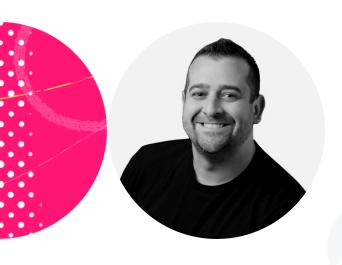
Discover and Control Shadow IT with Defender for Cloud Apps

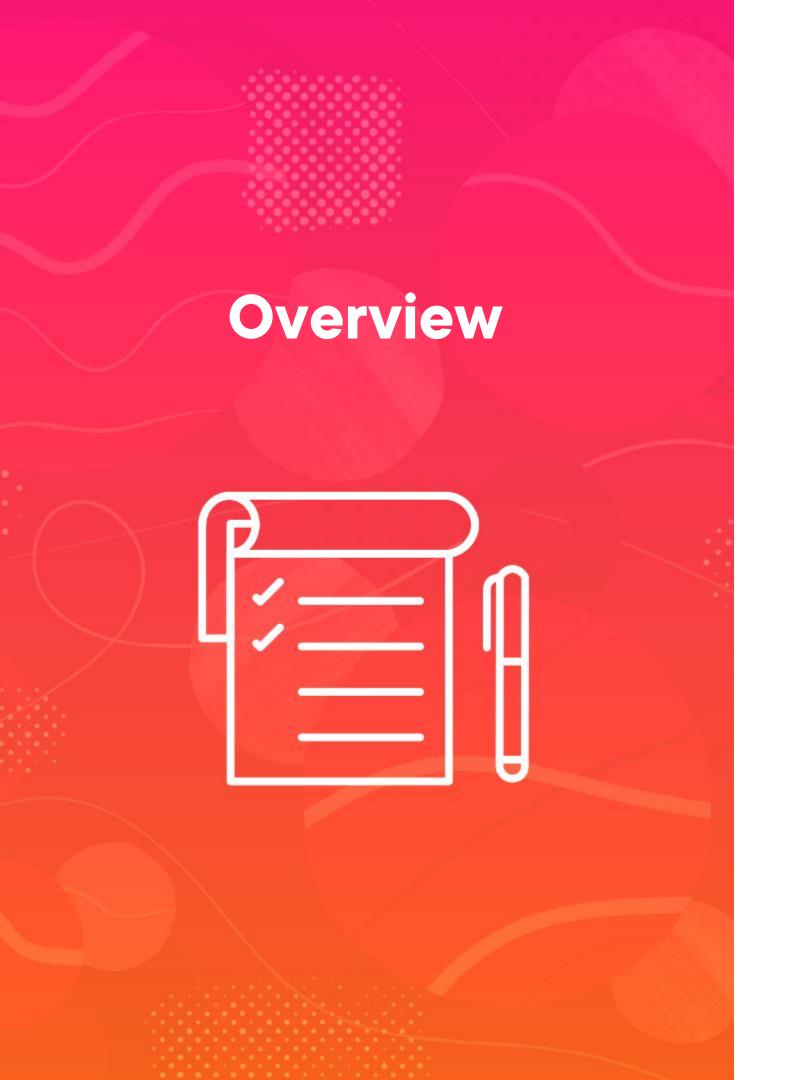


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Introduction to Shadow IT

Microsoft Defender for Cloud Apps

Introduction to Shadow IT

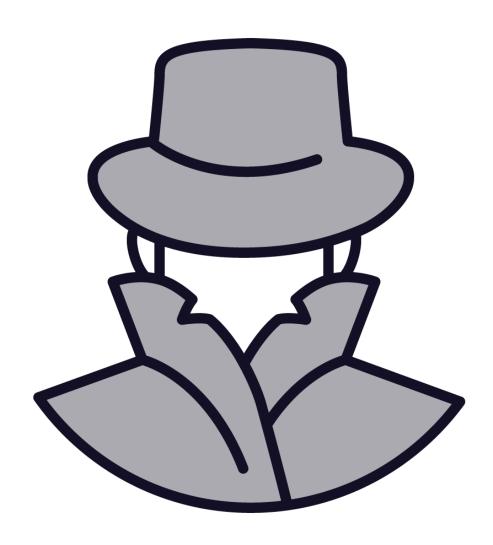


Shadow IT

Shadow IT is the use of IT-related hardware or software by a department or individual without the knowledge of the IT or security group within the organization. It can encompass cloud services, software, and hardware.



Why Is Shadow IT a Thing?



User needs evolved over time

IT was often too slow to deploy new software

- Or lock it down too much

Users find a way to fill the business need by using consumer tools



Common Example

Users need to share large files with external partners

Too large for e-mail

IT blocks all external sharing in SharePoint Online

For "security reasons"

Department gets a Dropbox consumer subscription to share files with the external partners

IT has no idea



Downsides of Shadow IT



Lack of security

- Often don't use the most secure identity/ access methods

Lack of compliance

- Tools don't necessarily follow the right compliance requirements for the business

Lack of integration

 Don't integrate with other systems which can cause a lack of productivity

At the end of the day, it's better if users have more permissions/ features inside your IT system rather than them having content somewhere you have no idea about!



Microsoft Defender for Cloud Apps



Microsoft Defender for Cloud Apps

Microsoft Defender for Cloud Apps is a Cloud Access Security Broker (CASB) that operates on multiple clouds. It provides rich visibility, control over data travel, and sophisticated analytics to identify and combat cyberthreats across all your cloud services.

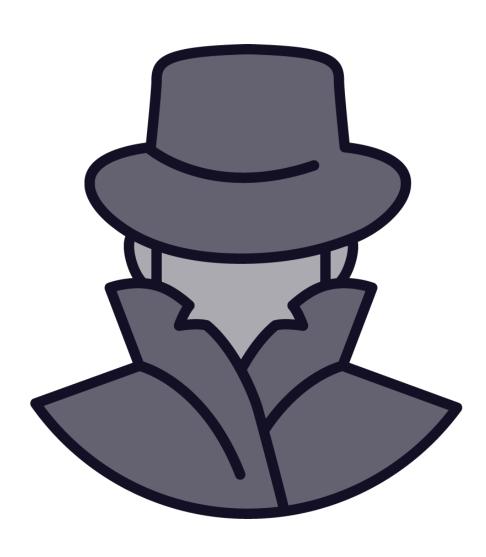


Cloud Access Security Broker (CASB)

Cloud Access Security Brokers are cloud-based security solutions that provide a new layer of security to enable oversight and control of activities and information across public and custom cloud SaaS apps and laaS services. CASBs are broken down into four key capability areas including Shadow IT Discovery, Information Protection, Threat Protection and Compliance, and provide a central control plane for governance and policy enforcement across all of your cloud apps and services.



Discover the Use of Shadow IT



Identify the cloud apps and services used by your organization

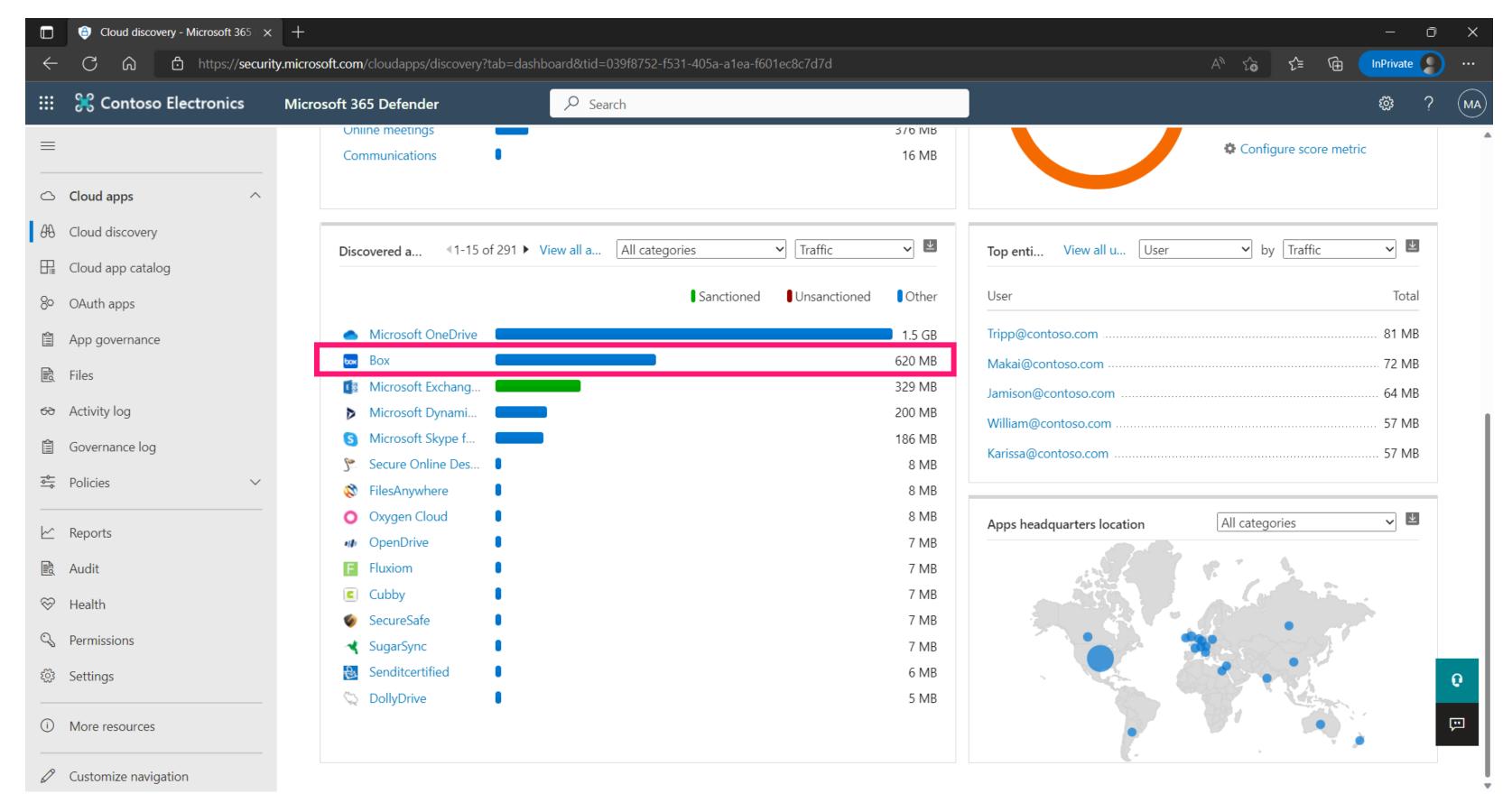
Defender for Cloud Apps can import traffic logs directly from your firewall/proxies

- Compare it to an app catalog of over 31,000 cloud apps curated by Microsoft
- Microsoft ranked and scored the apps based on 90+ risk factors

This knowledge can also serve as innovation fuel for new enterprise apps



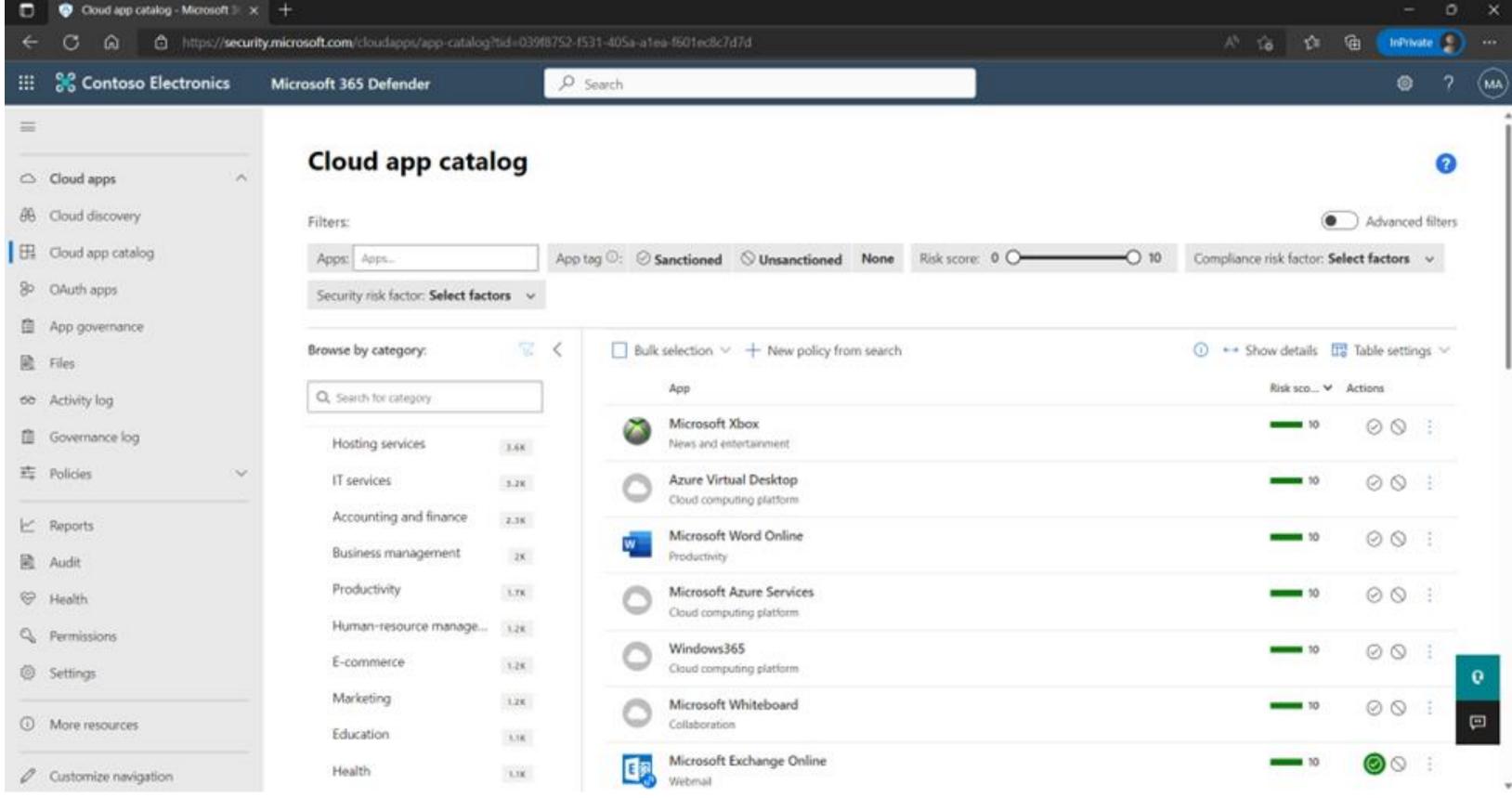
Defender for Cloud Apps: Discovered Apps





Source: Microsoft

Defender for Cloud Apps Cloud: App Catalog



Source: Microsoft



Built-in App Connectors

Defender for Cloud Apps has multiple app connectors allowing you to access information from other apps

Account Information

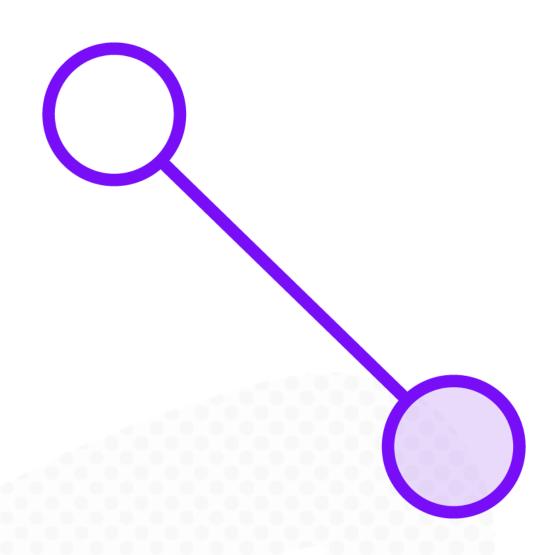
Audit Trail

Data Scan

Account Governance

Data Governance

Capabilities depend on third-party app API

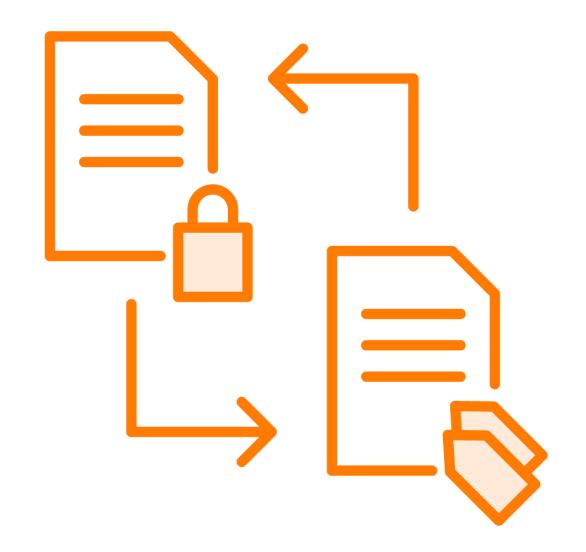




Sample Apps with App Connectors

AWS Dropbox Box **ServiceNow** Salesforce Google Workspace

Integrates with Other MS Security & Compliance Tools



Microsoft Defender XDR

Microsoft Purview

- Apply sensitivity labels in other apps
- Data classification to discover sensitive information

Microsoft Sentinel

- Centralized monitoring of alerts and discovery data





Top 20 use cases for CASBs

https://query.prod.cms.rt.micros oft.com/cms/api/am/binary/RE 3nibJ

Module Conclusion



Introduction to Shadow IT

- Use of IT hardware/software without the knowledge of the IT or security groups

Microsoft Defender for Cloud Apps

- Cloud Access Security Broker
- Discover and control the use of Shadow IT
- Built-in App Connectors
- Integration with other Microsoft security and compliance apps



Up Next:

Course Conclusion

