Asseco Identity and Access Management

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According to the Verizon 2017 Data Breach Investigations Report, compromised credentials are used in 81% of all hacking related breaches. Phishing attacks, the practice of sending fraudulent emails to get individuals to reveal personal information, are continuing to prove successful. In a typical company of 30 or more employees, about 15% of all unique users who fell victim to phishing once also fell victim a second time. The impact of phishing should not be lost as it represents the start of a negative chain of events.

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Challenges

- **81%** of hacking breaches leverage stolen or weak passwords[1]
- **99 days** between infiltration and detection, on average[2]
- **$17M** The average cost/business impact per security breach in the U.S. is $17 million.
- **Password reuse** and management complexity
- The security market is **segmented and confusing**

1. Verizon Data Breach Investigation Report 2017
2. Verizon Data Breach Investigation Report 2017

Ideal Solution

- **Protect** your identities and data access
- Instant **scalability**
- **Compatibility** with most technologies
- Possibility to **integrate** with on-premise identity provider and third-party tools
- **Flexible**: Cloud-only or hybrid identity
- Use **behavioral analysis** to provide actionable insights and ensure that you have a sound approach to manage users and groups, as well as secure access to on premise and cloud apps.

Desired Outcomes

- **Reduce risk** across business
- **Reduce complexity** by lowering the number of security tools for threat protection
- **Leverage Machine Learning and Intelligent Security** for a Zero Trust Security framework
- **Intelligent alerts** and insights
- Get insights from Microsoft **Threat Experts**
- **Gain visibility** on organization's vulnerable users and apps, stay ahead of your attackers

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Strengthen your credentials

MFA reduces compromise by 99.99%

Reduce your attack surface

Blocking legacy authentication reduces compromise by 66%.

Automate threat response

Implementing risk policies reduces compromise by 96%

Increase your awareness with auditing and monitor security alerts

Attackers escape detection inside a victim's network for a median of 101 days. (Source: FireEye)

Enable self-help for more predictable and complete end user security

60% of enterprises experienced social engineering attacks in 2016. (Source: Agari)

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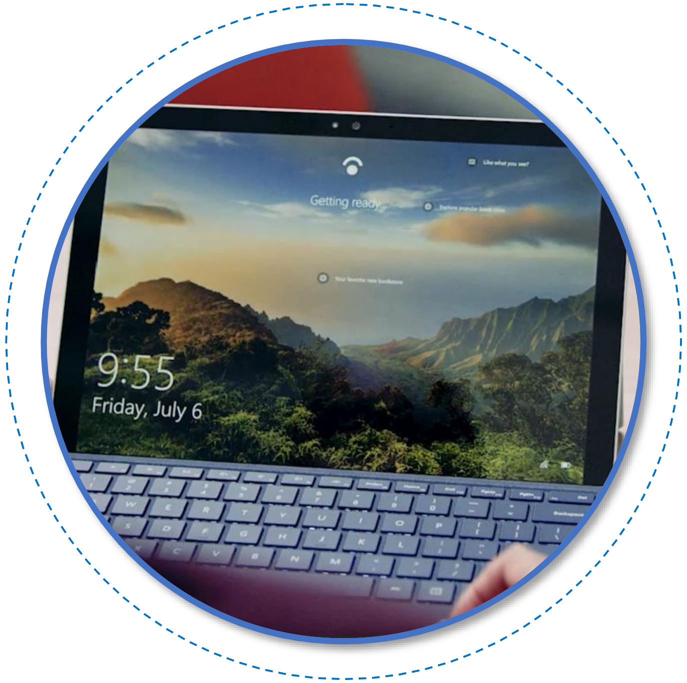
Getting to a world without passwords

High security, convenient methods of strong authentication



Windows Hello

Microsoft Authenticator

FIDO2 Security Keys

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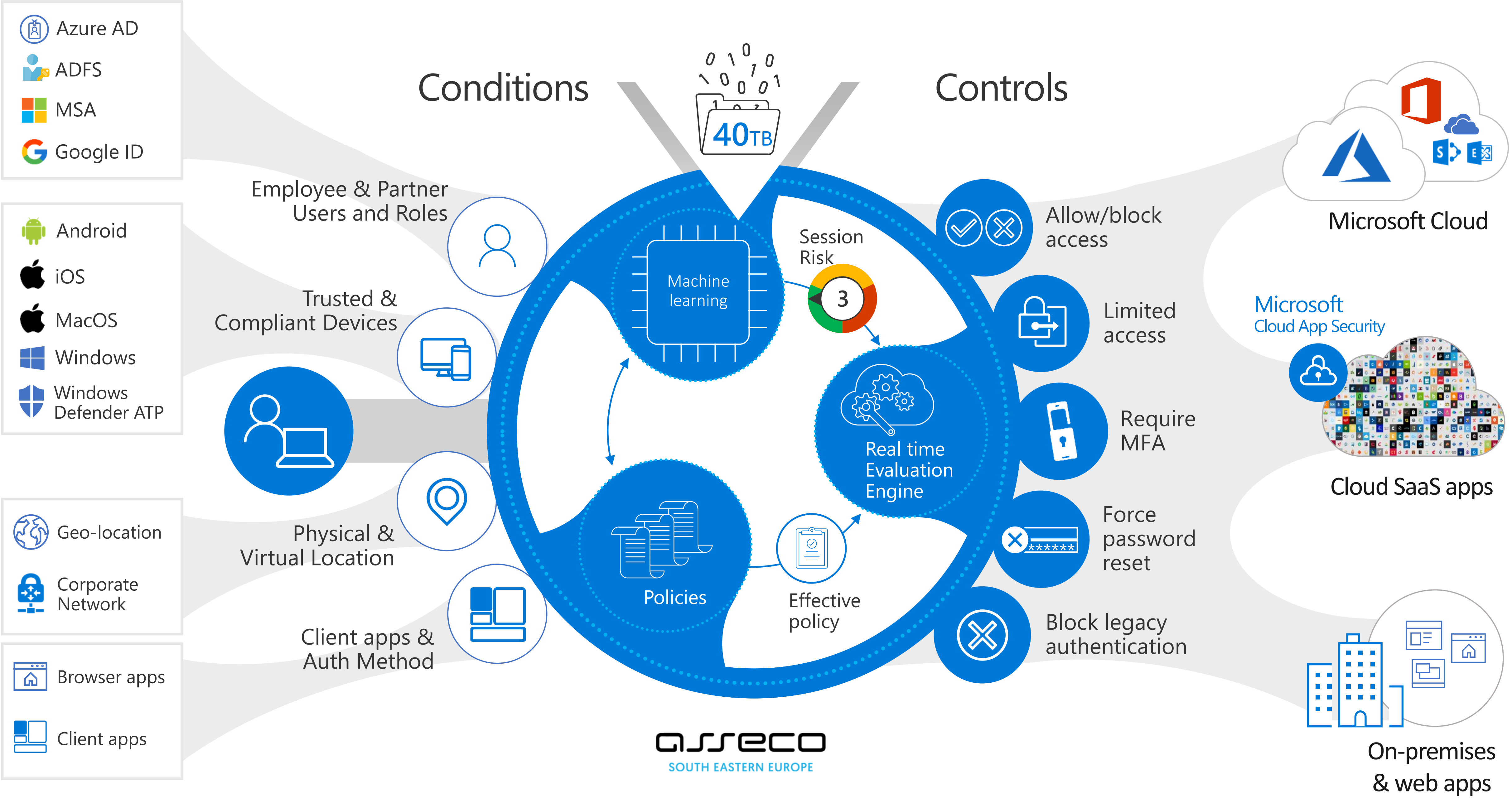
How do I get started?

- **Crawl**: Protect privileged users & primary environments
  - Enable MFA for your Admin Accounts (better use PIM)
  - Monitor your Risk Reports
  - Use Identity Secure Score
  - Set Azure ATP to protect your primary user domains

- **Walk:** Protect all users & domain controllers
  - Block Legacy Auth policies
  - Turn on Password Hash Sync and Banned Password Checking
  - Protect all domain and forests using Azure ATP
  - Monitor all Azure ATP alerts – investigate lateral movement & domain dominance alerts

- **Run:** Protect all users & Integrate the alerts into your SecOp flows
  - Enable MFA for your end users using sign-in and user risk policy

Asseco Enforced Conditional Access for your road to Zero Trust



Azure AD
ADFS
MSA
Google ID

Android
iOS
MacOS
Windows
Windows Defender ATP

Geo-location
Corporate Network

Browser apps
Client apps

Conditions

Employee & Partner Users and Roles

Trusted & Compliant Devices

Physical & Virtual Location

Client apps & Auth Method

40TB

Machine learning

Session Risk

3

Real time Evaluation Engine

Policies

Effective policy

Controls

Allow/block access

Limited access

Require MFA

Force password reset

Block legacy authentication

Microsoft Cloud

Microsoft Cloud App Security

Cloud SaaS apps

On-premises & web apps

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Asseco & Microsoft Secure

- Securing your digital transformation through security operations, enterprise-class technology and heterogenous partnerships that make our world safer.

Microsoft

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