ICT POWER.IT

Microsoft MVP Most Valuable Professional 2023

Microsoft

#POWERCON2023

Entra ID Security: rendere sicuri gli accessi alle nostre identità digitali

Nicola Ferrini

Microsoft MVP

/NicolaFerrini.it

@nicolaferrini

/nicolaferrini

Agenda

- Microsoft Entra ID
- Security
- Microsoft Entra Internet Access
- Microsoft Entra Private Access

Microsoft

Consistently recognized as a Leader in the Magic Quadrant™ for Access Management

"Gartner® view of the market is focused on transformational technologies or approaches delivering on the future needs of end users."

Gartner, Magic Quadrant for Access Management, Henrique Teixeira Abhyuday Data, Michael Kelley, James Hoover, Brian Guthrie, 1 November 2022

Gartner is a registered trademark and service mark and Magic Quadrant is a registered trademark of Gartner, Inc. and/or its affiliates in the U.S. and internationally and are used herein with permission. All rights reserved.

This graphic was published by Gartner, Inc. as part of a larger research document and should be evaluated in the context of the entire document. The Gartner document is available upon request from [insert client name or reprint URL]. Gartner does not endorse any vendor, product or service depicted in its research publications, and does not advise technology users to select only those with the highest ratings or other designation. Gartner's research publications consist of the opinions of Gartner's research organization and should not be construed as statements of fact. Gartner disclaims al warranties, expressed or implied, with respect to this research, including any warranties of merchantability or fitness for a particular purpose

Gartner

Microsoft Entra Product Family

Identity & access management

- **Microsoft Entra ID**
  Currently Azure AD
- Microsoft Entra ID Governance
- Microsoft Entra External ID
  Formerly Azure AD External Identities

New Identity categories

- Microsoft Entra Verified ID
- Microsoft Entra Permissions Management
- Microsoft Entra Workload ID

Network Access

- Microsoft Entra Internet Access
- Microsoft Entra Private Access

Same Azure AD products, all new names

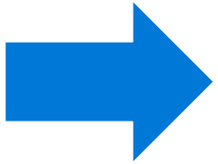
Azure AD

Azure AD Free

Azure AD Premium P1

Azure AD Premium P2

Azure AD External Identities



Microsoft Entra ID

Microsoft Entra ID Free

Microsoft Entra ID P1
Included in Microsoft 365 E3

Microsoft Entra ID P2
Identity P2 = Identity P1 + Identity Protection
Included in Microsoft 365 E5

Microsoft Entra External ID

[Azure AD diventa Microsoft Entra ID - ICT Power]

Microsoft Entra ID

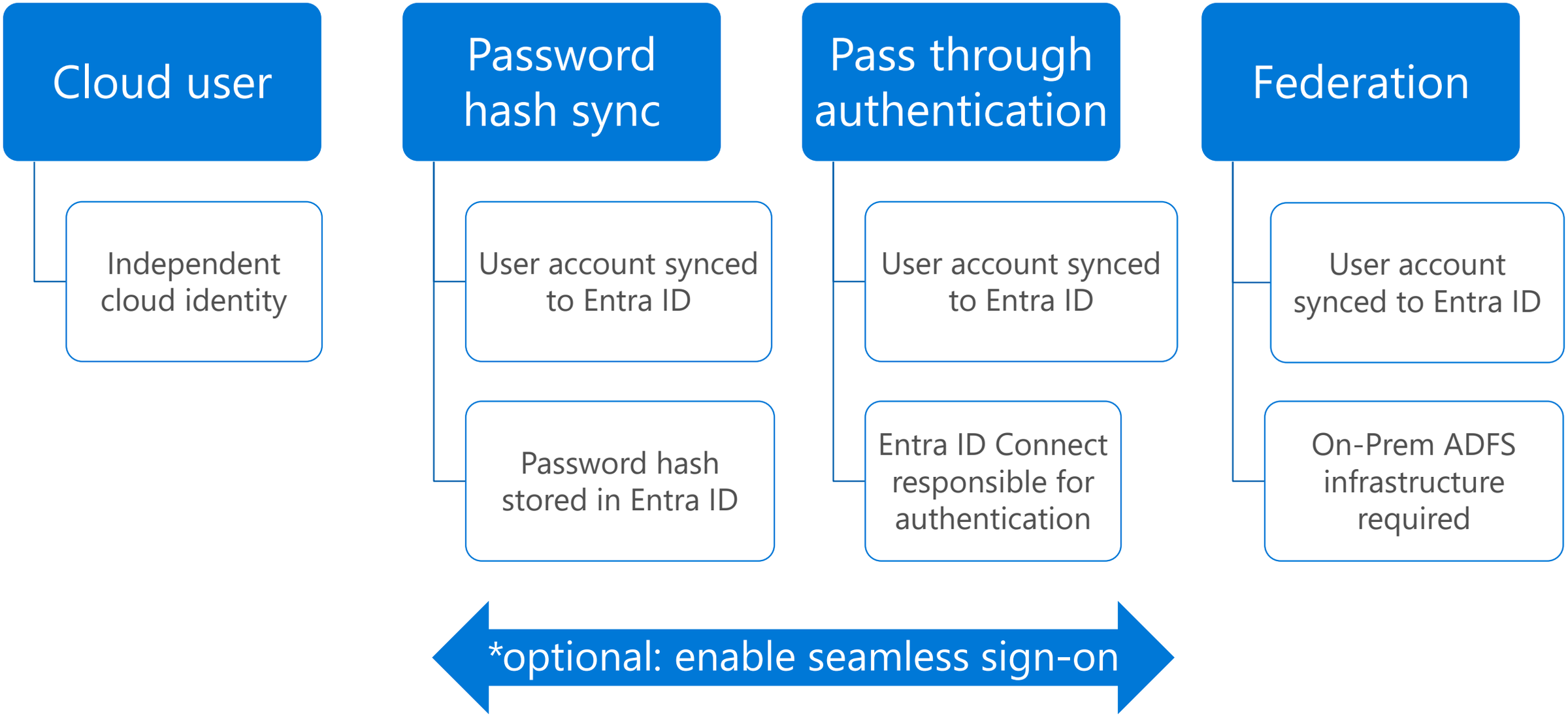
Help organizations protect access to resources and data using strong authentication and real-time, risk-based adaptive access policies without compromising user experience.

Secure adaptive access

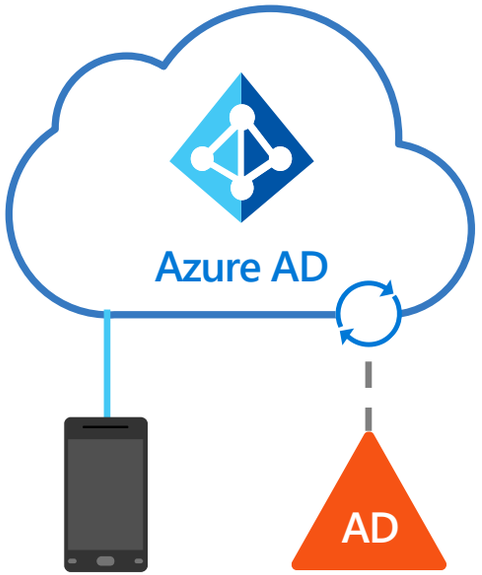
Seamless user experiences

Unified identity management

Identity / Authentication Scenarios



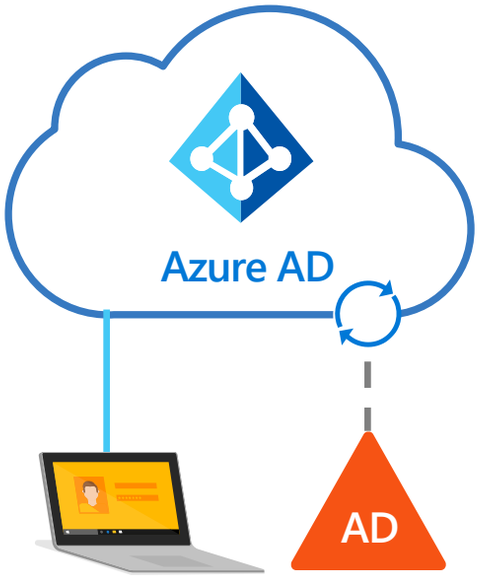
Configure your devices for Azure AD



Use Azure AD registered

for Windows 10/11, iOS, Android, macOS and Linux (soon) devices

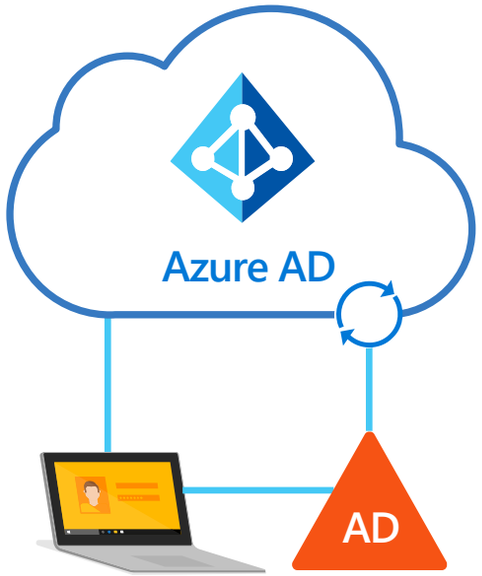
- For personal devices to support Bring Your Own Device (BYOD) scenarios
- To manually register devices with Azure AD



Use Azure AD joined

for Windows 10/11 devices

- For devices that are owned by your organization
- For devices that are not joined to an on-premises AD
- To manually register devices with Azure AD



Use Hybrid Azure AD joined

for Windows 10/11 and down-level devices such as Windows 8.1

- For devices that are owned by your organization
- For devices that are joined to an on-premises AD
- To automatically register devices with Azure AD

[Dispositivi Azure AD Joined, Hybrid Azure AD Joined e Azure AD Registered: facciamo chiarezza - ICT Power]

Secure adaptive access

Protect access to resources and data with strong authentication and risk-based access policies

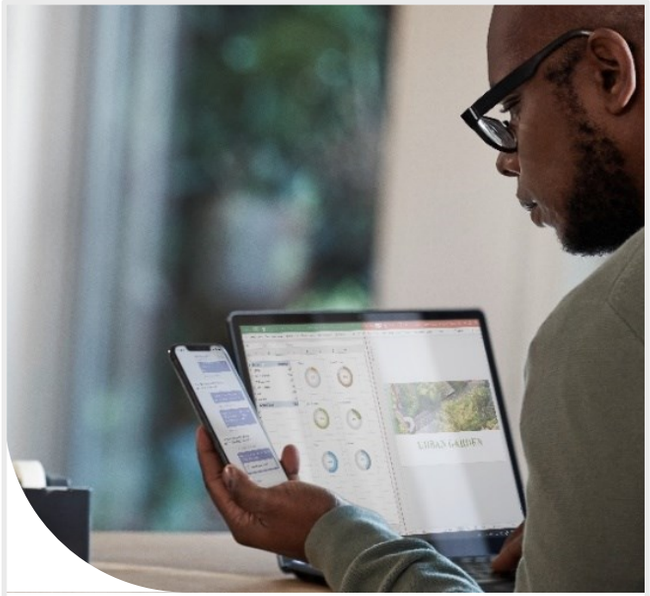
User-friendly multifactor authentication (MFA) support

Configurable Conditional Access policies based on context and risk assessment

Elevate identity security to block identity takeover in real time with the power of advanced ML

Multifactor authentication (MFA)

Verify user identities with strong authentication



We support a **broad range of multifactor authentication options**

Including passwordless technology

- Microsoft Authenticator
- Windows Hello
- FIDO2 Security key
- Biometrics
- Cert-based Auth

● = Including phish resistant technology

- Push Notification
- Soft Tokens OTP
- Hard Tokens OTP
- SMS, Voice

Multifactor authentication **addresses 99.9% of identity attacks**

[multi-factor authentication - ICT Power]

Changing the game with passwordless

Make sign in even more seamless, secure, and cost-effective

Microsoft Authenticator

Windows Hello
for Business

FIDO2 Security Keys

Passwordless
momentum

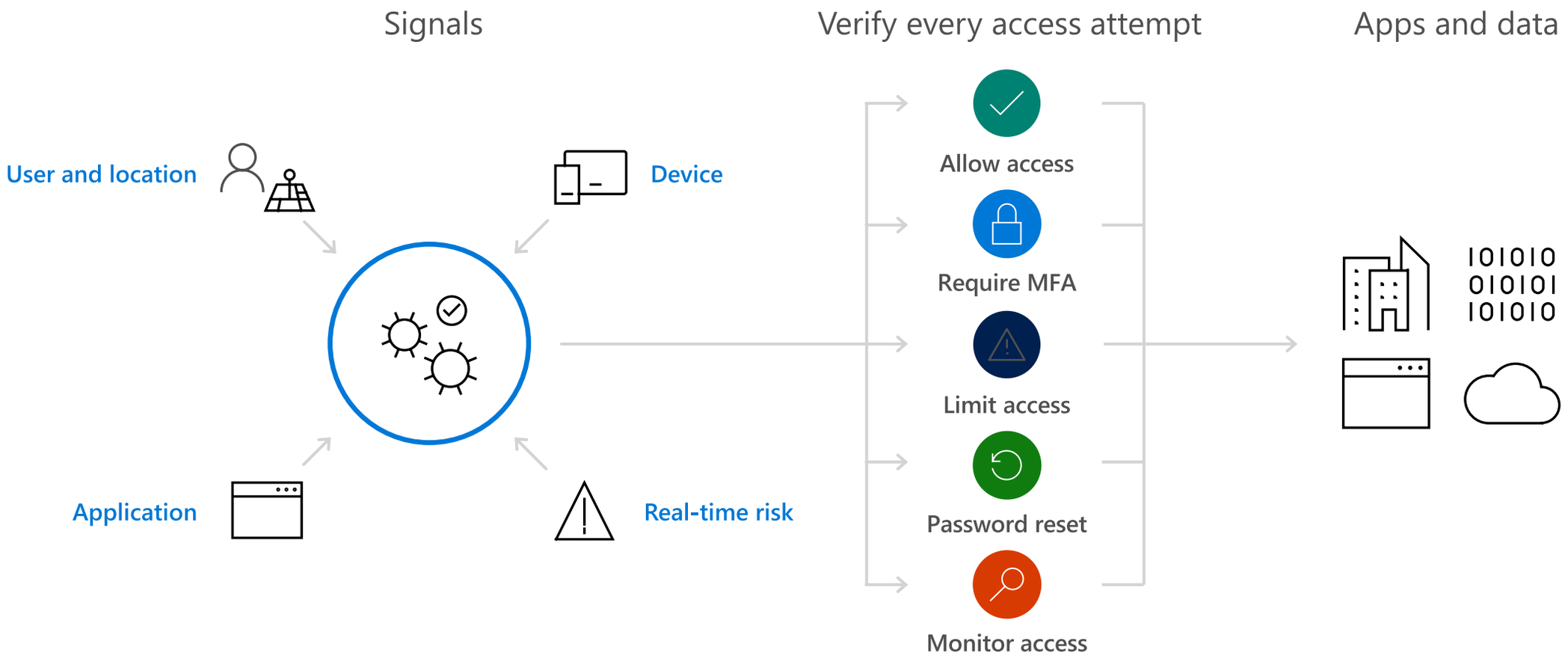
200M+

Active
passwordless users

passwordless - ICT Power

Protect resources with Conditional Access

Enable Zero Trust with strong authentication and adaptive policies



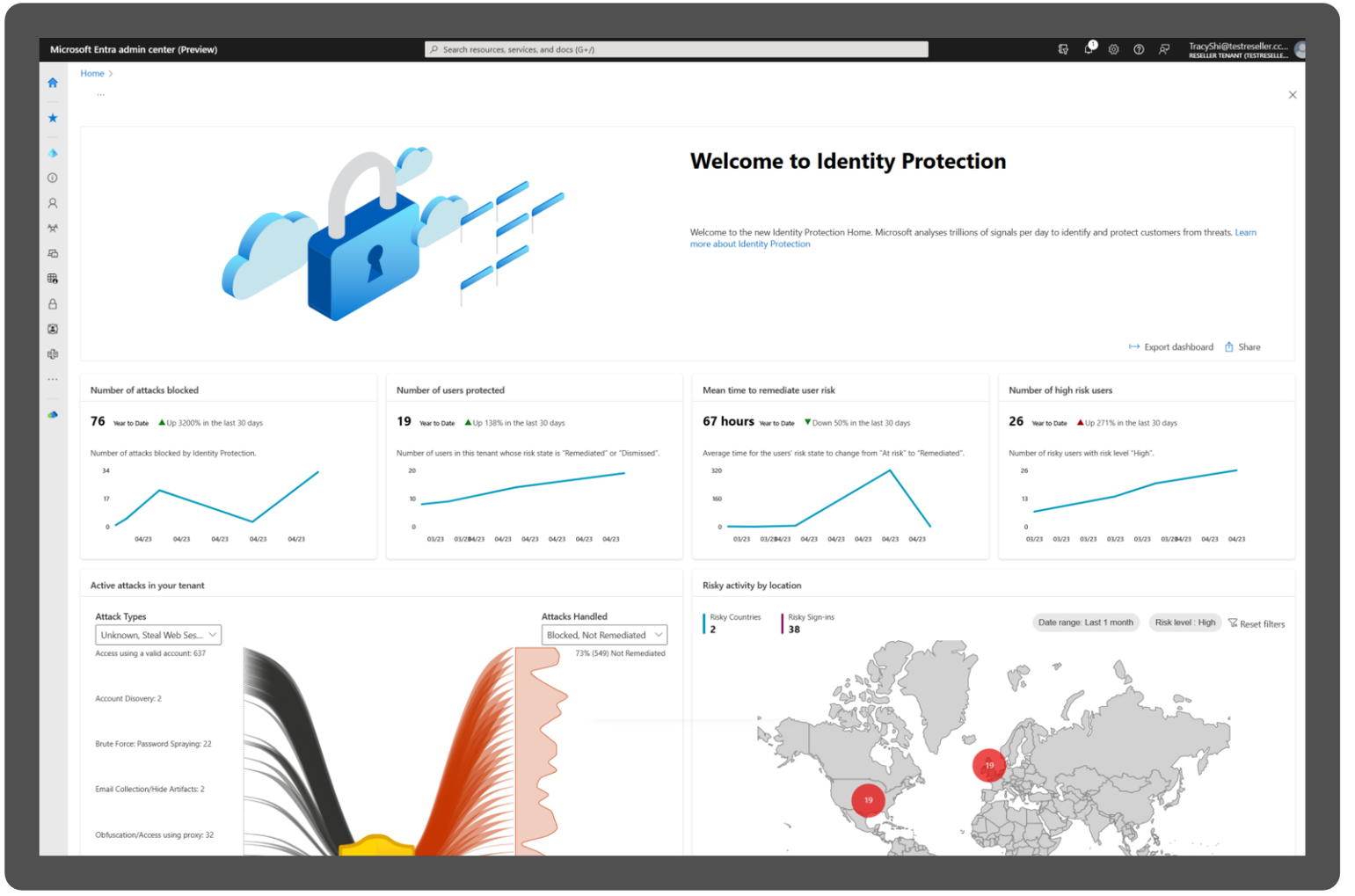
Identity Protection

Block identity takeover in real-time

Prevent identity compromise

Enforce policies

Seamlessly integrate

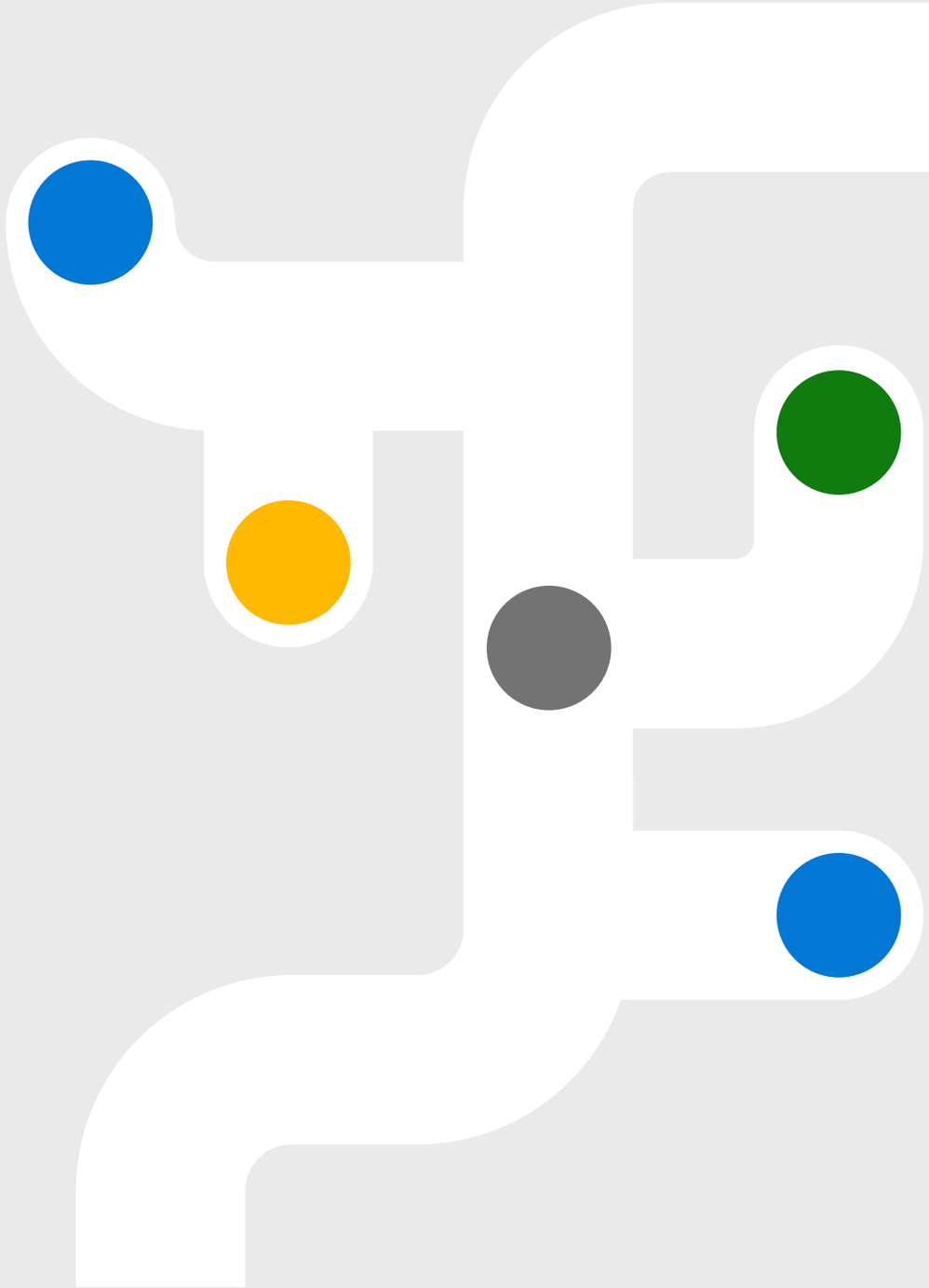


[Utilizzare Azure AD Identity Protection per rilevare e gestire i rischi legati all'accesso degli utenti - ICT Power]

Microsoft Security

Microsoft’s Security Service Edge (SSE) Solution

- Microsoft Entra Internet Access
- Microsoft Entra Private Access



Rise of cloud and modern hybrid workforce

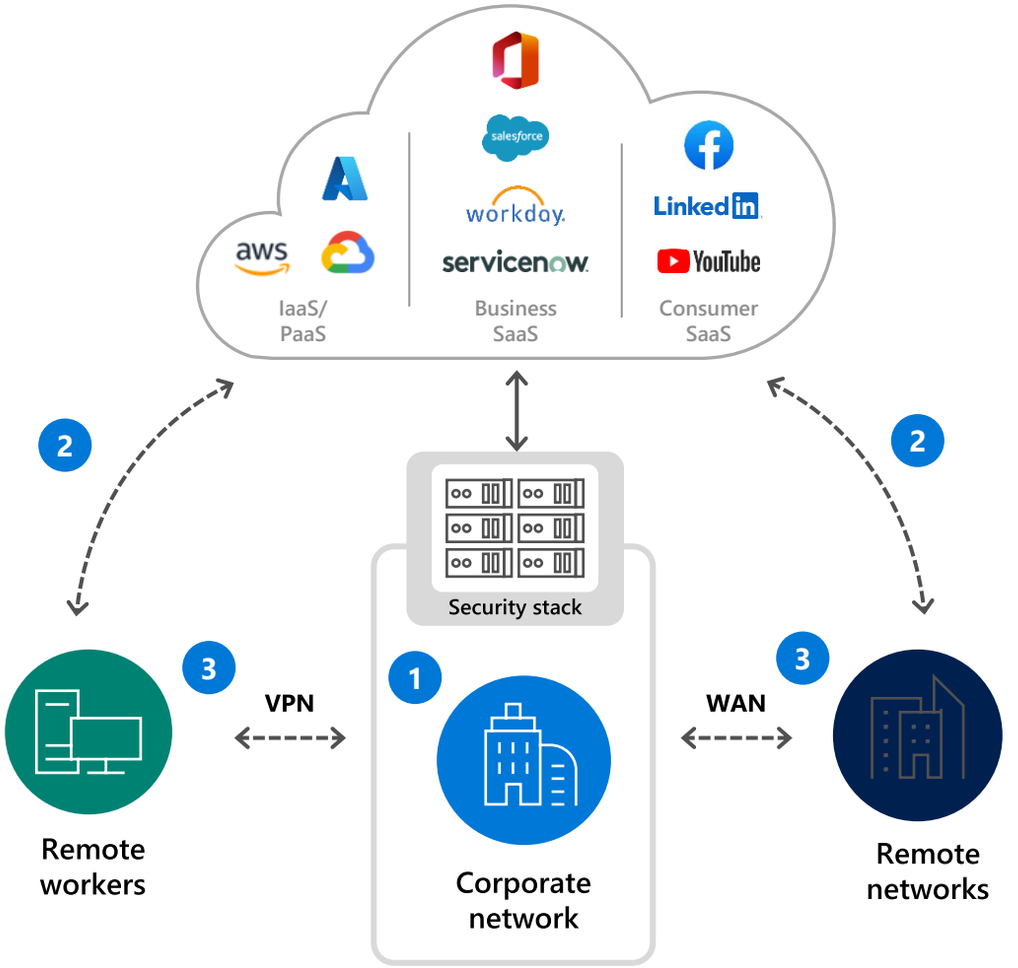
The rise of cloud workloads and mobile workers is increasingly straining traditional corporate networks and network security models, resulting in security risks and poor user experience

Challenges with conventional approaches

1. Dramatic traffic increase strains network capacity and on-prem security stack. Sub-optimal user experience on account of traffic hair-pinning.

2. Users circumvent IT controls and access resources directly.

3. Compromised users/devices can move laterally on traditional corporate networks.



Identity-centric Security Service Edge (SSE)

Any user, any device

Identities

Endpoints

Remote networks

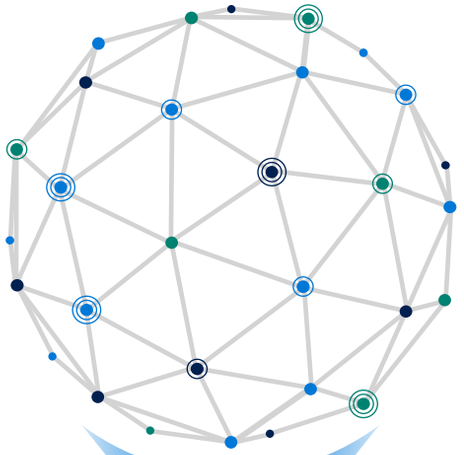
Conditional Access in Microsoft Entra ID

Continuous access evaluation (CAE)

Dedicated tunnels

Anywhere

Microsoft global private wide area network



Dedicated tunnels

Any apps and resources

Microsoft 365 apps and resources

Internet and SaaS apps

All private apps

Private web apps

Microsoft's Security Service Edge (SSE) solution

Enforce unified adaptive access controls

Simplify network access security

Deliver a great user experience anywhere

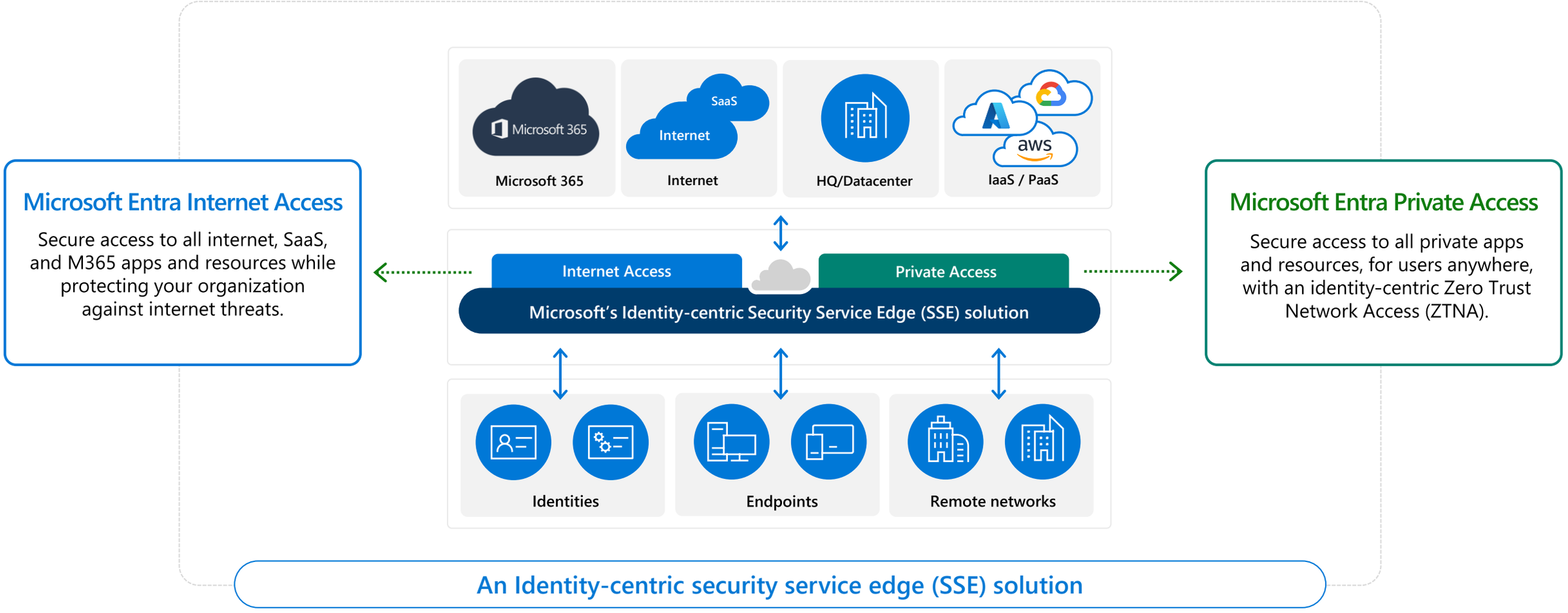
Verify explicitly

Use least privilege

Assume breach

Microsoft's security service edge (SSE) solution

Internet access and private access



Microsoft Entra Internet Access

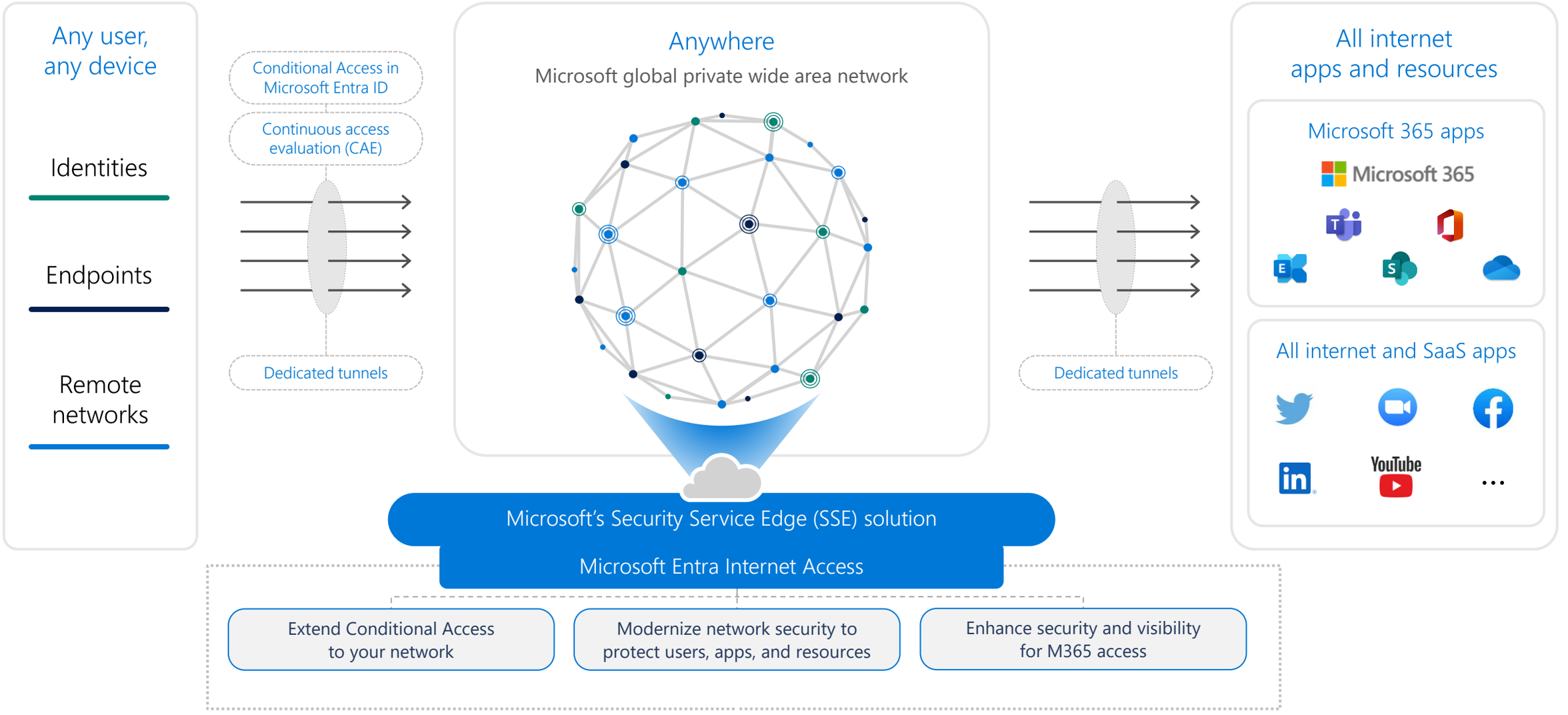
Secure access to all internet, SaaS, and M365 apps and resources while protecting your organization against internet threats.

Microsoft Entra Private Access

Secure access to all private apps and resources, for users anywhere, with an identity-centric Zero Trust Network Access (ZTNA).

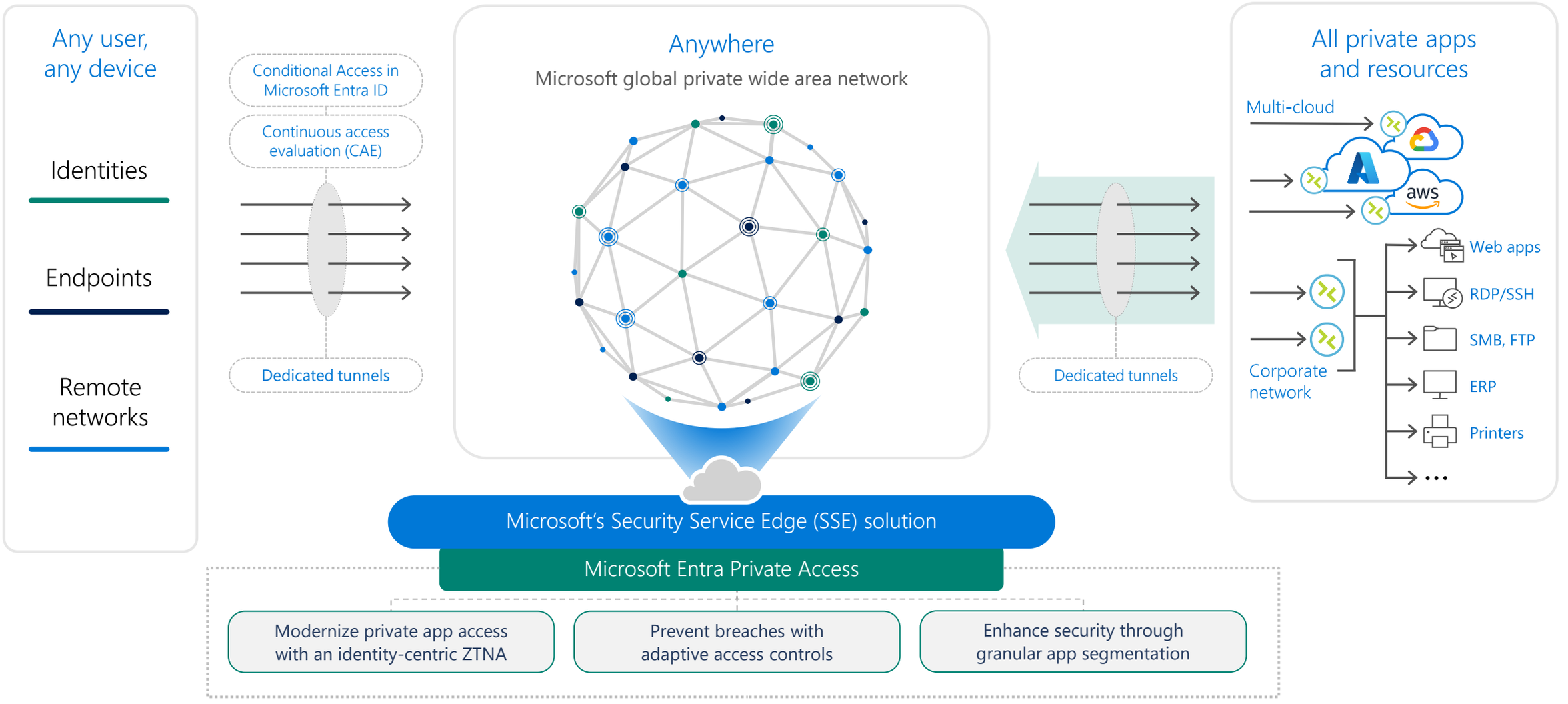
An Identity-centric security service edge (SSE) solution

Microsoft Entra Internet Access



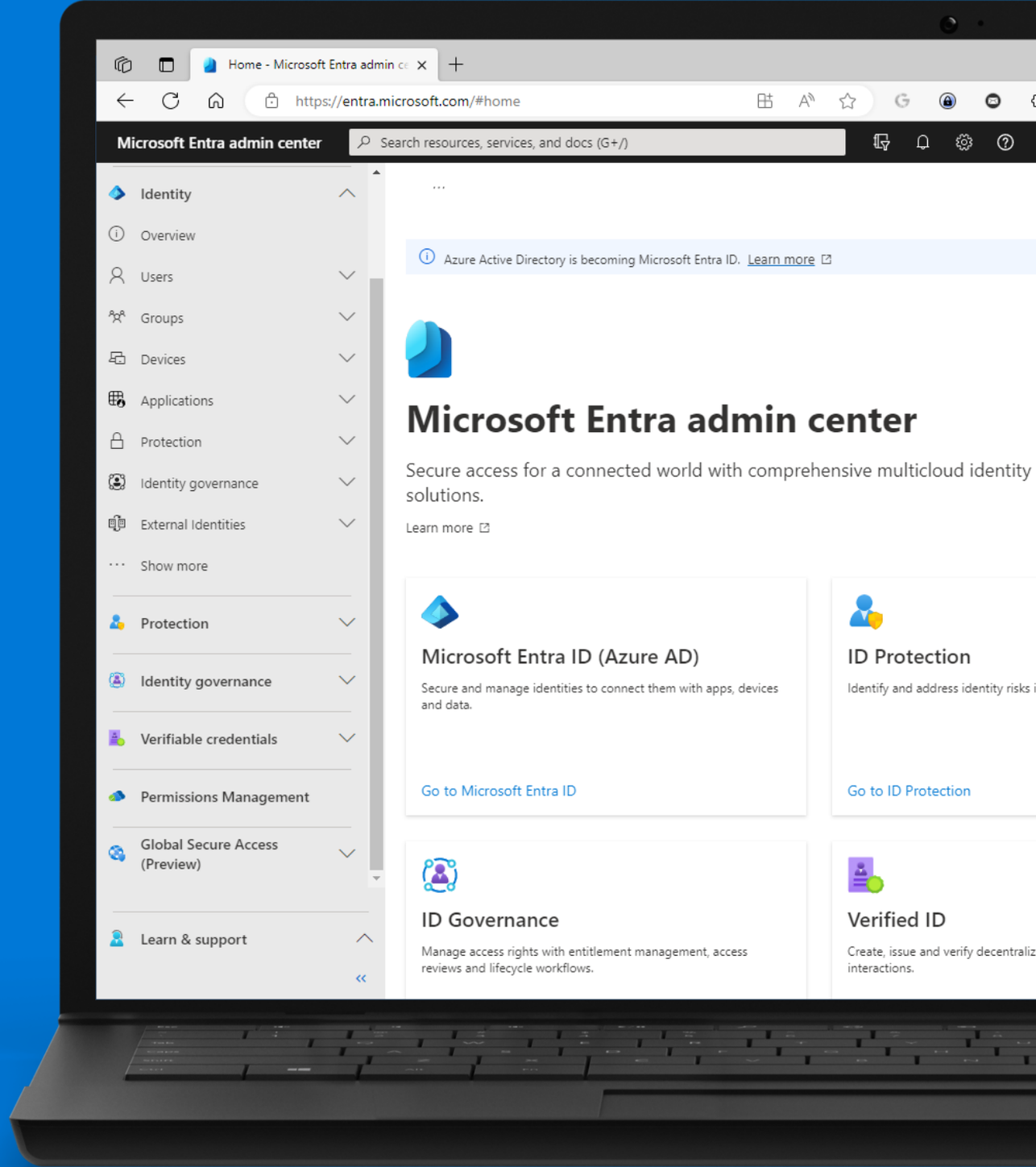
[Configurare Microsoft Entra Internet Access - ICT Power]

Microsoft Entra Private Access



[Configurare Microsoft Entra Private Access - ICT Power]

DEMO


Home - Microsoft Entra admin ce
https://entra.microsoft.com/#home
Microsoft Entra admin center
Search resources, services, and docs (G+/)
Identity
Overview
Users
Groups
Devices
Applications
Protection
Identity governance
External Identities
Show more
Protection
Identity governance
Verifiable credentials
Permissions Management
Global Secure Access (Preview)
Learn & support
Azure Active Directory is becoming Microsoft Entra ID. Learn more
Microsoft Entra admin center
Secure access for a connected world with comprehensive multicloud identity solutions.
Learn more
Microsoft Entra ID (Azure AD)
Secure and manage identities to connect them with apps, devices and data.
Go to Microsoft Entra ID
ID Protection
Identify and address identity risks
Go to ID Protection
ID Governance
Manage access rights with entitlement management, access reviews and lifecycle workflows.
Verified ID
Create, issue and verify decentraliz
interactions.

Grazie

Microsoft Security Italian Users Group

Nicola Ferrini
Microsoft MVP

/NicolaFerrini.it
@nicolaferrini
/nicolaferrini