



Zero Trust Security Policies

Un modello necessario per la sicurezza del dato

Webinar

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Cyber Security Awareness Month

October

Cyber Security Awareness Month



Zero Trust

Zero Trust è un modello organizzativo basato sulla continua verifica dei dispositivi e delle identità che accedono ad una specifica rete o risorsa. Si basa sul concetto «Never Trust, Always Verify»

Non una singola tecnologia ma un insieme organico di politiche di sicurezza che devono coinvolgere ogni ambito dell'organizzazione.



Verify Explicitly



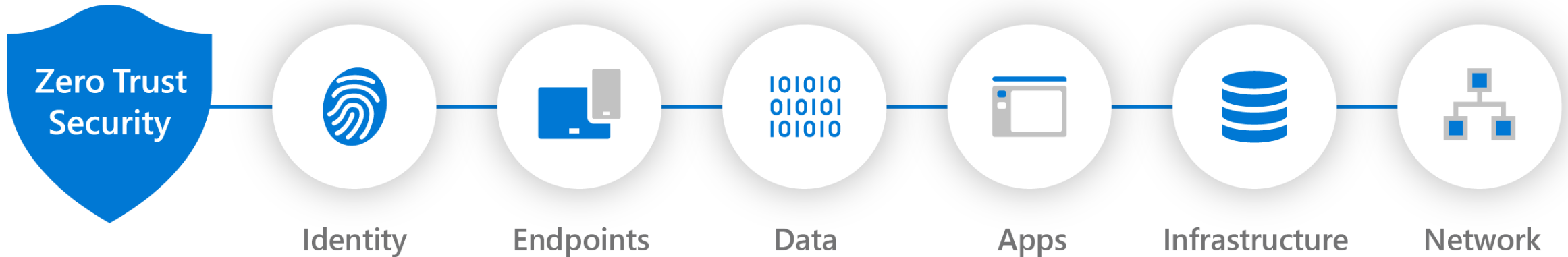
Use least-privilege
access



Assume breach

I Pilastri fondamentali

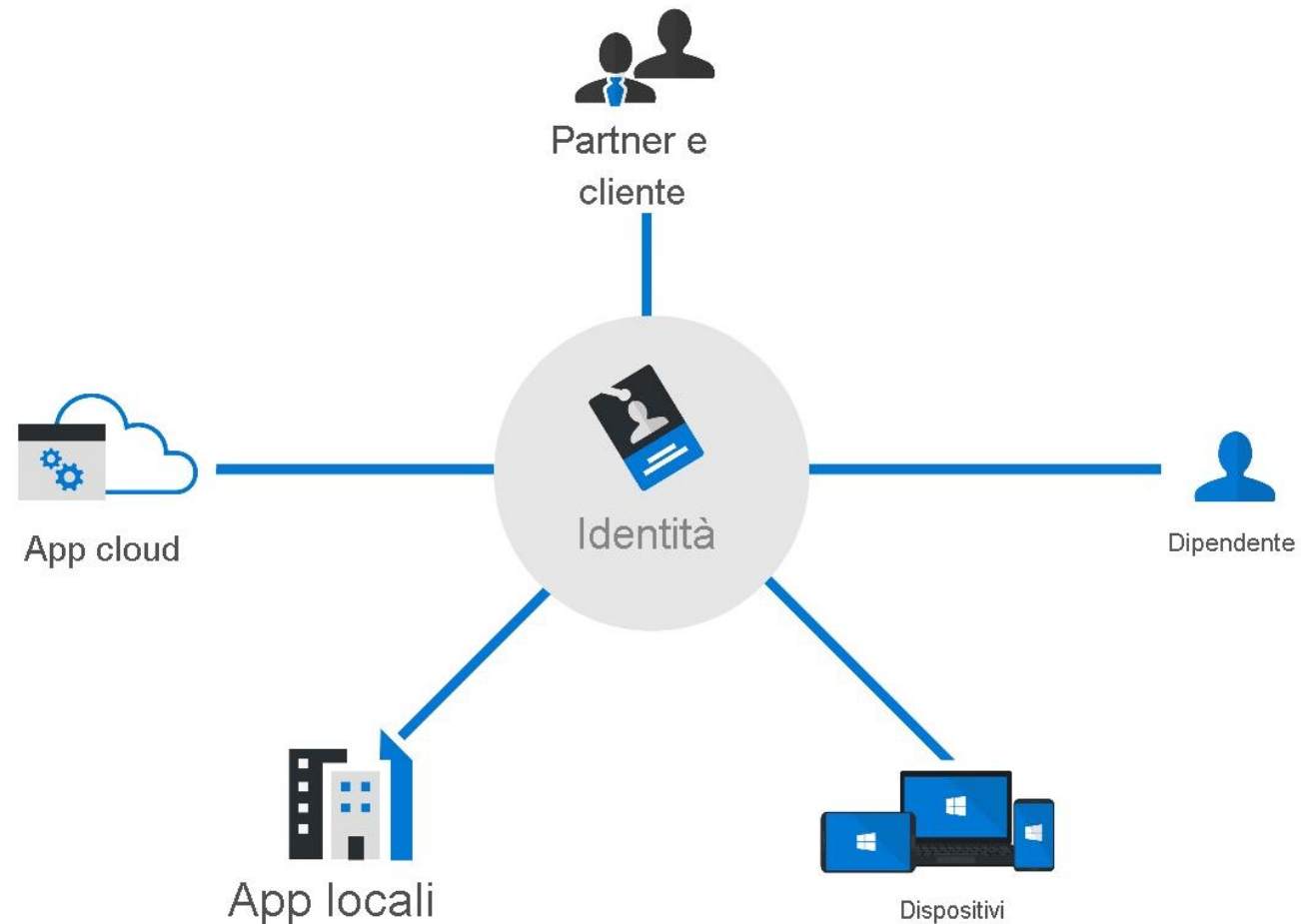
Visibility, Automation, Orchestration



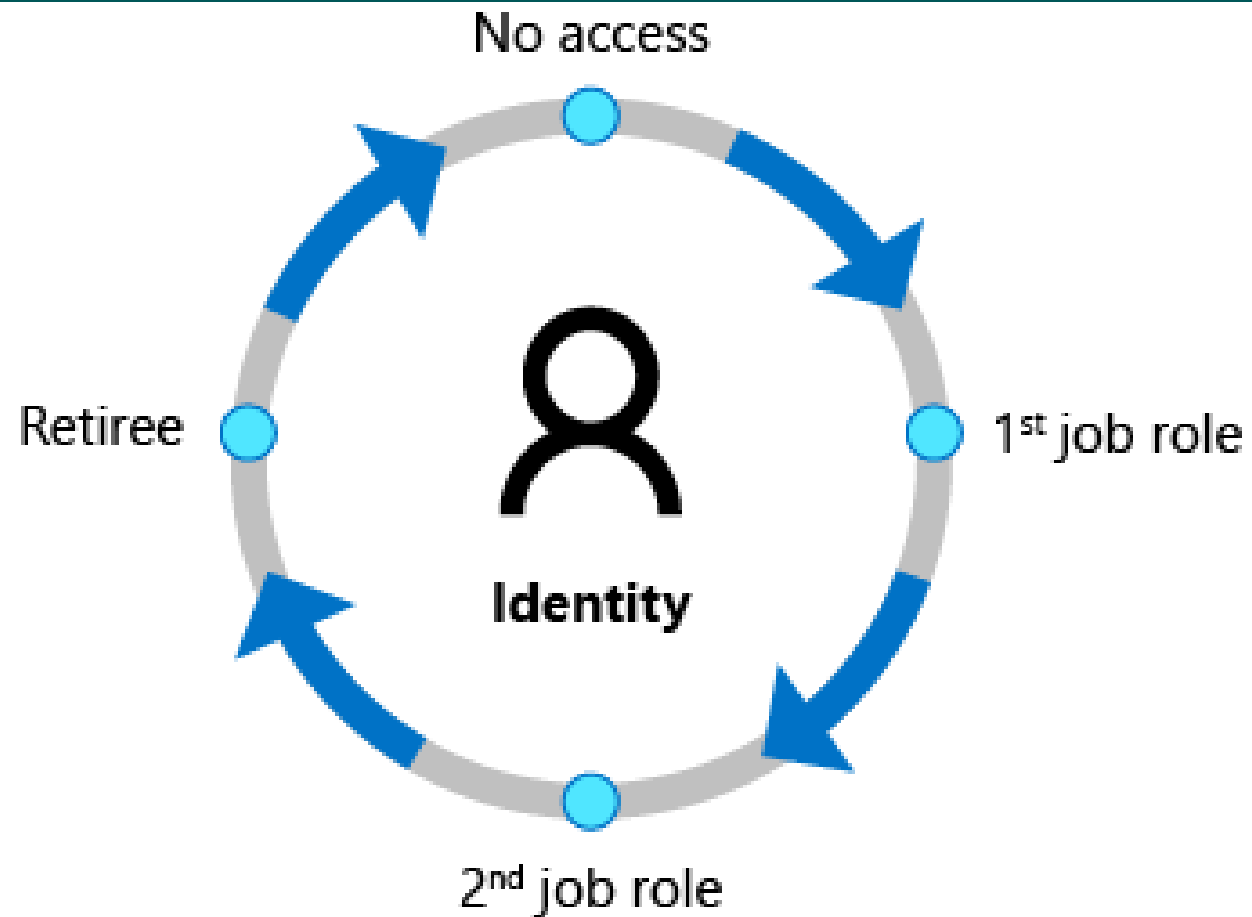
I Principi di Zero Trust



Identity and Access Management




Identity Governance



Identity Zero Trust




Password e MFA

Bad  Password (Only)

Good  Password +

Better  Password +

Best | Passwordless 

123456

qwerty

password

Iloveyou

Password1



SMS



Voice



Authenticator
(Push notifications)



Software Tokens OTP



Hardware Tokens OTP
(Preview)



Windows
Hello



Authenticator
(Phone Sign-in)



FIDO2 security key

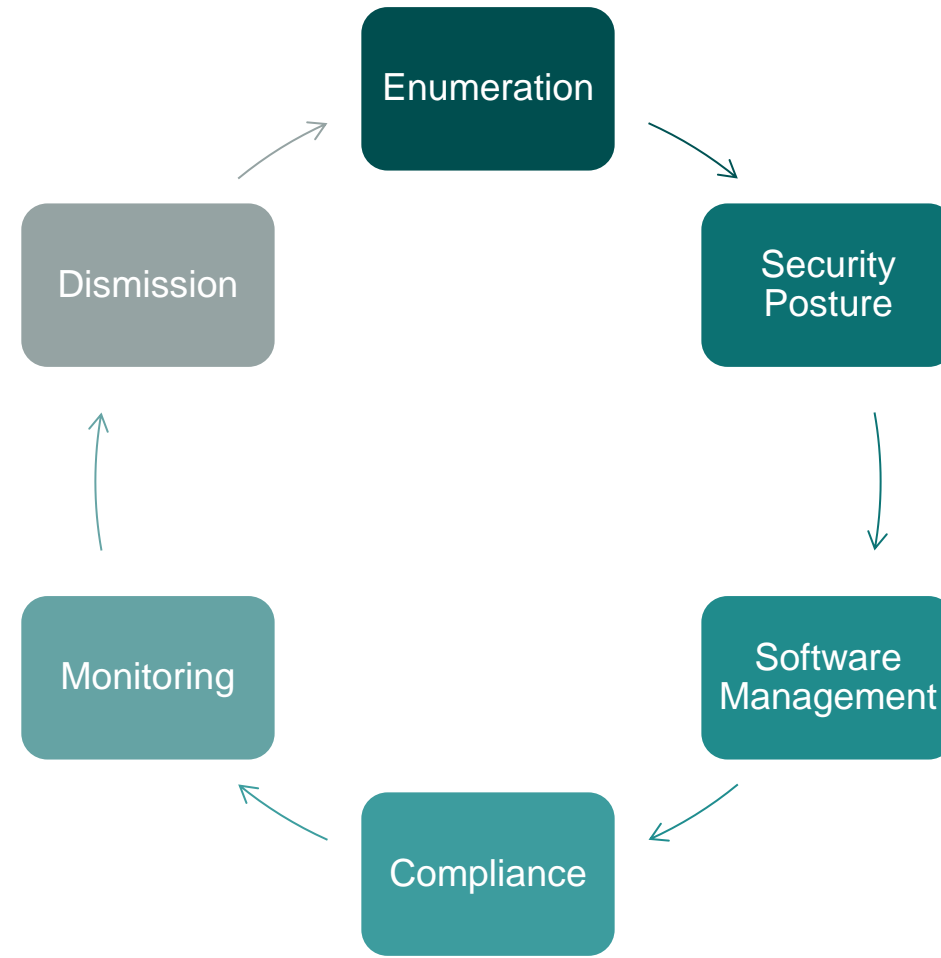
Best Practice Password

Password Length	Numerical 0-9	Upper & Lower case a-Z	Numerical Upper & Lower case 0-9 a-Z	Numerical Upper & Lower case Special characters 0-9 a-Z %\$
1	instantly	instantly	instantly	instantly
2	instantly	instantly	instantly	instantly
3	instantly	instantly	instantly	instantly
4	instantly	instantly	instantly	instantly
5	instantly	instantly	instantly	instantly
6	instantly	instantly	instantly	20 sec
7	instantly	2 sec	6 sec	49 min
8	instantly	1 min	6 min	5 days
9	instantly	1 hr	6 hr	2 years
10	instantly	3 days	15 days	330 years
11	instantly	138 days	3 years	50k years
12	2 sec	20 years	162 years	8m years
13	16 sec	1k years	10k years	1bn years
14	3 min	53k years	622k years	176bn years
15	26 min	3m years	39m years	27tn years
16	4 hr	143m years	2bn years	4qdn years
17	2 days	7bn years	148bn years	619qdn years
18	18 days	388bn years	9tn years	94qtn years
19	183 days	20tn years	570tn years	14sxn years
20	5 years	1qdn years	35qdn years	2sptn years

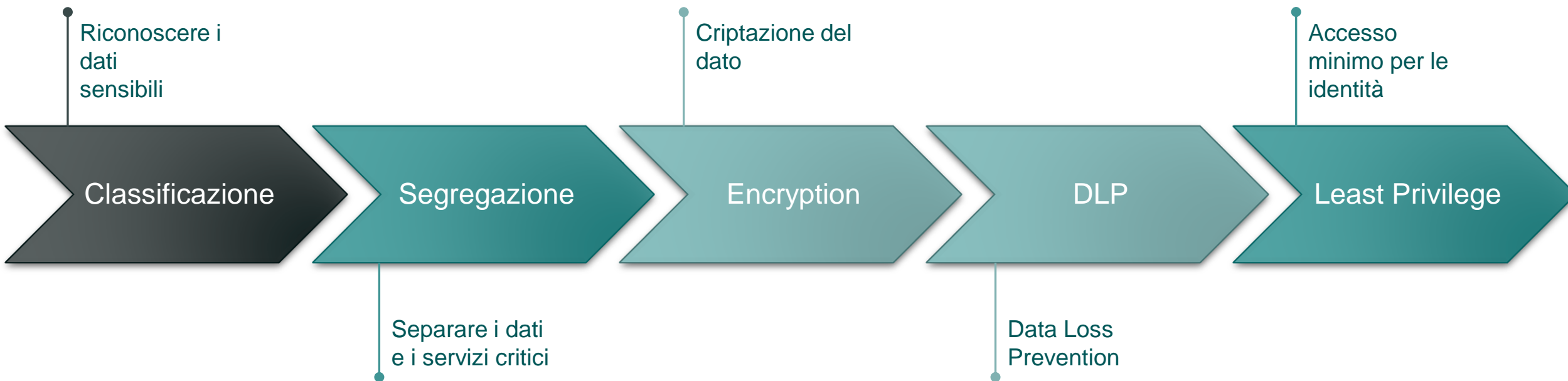
NIST Guideline 2024

- Attivare Show Password
- Utilizzare Password Manager
- Usare Hashing per lo store delle password
- Anti Brute Force Policy
- 2FA – MFA
- Politica di cambio password (!)
 - Non cambiare spesso le password
 - Riduzione dell'importanza della complessità
 - Monitoraggio delle password Dictionary
 - No Password Hint
 - Utilizzare Passphrase

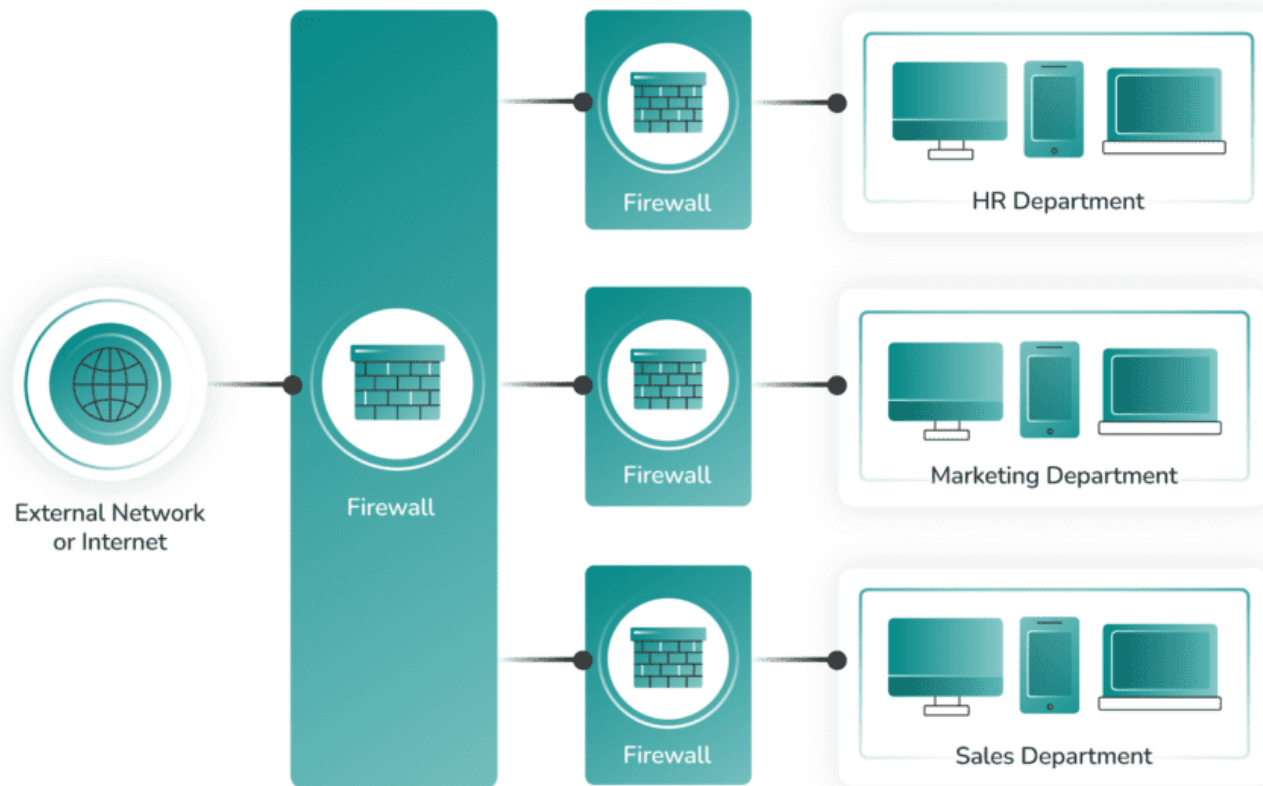
Device Management



Data Protection



ZTNA

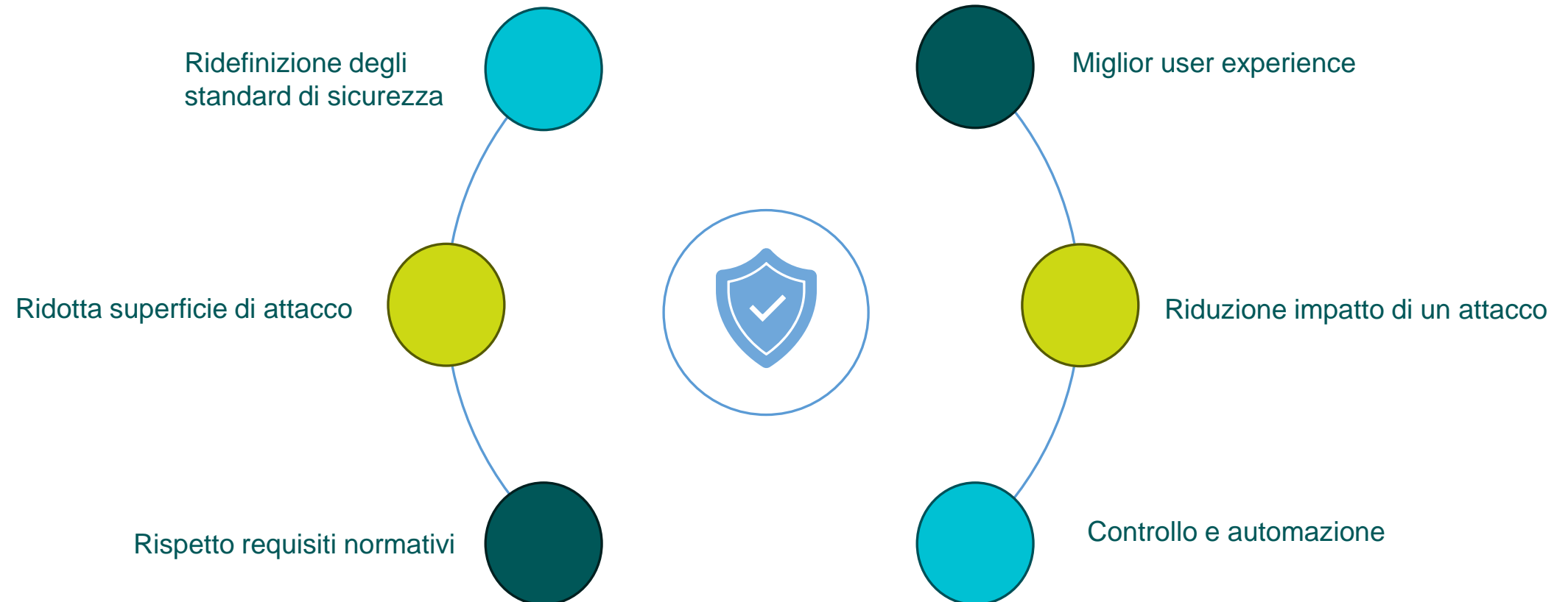


Zero Trust Network Access completa le policy di sicurezza introducendo il layer di Network e due concetti fondamentali:

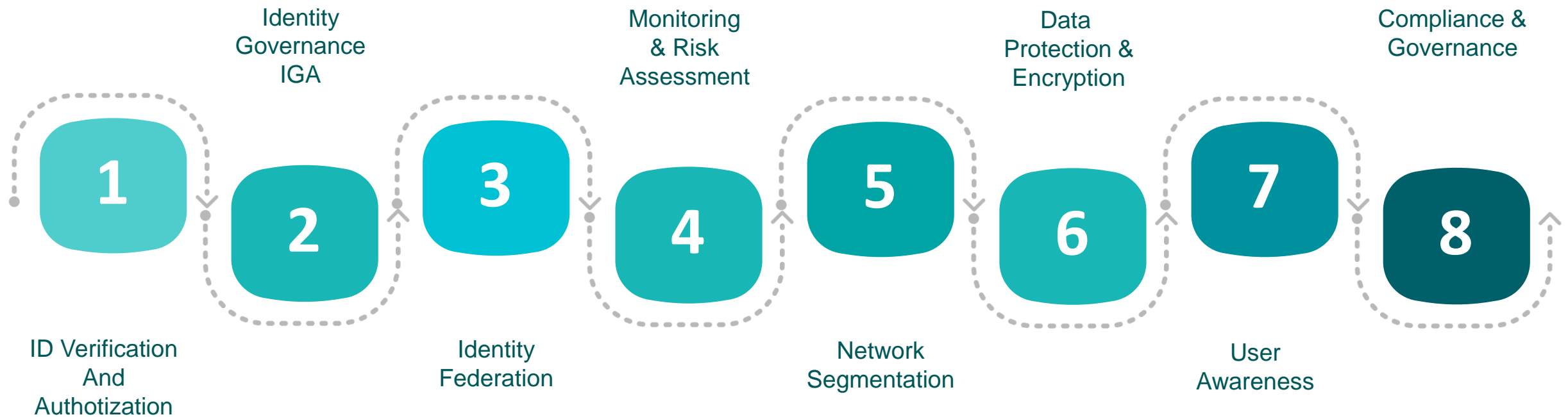
Segmentazione e Microsegmentazione

- Mappare i dati e il traffico
- Determinare le esigenze di sicurezza
- Organizzare i segmenti per livello di rischio
- Dividere la rete in segmenti
 - Fisici
 - Logici
 - Servizi

I vantaggi di ZTNA



Road to Zero Trust



“As the world is increasingly interconnected, everyone shares the responsibility of securing cyberspace.”

Newton Lee

<https://www.authx.com/blog/what-is-zero-trust-security/>

<https://learn.microsoft.com/en-us/security/zero-trust/deploy/overview>

<https://network-insight.net/2022/07/29/zero-trust-network-design/>

<https://pages.nist.gov/800-63-3/sp800-63-3.html>

<https://www.auditboard.com/blog/nist-password-guidelines/>

<https://www.cyberight.com/zero-trust-pillars>

<https://learn.microsoft.com/it-it/.../?practice-assessment-type=certification>

<https://thesecurityfactory.be/password-cracking-speed/>

<https://www.enterprisenetworkingplanet.com/security/what-is-network-segmentation/>

<https://www.redhotcyber.com/post/l...-sulle-password-verso-unautenticazione-piu-sicura/>

Q&A

Your Opinion Counts!
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cliccando sul codice QR



PROSSIMI APPUNTAMENTI

11 OTTOBRE: NGFW e la protezione perimetrale

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25 OTTOBRE: TBD

<https://forms.office.com/r/B8pN50j9f3>

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