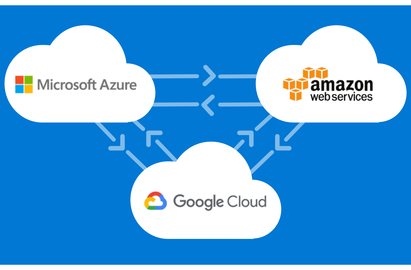
Microsoft Security

How can cloud permission risks impact your organization?

As more organizations adopt **multi-cloud** infrastructures, **identity permissions** have exploded across the 3 leading cloud platforms: Microsoft Azure, Amazon Web Services (AWS), and Google Cloud Platform (GCP).



The shift to multi-cloud presents new permission challenges

40,000+ permissions across major clouds and counting

>5% of permissions are actually used

50% of these permissions are considered high-risk

95% of permissions are unused and represent potential high-security risks

Permissions

Access details granted by IT administrators to identities that define access rights to specific resources.

High-risk Permissions

Any permission that, if used improperly,can cause service disruption, service degradation or data leakage.

The rise of human& workload identities increases complexity across clouds

Ratio of user identities vs. workload identities:

1:5 today

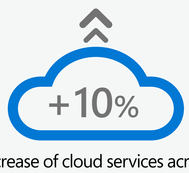
1:20 in five years

User Identities
- Employees
- Customers
- External partners

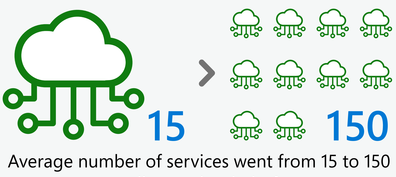
Workload Identities
- Web apps
- Virtual machines
- Scripts
- Containers

Increase in identities accessing cloud infrastructures, driven by the increase in workload identities

As services continue to expand, super identities expose your infrastructure to unnecessary risk



Increase of cloud services across major cloud infrastructures



Average number of services went from 15 to 150 annually per cloud platform

Super Identities

A powerful account that can create and modify configuration settings to a service, add or remove identities, or access and delete data.

How can you prevent your cloud permissions from expanding your attack surface?

- Assess your permission risks and identify what identity has been doing what, where they've been doing it, and when they've been doing it
- Grant permissions on-demand and just-in-time to ensure least privilege access
- Continuously monitor permissions usage across clouds to prevent security threats

Learn more about multi-cloud permissions management at https://aka.ms/CloudKnox.