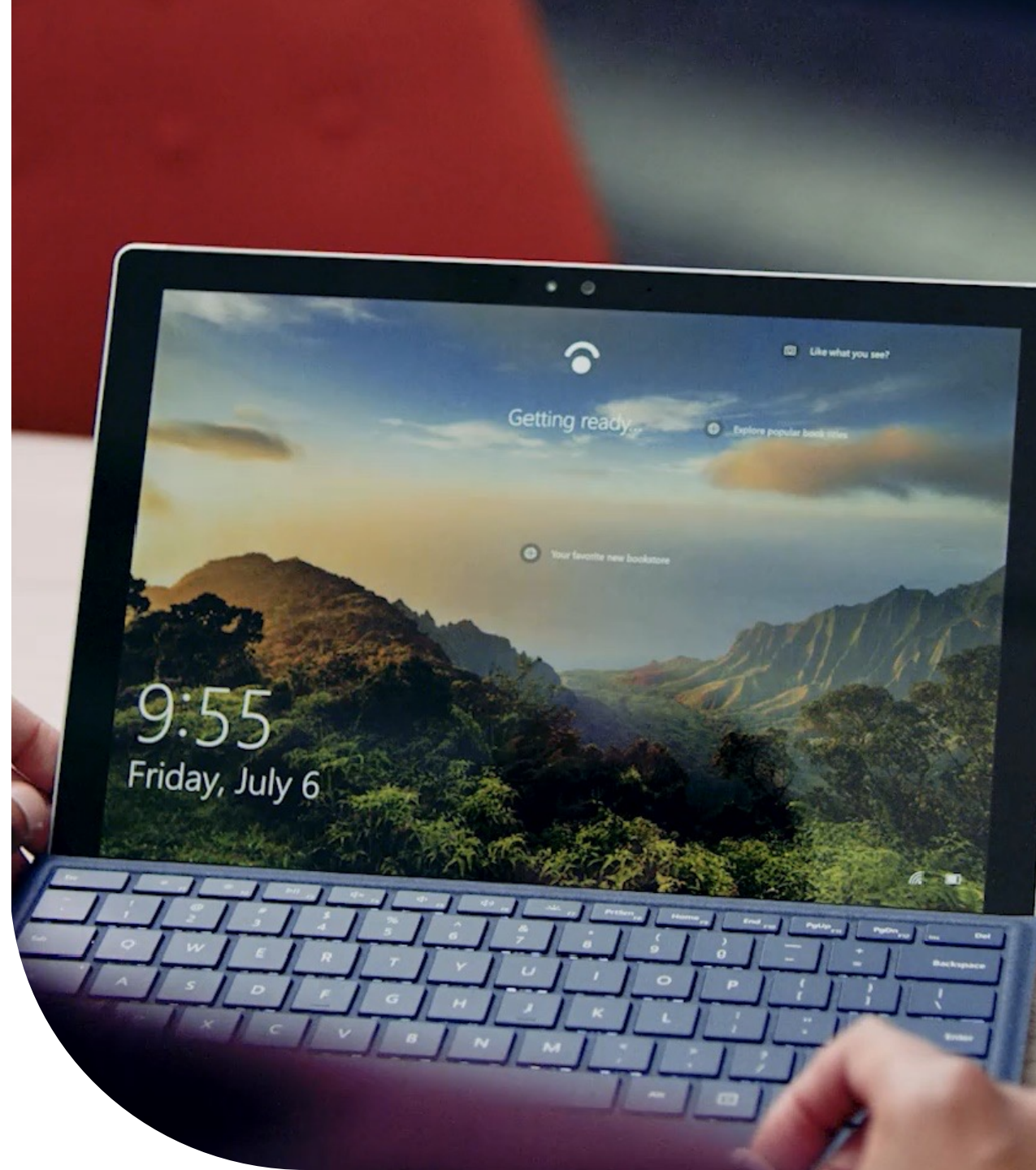
200M+

| Active  
passwordless users



# Windows Hello

Microsoft's premier passwordless experience



# Windows Hello

## User friendly and privacy protecting

- Passwordless: biometrics or a PIN
- SSO with windows apps
- Biometrics never leave the device
- Private key is never shared

## Enterprise-grade

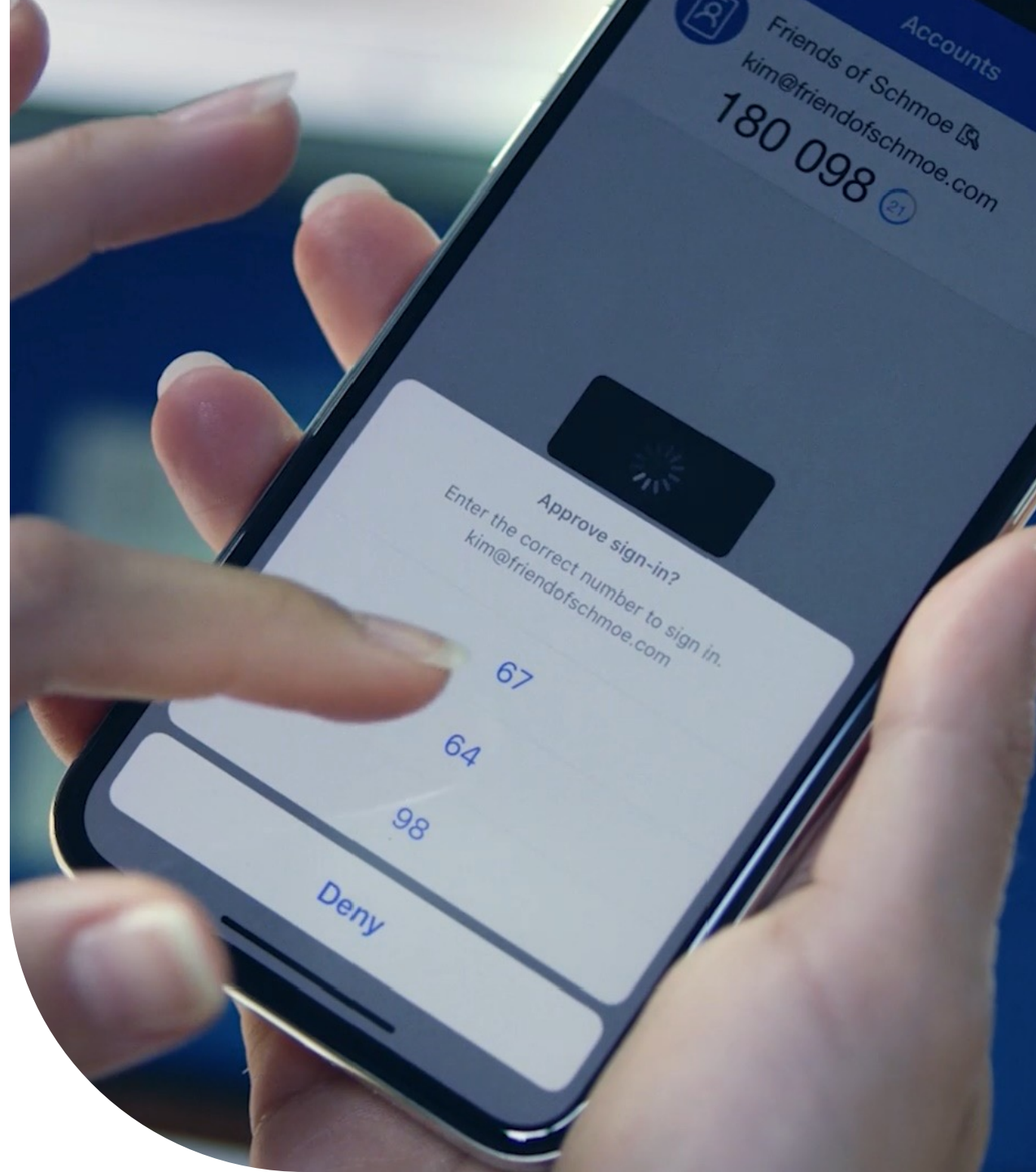
- Strong two-factor authentication
- Asymmetric key pair auth model
- Can be deployed in cloud, hybrid, or on-premises environments
- Key- or certificate-based options





# Microsoft Authenticator

Microsoft's passwordless anywhere  
solution



# Microsoft Authenticator

## Overview

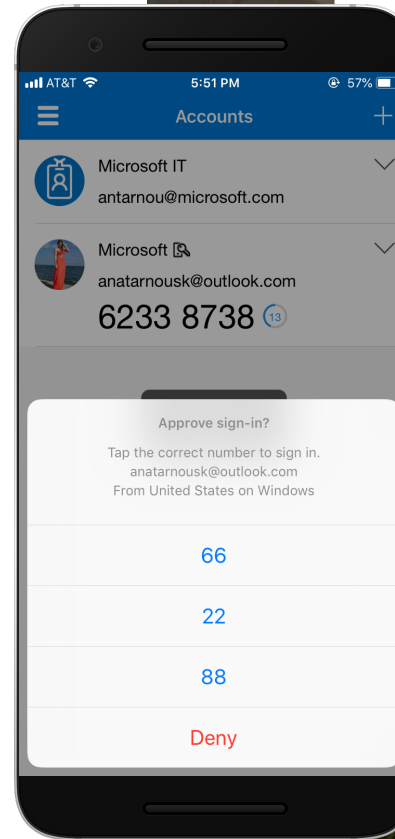
- Standards based MFA
- Supports TOTP, Push Approvals, Biometrics + Number Match

## Windows 10

- Passwordless authentication – i.e. device registration in OOBE, Windows Hello provisioning

## Mobile

- SSO to native mobile apps



← anatarnousk@outlook.com

## Approve sign in

Tap the number you see below in your Microsoft Authenticator app to sign in.

66

Keep me signed in

[Other ways to sign in](#)



## Azure Sentinel

# Protection across the attack kill chain

## Microsoft Cloud App Security

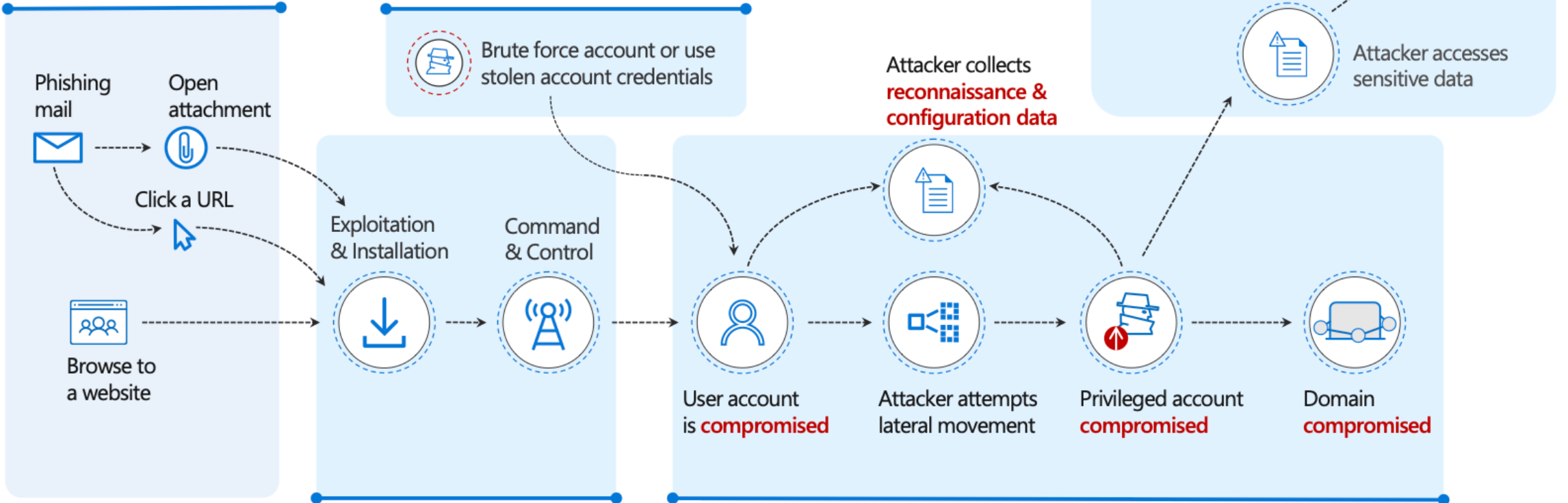
Extends protection & conditional access to other cloud apps

## Office 365 ATP

Malware detection, safe links, and safe attachments

## Azure AD Identity Protection

Identity protection & conditional access



## Microsoft Defender ATP

Endpoint Detection and Response (EDR) & End-point Protection (EPP)

## Azure ATP

Identity protection