



Identity Protection: meer dan enkel een wachtwoord



Praktische afspraken

- Vragen via chat
- Iedereen op mute
- Q&A na de presentatie
- Evaluatie met link naar de slides worden na het event doorgestuurd

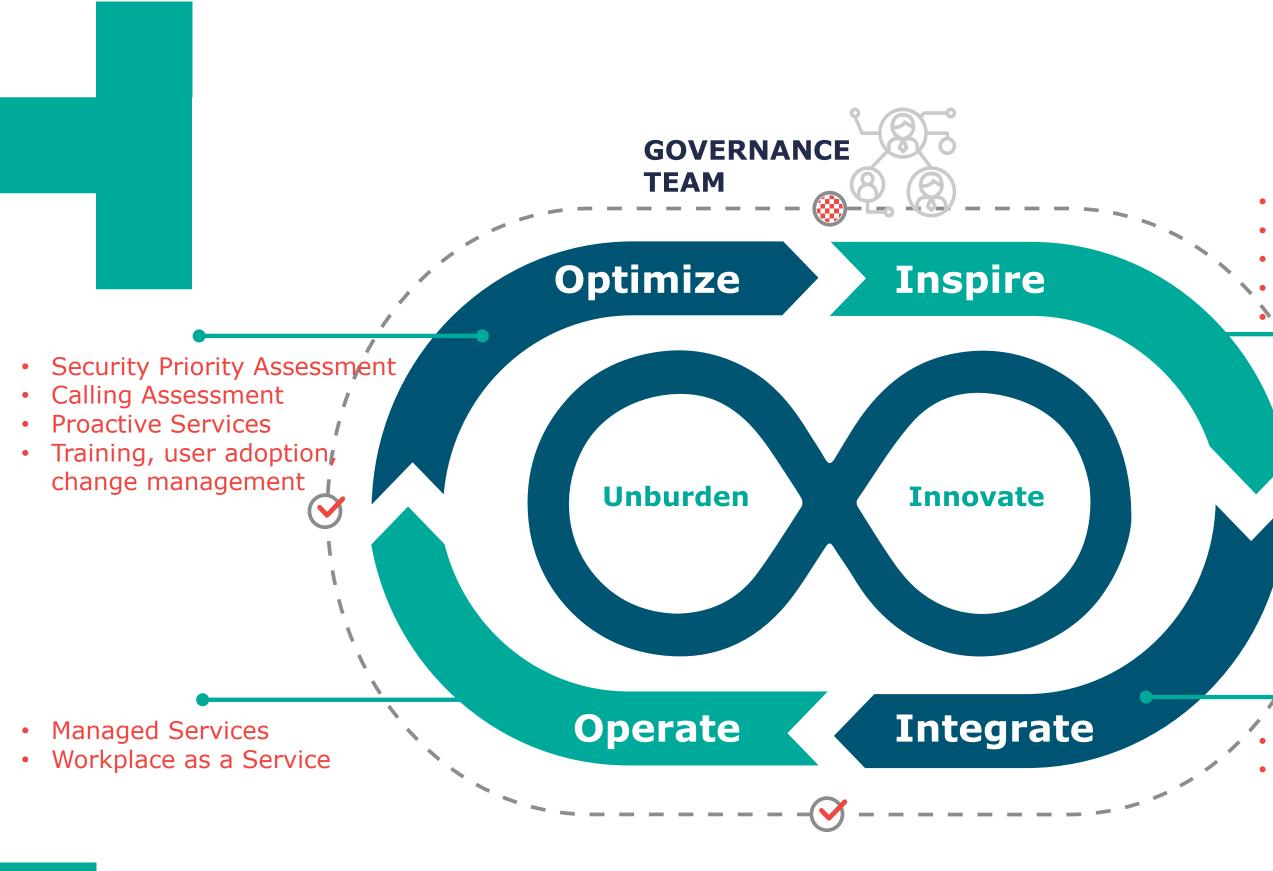


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Positive digital flow

Zero Trust - Identity





- This meeting
- Wiki events

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- Business Productivity Roadmap
- M365 Roadmap
- M365 Jumpstart



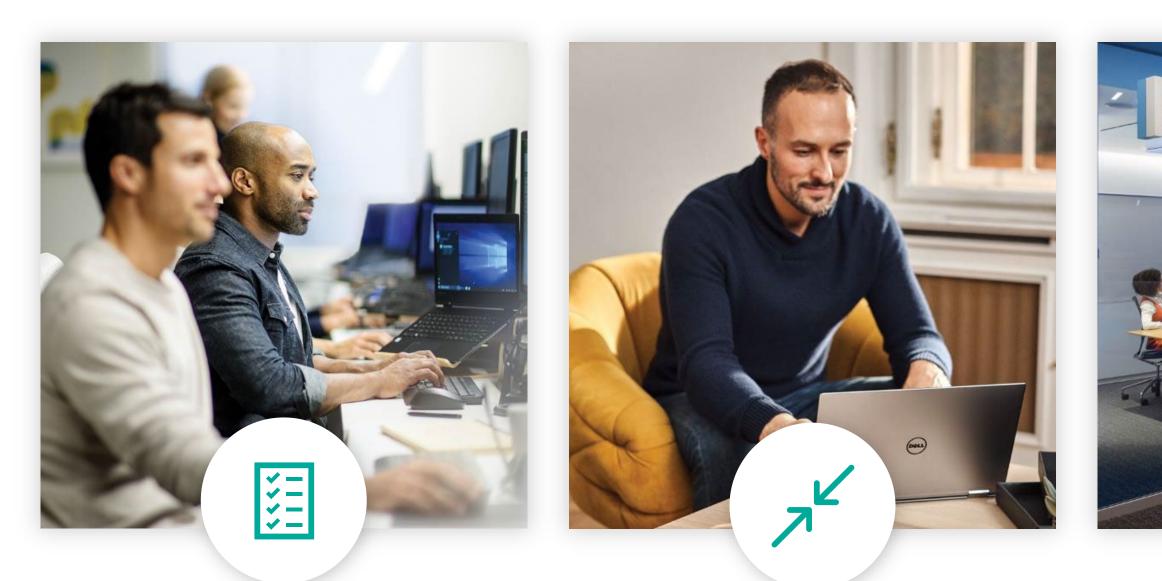
Zero Trust Roadmap

	Identities	Devices	Network & Infrastructure	Applications	Data
TRADITIONAL	No SSO between cloud and on-premises apps Visibility into identity risk is very limited	Devices are domain joined No overview and inventory of devices	Flat open network with unencrypted traffic Minimal threat protection	On-premises apps and no cloud apps No overview of shadow IT	Access is governed by perimeter Unencrypted and without classification
ADVANCED	Basic conditional access policies with basic MFA Cloud identity federation and visibility into identity risk	Devices are registered with a cloud identity provider DLP policies for BYOD	Basic network segmentation Cloud native filtering and threat protection	Apps configured with SSO + discover shadow IT Critical apps are monitored	Access is governed by classification Encrypted and classified via keywords
OPTIMAL	Password less authentication Phishing-proof MFA User behavior is analyzed in real time	Endpoint threat protection is used to monitor device risk Access control is gated on device risk	Micro segmentation ML-based threat protection and filtering	Apps are available using least privilege access In-session monitoring and response	Classification by AI DLP policies based on classification
	Enforce least privilege access	Continuous risk-based asset management	All traffic is encrypted	Assess the security posture of cloud apps	Access governed by cloud security policy engine

Visibility, analytics, automation & governance



A new reality needs new principles



Verify explicitly

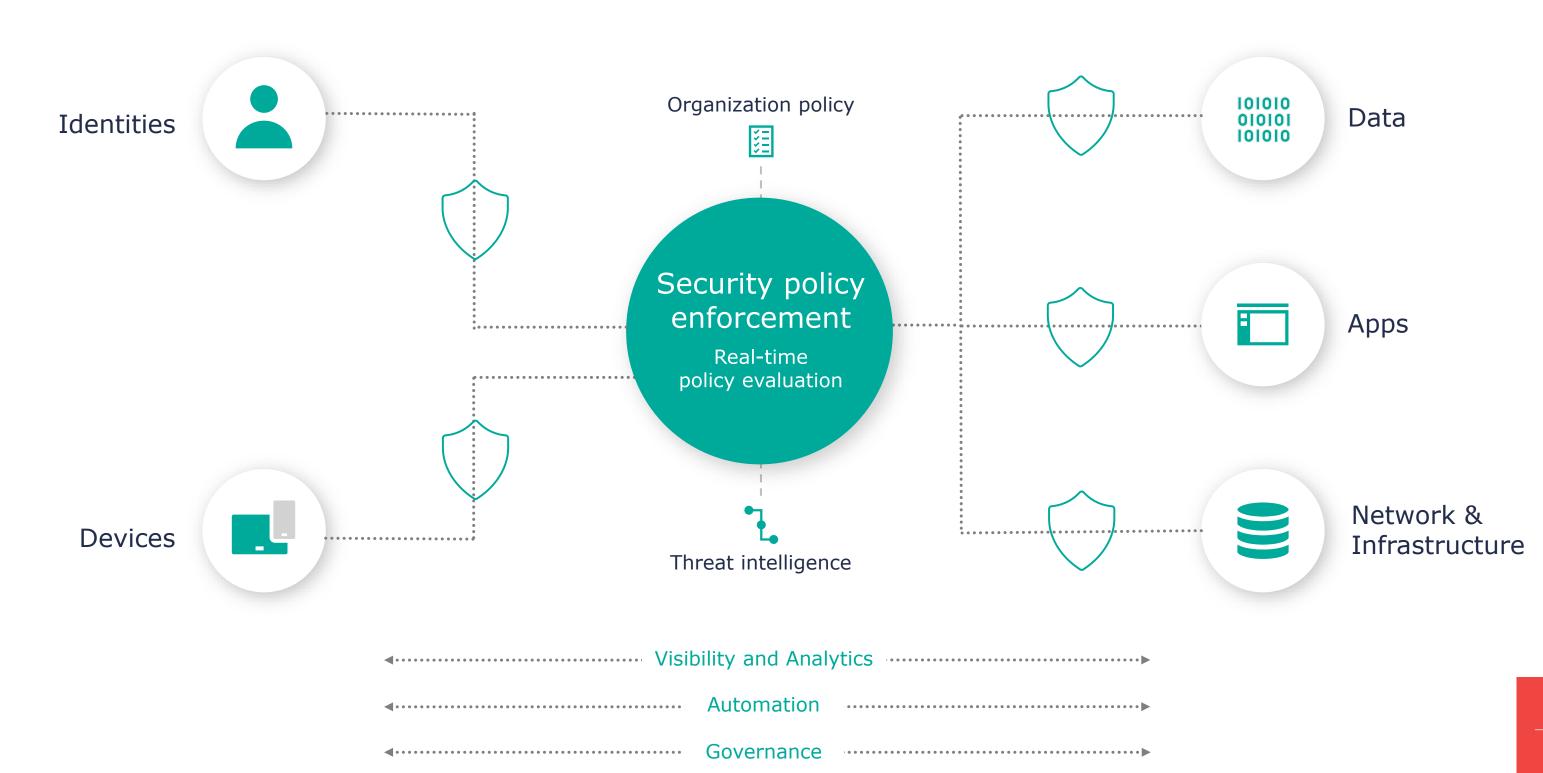
Use least privilege access





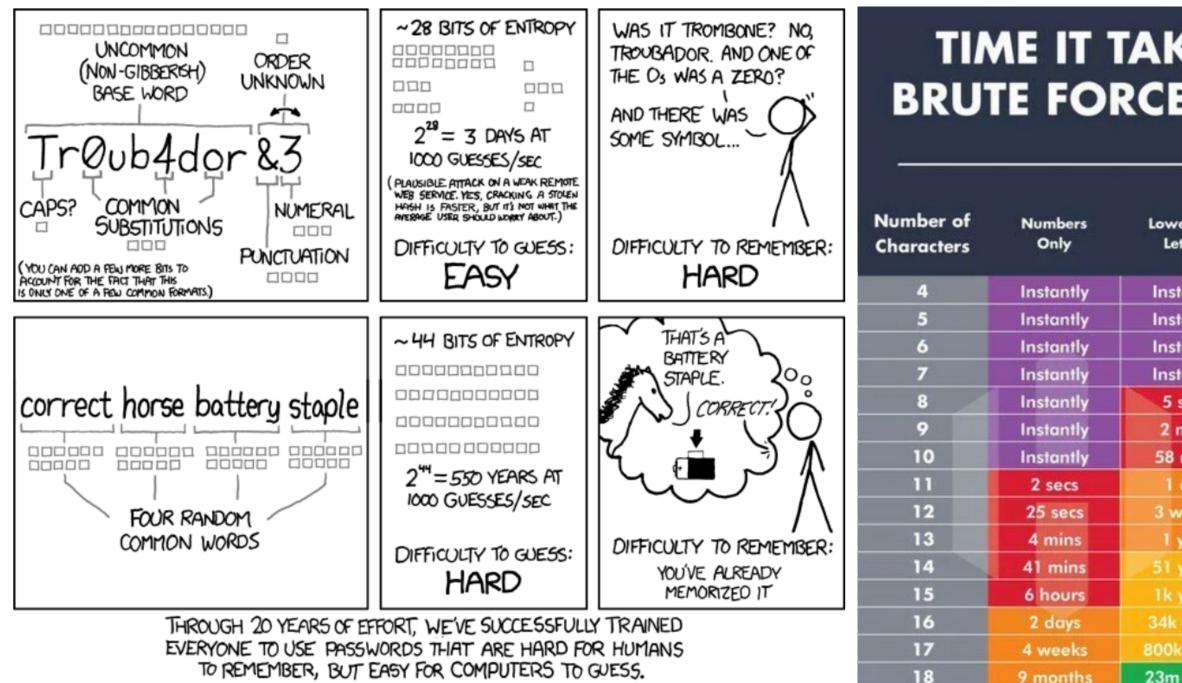
Assume breach

Zero Trust Architecture





Passwords, the first step to Security?







TIME IT TAKES A HACKER TO **BRUTE FORCE YOUR PASSWORD**

ercase Itters	Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters, Symbols
tantly	Instantly	Instantly	Instantly
tantly	Instantly	Instantly	Instantly
tantly	Instantly	1 sec	5 secs
tantly	25 secs	1 min	6 mins
secs	22 mins	1 hour	8 hours
mins	19 hours	3 days	3 weeks
mins	1 month	7 months	5 years
day	5 years	41 years	400 years
veeks	300 years	2k years	34k years
year	16k years	100k years	2m years
years	800k years	9m years	200m years
years	43m years	600m years	15 bn years
years	2bn years	37bn years	1tn years
(years	100bn years	2tn years	93tn years
years	6tn years	100 tn years	7qd years

Ban bad passwords: Password Protection

	🔚 Save 🗙 Discard		
Manage	Custom smart lockout Lockout threshold ④	10	
📍 Password protection	Lockout duration in seconds ()	60	
	Custom banned passwords Enforce custom list ①	Yes	No
	Custom banned password list ①	contoso fabrikam tailwind michigan wolverine harbaugh howard	
	Password protection for Windows Serve	er Active Directory	
	Enable password protection on Windows Server Active Directory (i)	Yes 🖉	No
	Mode ①	Enforced	Audit

- Global Banned Password list
- - products, etc...



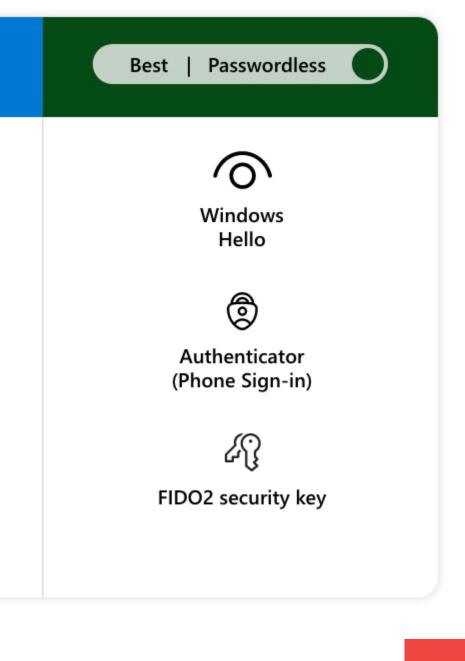
• Derived from Azure AD security telemetry Data Custom Banned Password list • Add words that apply to your brands, • Is smart enough to see replacement of letters with numbers or special characters through normalization



Multifactor Authentication

Bad Password (Only)	Good Password +	Better Password +
123456	Ē	٢
qwerty	SMS	Authenticator (Push notifications)
password	0)	××_
lloveyou	Voice	Software Tokens OTP
Password1		8
		Hardware Tokens OTP (Preview)





Windows Hello Experience

Enrollment

Setup Process

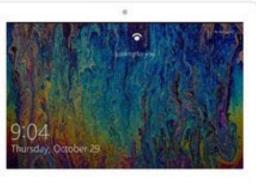
In OOBE but can also be launched via settings.



Login

Device Unlock

Upon boot or resume, use your biometric to unlock your device



Re-auth

App or Website

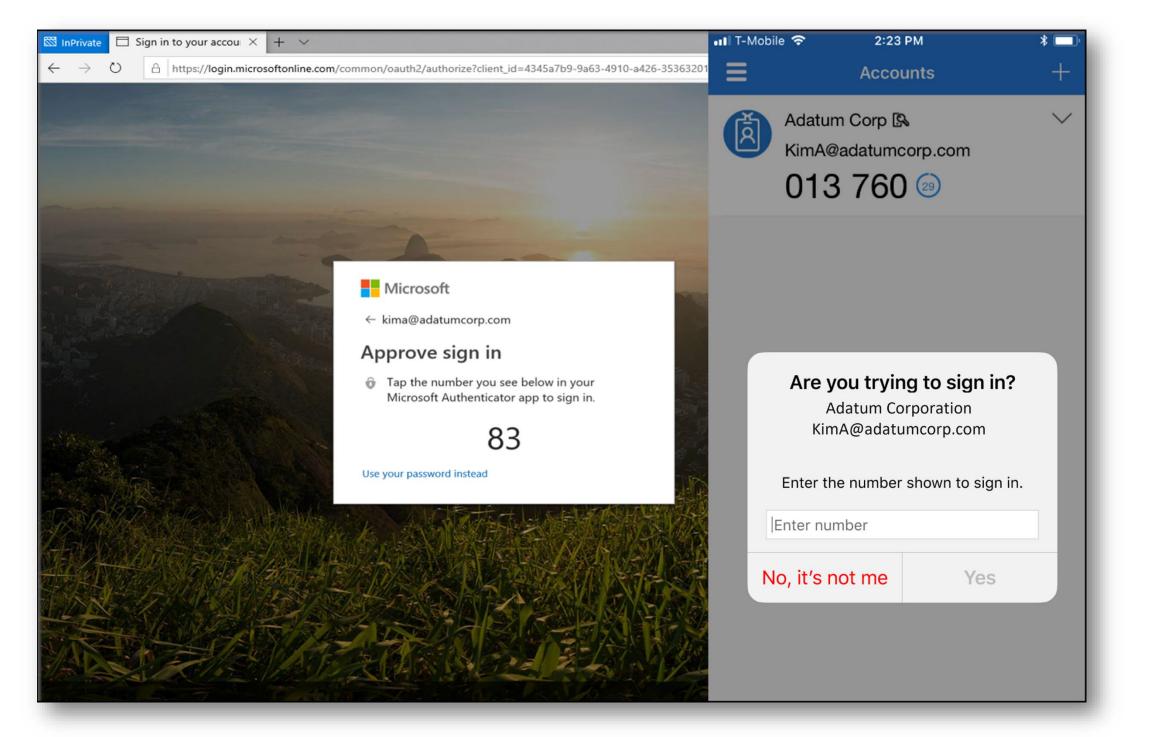
As credentials are needed, apps or websites can request to verify you are using your device.



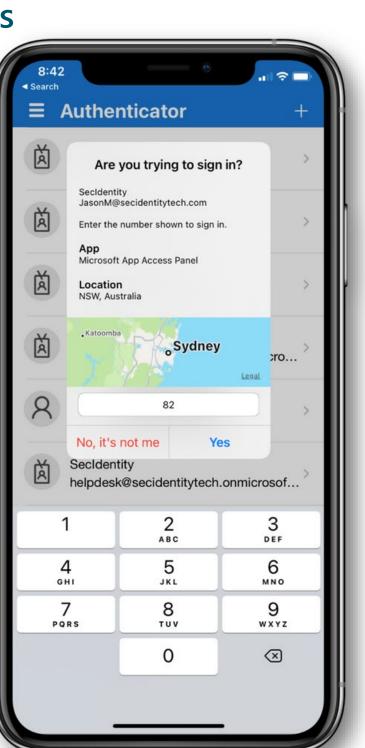


Authenticator Advanced Features (Generally Available)

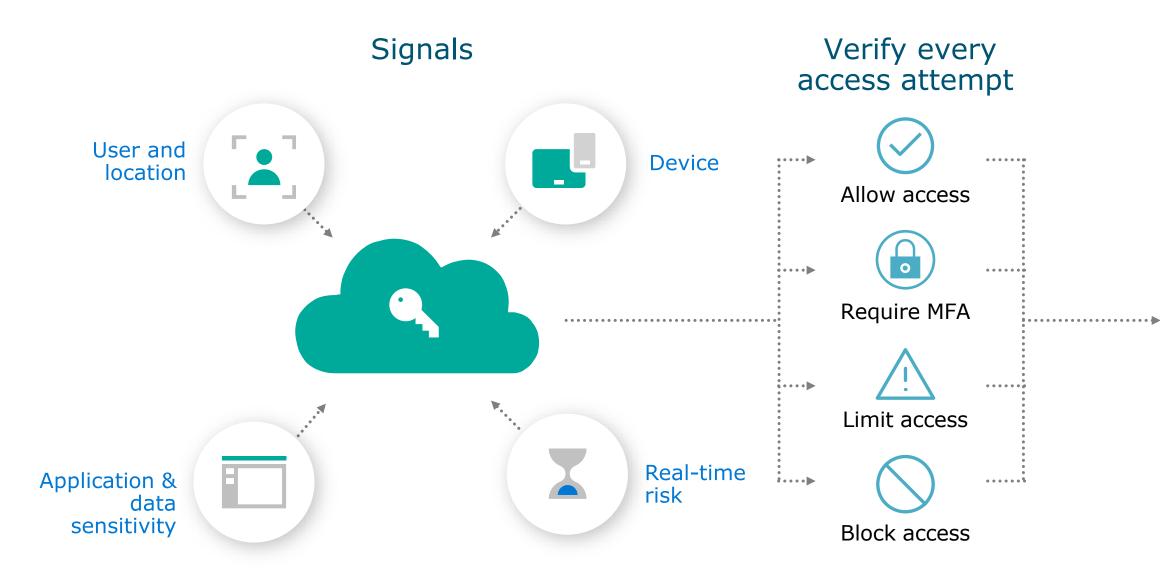
Number matching & Additional Context – prevent accidental approvals







Control access with smart policies and risk assessments





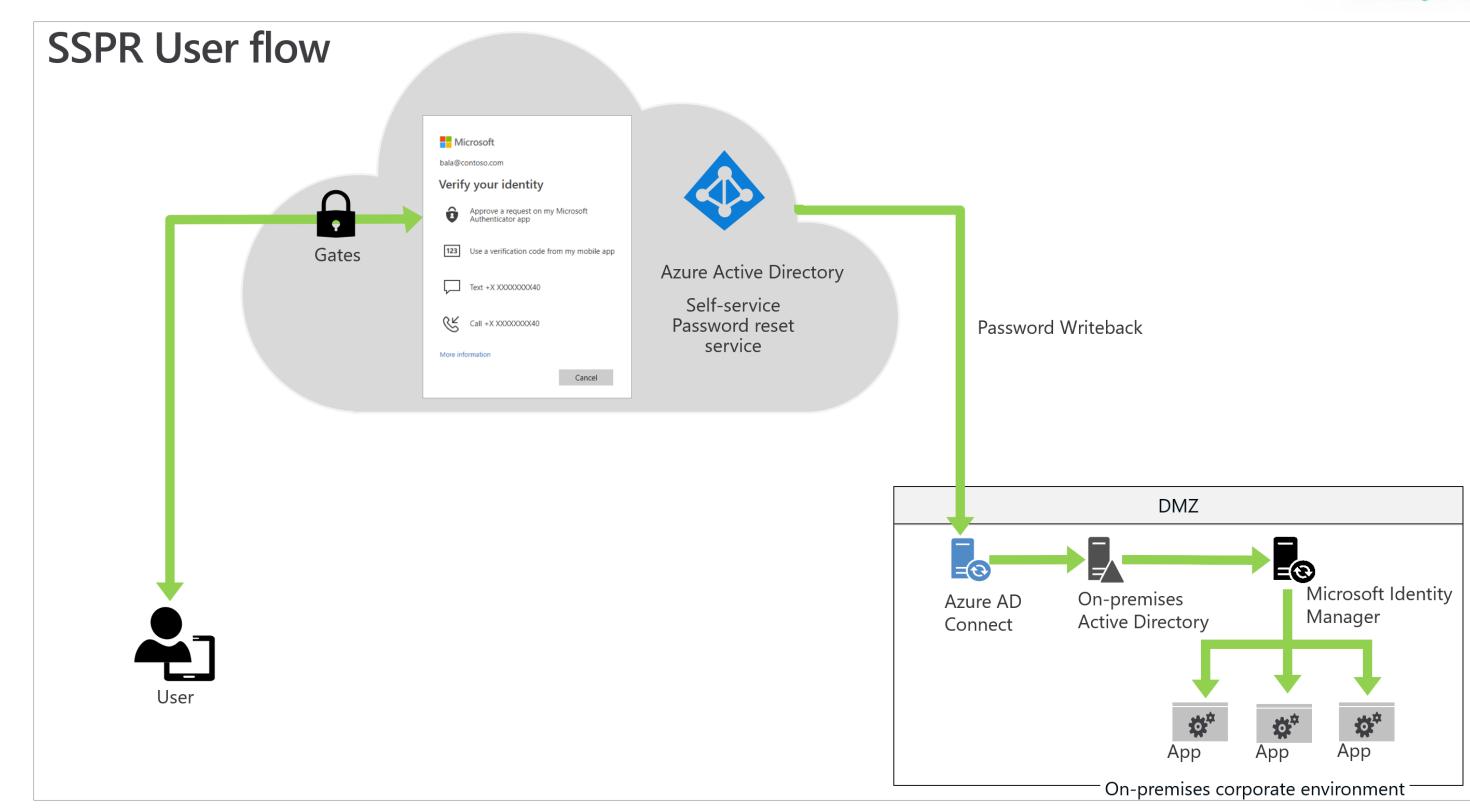


Apps and data





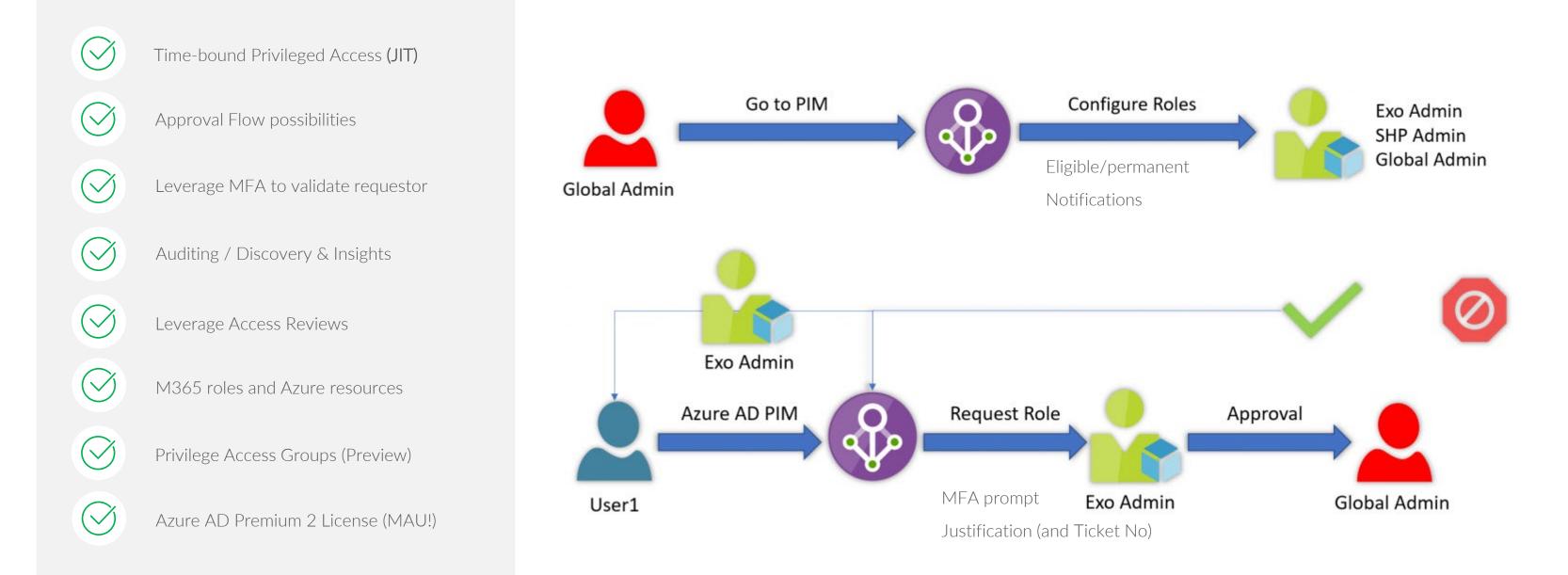
Self Service Password Reset





Privileged Identity Management

Manage, control and monitor access to important resources







Entra.microsoft.com

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igh risk users



High risk users detected. Investigate users and reset passwords.

Identity Secure Score

Home > Identity Protection | Overview >

Identity Secure Score

Microsoft Secure Score for Identity is a representation of your organization's security posture and your opportunity to improve it. Learn more.

Secure Score for Identity



Last updated 12/12/2022, 1:00:00 AM () View your Microsoft Secure Score.

Comparison	Score history				
Contoso	16.18%	7 days 30 days	60 days 90 da	ys	
		30			
Typical company	0%	20			
		10			-
		0	1	1	
		December 5	December 7	December 9	December 11

Improvement actions

↓ Download == Columns

Name ↑↓	Score Impact ↑↓	User Impact ↑↓	Implementation Cost $\uparrow \downarrow$
Use least privileged administrative roles	1.79%	Low	Low
Protect all users with a user risk policy	12.50%	Moderate	Moderate
Designate more than one global admin	1.79%	Low	Low
Enable policy to block legacy authentication	14.29%	Moderate	Moderate
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Zero Trust Roadmap Identities

TRADITIONAL



Several identity providers are in use,



No SSO is present between cloud and on-premises apps

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Visibility into identity risk is very limited

ADVANCED



Cloud identity federates with onpremises systems



Basic conditional access policies implemented



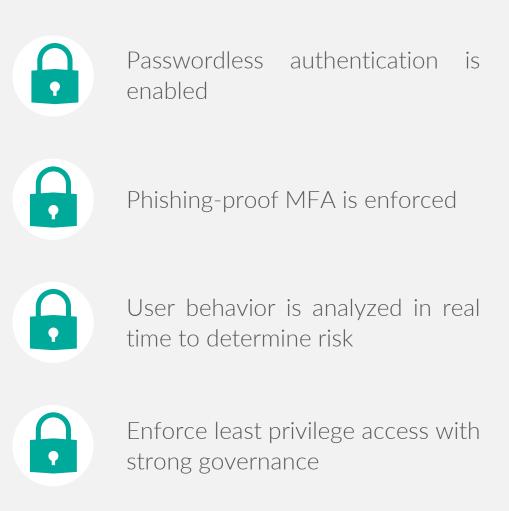
Visibility into identity risk with analytics



Enforce basic MFA



OPTIMAL





Security adoption

Adopting Zero Trust

Think big, start small, move fast

Security Roadmap

Maturity assessment with clear overview of risks and their mitigations including budget & projects mapping



Implementation

Start with quick wins and move forward on the road to zero trust

Managed Services

Visibility and analytics are key to a successful zero trust adoption



Technology Specific

Focus on specific technologies & platforms like firewalling, networking, M365, Azure, back-up, ...





Toekomstige webinars rond Zero Trust

25/01	<u>Privileged accounts: een</u> gemakkelijk doelwit voor hackers?
01/02	Hou grip op uw documenten met Azure Information Protection
08/02	<u>Microsoft 365 Defender Threat</u> <u>Protection: een gedegen security-</u> <u>oplossing</u>
15/02	<u>Aan de slag met big data? Beheer</u> <u>de overvloed aan data met Azure</u> <u>Purview</u>



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- Uw vertrouwde contactpersoon bij Inetum-Realdolmen
- Evaluatieformulier





