EY Digital Identity Solution Supported by Microsoft Entra

Helping you meet your security challenges within one single technology stack

Business drivers

▸ According to the Microsoft Cyber Signals report, National Cybersecurity strategy 2023, "98% of attacks can still be protected by basic security hygiene with Microsoft Entra being the core to secure the Identity".

▸ Organizations need to decommission legacy solutions and move to cloud as many of them use outdated technologies that may not be fully compatible with cloud infrastructure.

▸ Just as with any other M&A process, inheriting cyber risks is one of the biggest threats to divestment, pressing the need for critical oversight to minimize human error and negligence.

▸ Multiple security tools with overlapping capabilities and adding to significant licensing costs and are impacting the security posture of businesses.

▸ With businesses implementing multi-cloud architectures, they need to understand infrastructure entitlements and permissions across multi-cloud environment.

▸ Misconduct of third-party users, business partners and vendors can create significant liability for your organization for corruption, fraud and financial crimes.

▸ Security teams that continue to rely on virtual private networks (VPNs) and firewalls are increasingly turning to implement Zero-Trust principles in a cost-effective and timely manner.

Solution overview

▸ A rise in penalties for data protection and privacy-related violations has led to an influx of unmanaged, costly data security technologies. There is a growing need for more secure interactions while respecting privacy with an industry-leading global platform.

▸ EY Digital Identity Solution Supported by Microsoft Entra is one unified model to help manage permissions of any identity across any cloud. It is a family of products that encompasses all identity and access capabilities. Within the EY Digital Identity Solution Supported by Microsoft Entra family are products such as Identity Governance, Advanced Authentication, Conditional Access, Workload Identities, Permissions Management, Verified ID (Decentralized Identity).

▸ It is not a replacement or rebranding of the Azure Active Directory (Azure AD). In fact, Azure AD which includes Identity Governance, Advanced Authentication, and Conditional Access framework is now a part of EY Digital Identity Solution Supported by Microsoft Entra.

▸ As more clients migrate legacy applications to the cloud, EY Digital Identity Solution Supported by Microsoft Entra is all set to secure the applications after transition. According to the Microsoft Cyber Signals report: National Cybersecurity strategy 2023, "98% of attacks can still be protected by basic security hygiene with Microsoft Entra being the core to secure the identity".

EY Digital Identity Solution Supported by Microsoft Entra helps safeguard your users, apps, workloads and devices

Diagram showing interconnected circles: Identity Governance, Advanced Authentication, Workload Identities, Permissions Management, Verified ID (Decentralized Identity) surrounding Conditional Access.

Solution benefits

▸ **Identity Governance:** Simplifies operations, meets regulatory requirements, and consolidates multiple point solutions with a complete solution across on-premises and cloud-based user directories.

▸ **Advanced Authentication:** Provides single sign-on, federation, multi-factor authentication (MFA), password-less capabilities.

▸ **Conditional Access:** Brings signals together, to make decisions, and enforces organizational policies. Azure AD Conditional Access is at the heart of the new identity-driven control plane.

▸ **Workload Identities:** Helps manage and secure identities for digital workloads such as apps and services and controls their access to cloud resources with risk-based policies and enforcement of least-privileged access.

▸ **Permissions Management:** Discovers, remediates and monitors permission risks across your multicloud infrastructure with a cloud infrastructure entitlement management (CIEM) solution.

▸ **Verified ID (Decentralized Identity):** Helps create, issues, and verifies privacy-respecting decentralized identity credentials with an identity verification solution that facilitates more secure interactions with anyone or anything.

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Building a better working world

Microsoft

Joint value proposition

- The EY-Microsoft Alliance designs and delivers transformative cloud solutions to help our clients solve their toughest issues.
- The Alliance helps create long-term value by unlocking the power of data and combining business ingenuity, industry expertise and intelligent technology.
- The combination of Microsoft and EY capabilities allows you to realize your goals with the best-of-breed, tool and vendor-agnostic program, and industry-leading thought leadership.
- The EY-Microsoft Services Group was named a 2021 Leader in IDC Worldwide Microsoft Implementation Services and 2021 Leader for Microsoft Business Application Services by The Forrester Wave™.
- We have also received six Microsoft Advanced Specializations and are Gold competency partner across Azure, Dynamics 365 and Microsoft 365 clouds focused on the following technology domains: Azure Cloud Strategy and Transformation, Data and AI, Dynamics 365 and Power Platform, Microsoft 365, Cybersecurity and Internet of Things.

Solution differentiators

- Entra technology implementation for:
  - Authentication / SSO / password-less
  - Workforce modernization (Identity governance and administration)
  - Permissions Management

- Cloud migration and enablement for:
  - Security simplification, tools rationalization, zero-trust adoption of E5
  - Entra assessments (Azure AD, cloud permissions)
  - Migration of applications from legacy access management solutions to Entra

- Business solutions for:
  - Cross-border data access
  - Business partners, vendors, third-party onboarding (B2B)
  - Customer journey enablement (powered by Decentralized Identity)

Contacts

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EY and Microsoft: Work Better. Achieve More.
Every day, throughout the world, businesses, governments and capital markets rely on EY business ingenuity and the power of Microsoft technology to solve the most challenging global issues.
EY and Microsoft bring a compelling formula to spark the potential of the cloud and unlock the power of data. We solve our clients' most challenging issues by blending trusted industry expertise with innovative cloud technology.
Our strategic relationship draws on decades of success developing visionary solutions that provide lasting value.
Together, we empower organizations to create exceptional experiences that help the world work better and achieve more.
For more information, visit: ey.com/Microsoft.

Case study

The client is one of the largest and fastest-growing employee-owned supermarket chains in the American retail sector with headquarters in Florida. The client has grown from a single store into the largest employee-owned grocery chain in the United States. They operate throughout South-eastern United States, with locations in Florida, Georgia, Alabama, South Carolina, Tennessee, North Carolina and Virginia.

Client challenge	Engagement summary	Value delivered
The client teams wanted assistance to: - Perform an assessment of their entire Microsoft Entra Azure Active Directory tenant . - Analyze applications' authentication mechanisms and integration patterns. - Produce future-state roadmap and migration strategy to cloud. - Create an actionable roadmap to expand Microsoft Entra Azure Active Directory footprint for cloud transformation journey.	- EY teams performed a detailed Microsoft Entra Azure Active Directory technical assessment through interviews and by running read-only PowerShell scripts. - They also interviewed applications through questionnaires and existing authentication integration documents to come up with the patterns of integration with existing authentication systems. - In addition, EY teams recommended Zero-Trust adoption plan and phased Microsoft Cloud App Security (MCAS) roadmap for top identified Cloud Access Security Broker (CASB) use cases. - EY professionals produced patterns and prioritization of applications along with strategy for migration to Microsoft Entra Azure Active Directory.	- Evaluated people, process and technology components of the current security program - Identified and prioritized opportunities for rapid improvement and to help drive the strategic priorities to expand Azure footprint - Performed detailed Azure Active Directory technical assessment through interviews and by running read-only PowerShell scripts - Identified 13 high and medium priority observations and suggested recommendations - Analyzed 17 configurations settings for alignment to leading practices for threat detection and prevention - Analyzed 42 configurations settings for alignment to leading practices for cloud application and user behavior monitoring - Recommended eight different integration patterns for applications based on assessment data

EY | Building a better working world

EY exists to build a better working world, helping to create long-term value for clients, people and society, and build trust in the capital markets.

Enabled by data and technology, diverse EY teams in over 150 countries provide trust through assurance and help clients grow, transform and operate.

Working across assurance, consulting, law, strategy, tax and transactions, EY teams ask better questions to find new answers for the complex issues facing our world today.

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