Veza for Microsoft Azure

If Microsoft Azure is a cornerstone of your cloud infrastructure, excessive or misconfigured access permissions in Azure RBAC can be your single biggest vulnerability. Veza is the identity security platform enabling you to answer the question:

WHO CAN TAKE WHAT ACTION ON WHAT **SERVICES AND DATA** IN AZURE?

Identity security challenges in Microsoft Azure

Complexity

Identity access is highly configurable, with dozens of distinct permissions for Azure Blob Storage alone. Now, add in the challenge of resolving interactions between management groups, subscriptions, resource groups and resources. Access outcomes become almost impossible to predict.

Scale

Security and governance teams are managing many more resources and identities in Azure than in the on-prem world, especially when you account for non-human identities (NHIs). Traditional security and governance tools and processes—which assume a limited number of sensitive resources and rely on HR systems as a source-of-truth on identity—are still catching up.

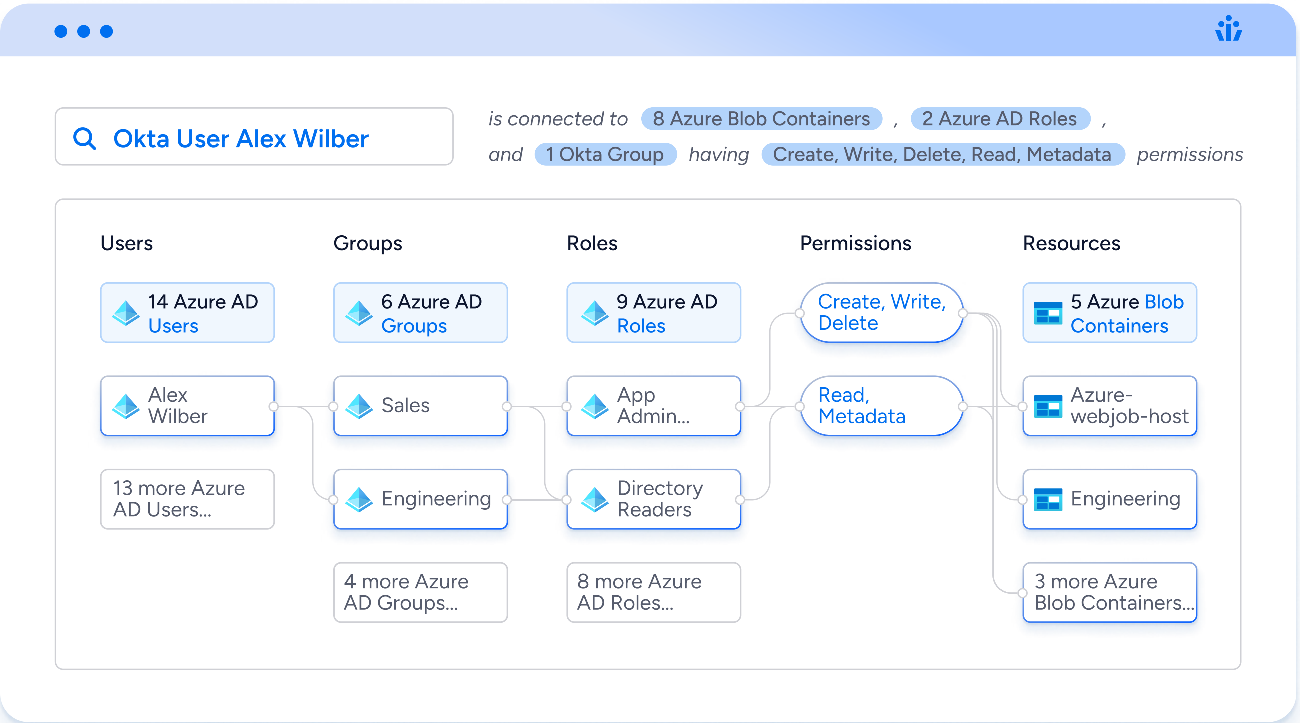
Secure Collaboration

Azure has been innovative in enabling organizations to collaborate with external users, but continuing to monitor whether third parties have the proper access to company data in Azure has become a new challenge.

> Despite a proliferation of tools that claim to offer Cloud Infrastructure Entitlement Management (CIEM), few have been able to offer visibility into the effective permissions of identities in cloud services like Microsoft Azure, leaving the question: How can you manage what you can't see? Moreover, Microsoft Azure is only one piece of your access puzzle. Your identity solution needs cover access to all systems: cloud infrastructure, on-premise apps, SaaS apps, and data lakes.

How Veza can help

Veza is powered by its Access Graph, which gives organizations the ability to visualize relationships between all identities and systems by connecting users, groups, roles, and permissions. The graph simplifies the process of understanding access across enterprise tools by presenting one comprehensive view of “effective permissions” for any enterprise identity or resource.



Okta User Alex Wilber

is connected to 8 Azure Blob Containers , 2 Azure AD Roles , *and* 1 Okta Group *having* Create, Write, Delete, Read, Metadata *permissions*

Effective permissions

Translate Azure permissions into simple, human-readable language of create, read, update, and delete, and resolve complex policy interactions to give actionable intelligence on who can do what in Microsoft Azure. For example, Veza would show that “Okta user Alex Wilber can delete data from the engineering container in Microsoft Azure Blob Storage.”

Access AI

Veza’s Access Graph is built on a graph database that tracks the full path from an identity to a specific permission and is built to handle complex queries at scale. With Access AI, you can now ask questions in plain language to find and fix problems faster, while reducing the burden on security and governance teams. Veza watches continuously for policy violations and new privileged accounts, so you can comply with internal controls and external regulations.

Agentless

Veza maintains agentless read-only connections to both Microsoft Azure and your identity providers, giving a complete picture of the access granted to federated identities, revealing governance blindspots, like local users, inactive users or orphaned accounts in Microsoft Azure.

Benefits

Reduced Risk

Surface and prioritize identities with the highest privilege, risk, or policy issues across all enterprise systems, without having to master the complex access model of Azure RBAC.

Least Privilege

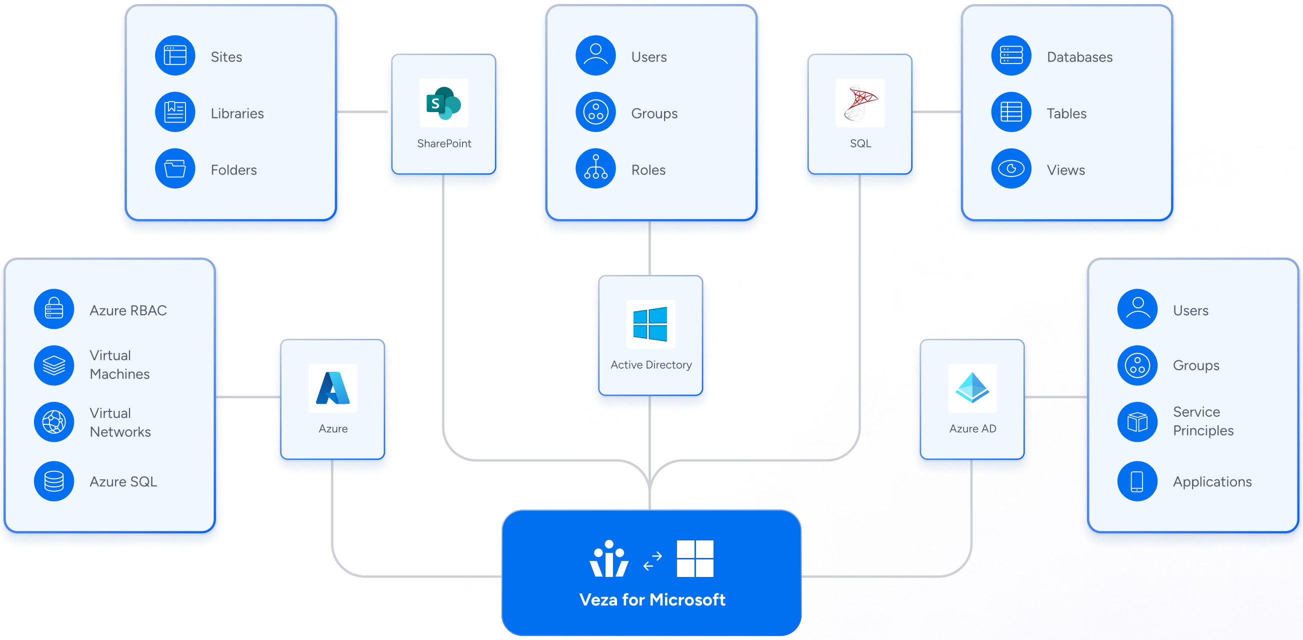
Reduce risks and simplify audits by continuously identifying and remediating identity misconfigurations, dormant permissions, and over-permissioned identities.

Team Efficiency

Reduce manual, repetitive tasks by leveraging automation to detect and remove dormant access. Use Veza to delegate access decisions to business managers who best understand specific systems.

Full coverage of Microsoft services

Veza connects to the full range of Microsoft services for intelligent access across your cloud infrastructure, including SharePoint, SQL, Active Directory and Azure AD.



Three steps to Intelligent Access with Veza and Microsoft Azure

Step 1: Set up the agentless, read-only API integration in minutes. On day one, get out-of-the-box intelligence on common access risks and misconfigurations. Close exploitable security gaps like dormant accounts and roles and orphaned local users. Identify all local and federated users with admin privileges. Uncover all non-human identities and understand the access they have to sensitive resources in Azure.

Step 2: Triage your less obvious security risks, with blast radius analysis to reveal identities with access to a large number of Azure resources, or resources accessible to a large number of identities. Slash manual compliance work by automating the process of compiling and conducting access reviews and certifications in Azure, all based on the effective permissions of identities. Use role mining intelligence to clean up your role-based access control (RBAC), trimming over-privileged, dormant, and unused roles.

Step 3: Build a program of automated access control. Identify your data crown jewels, monitor continuously for new access and create workflows for access remediation. Maintain least privilege by utilizing tools like Role Recommendations to easily respond to access requests with a least privilege role assignment. Sleep a little easier knowing you're proactively fixing excess privilege and misconfigurations as they occur, not after they empower an attacker.

Get Started with Veza for Microsoft Azure

To learn more about how Veza can bring identity security to your Azure environment visit veza.com/schedule-demo to schedule a personalized demo.

About Veza

Veza is the identity security company. Identity and security teams use Veza to secure identity access across SaaS apps, on-prem apps, data systems, and cloud infrastructure. Veza solves the blind spots of traditional identity tools with its unique ability to ingest and organize permissions metadata in the Veza Authorization Graph. Global enterprises like Wynn Resorts, and Expedia trust Veza to visualize access permissions, monitor permissions activity, automate access reviews, and remediate privilege violations. Founded in 2020, Veza is headquartered in Los Gatos, California, and is funded by Accel, Bain Capital, Ballistic Ventures, GV, Norwest Venture Partners, and True Ventures. Visit us at veza.com and follow us on LinkedIn, Twitter, and YouTube.