**Microsoft**

Microsoft Entra Workload Identities

World-leading identity security capabilities for apps and services

What are workload identities? Think about the software workloads you use in the cloud every day: applications, scripts, services, and containers. Just like entering a password to log into your workspace every day, each of these software workloads requires authentication and authorization of identity. Failure to authenticate any workload identity opens your organization to risk and security concerns. As such, organizations need streamlined solutions to fortify their data and simplify the workload identities management process.

Microsoft Entra is your universal platform for workload identity and access management. Encompassing applications, service principals, and managed identities, Entra workload identities can secure, protect, govern, and simplify the entire identities management process.
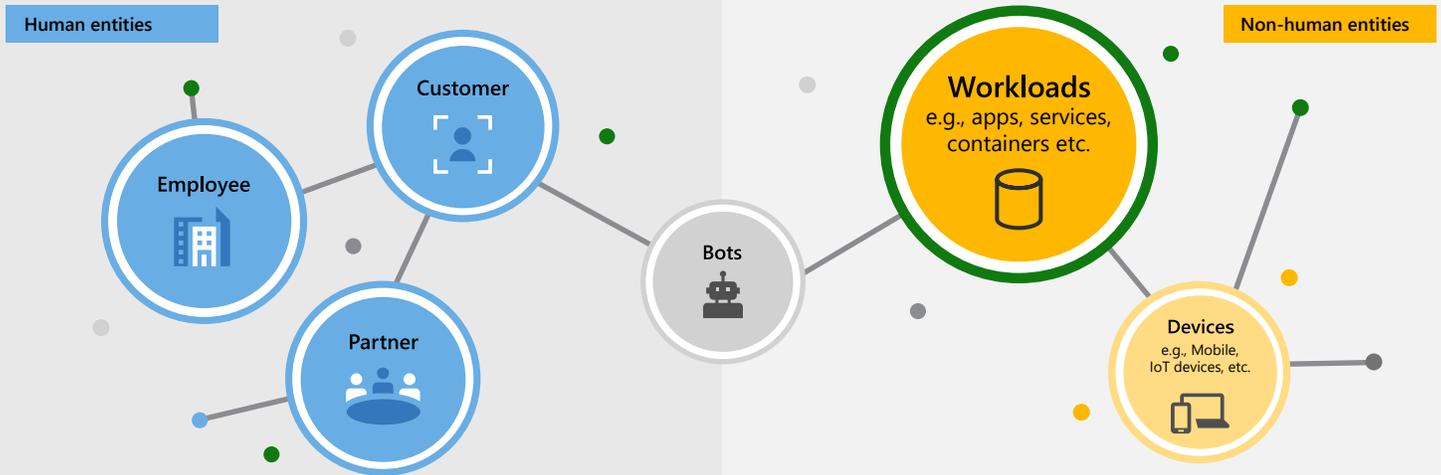
Securing and adapting identity access

Entra protects your workload identities by securing access to resources and data. Our risk-based adaptive access policies in Conditional Access safeguard your information with minimum effort on your part.

Detecting compromised workload identities

Entra intelligently detects and responds to compromised workload identities. Using cloud-based AI and automation capabilities, workload identities contains threats and mitigates impact to your organization.

Simplifying lifecycle management

Workload identities simplifies life cycle management from creation to deprecation by streamlining cleanup tasks and alerting you to critical changes and suspicious sign-in activity.

Why Microsoft Entra workload identities?

More and more, solutions are reliant on non-human entities to complete vital tasks. Our data indicates that in five years, non-human identities will increase dramatically. Recent cyberattacks show that adversaries are increasingly targeting non-human identities over human identities.

Most identity and access management solutions on the market today are focused only on securing human identities. Microsoft Entra helps bridge that security gap, offering future-focused solutions to simplify your identity management process before it gets exponentially more complicated.

Today

In five years

User Identity   Workload Identity

1:5

1:20
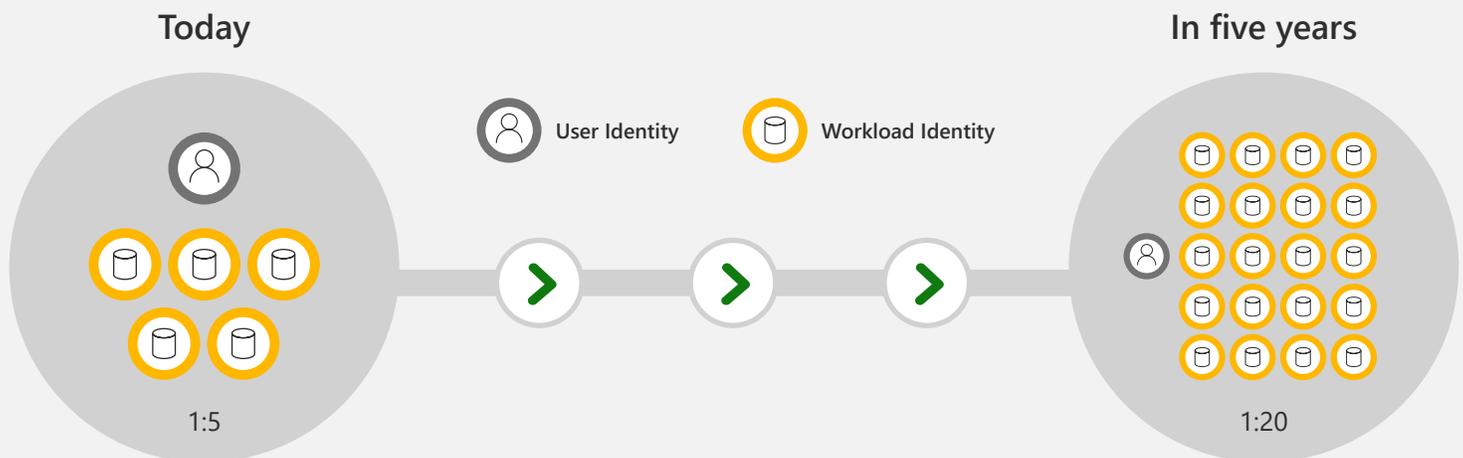
Source: Microsoft Security internal research 2021

Capabilities

Workload identity
Assign an identity to software workloads such as apps and services to control their access to cloud resources just like identities for humans.

Identity protection
Automate the detection of identity-based risk, invest risks using data in the portal and export risk detection report to SIEM tools.

Conditional Access
Define the conditions under which a workload may access a resource, such as a particular IP range and a detected risk level.

Access review
Create access reviews for privileged access assigned to workload identities to Azure resource and Microsoft Entra roles.

Learn more

▶ Click here for the workload identities overview page

▶ Click here for workload identities on Microsoft Docs

▶ Click here for the "Introduction to workload identities" eBook