Summer 2021: Information Security Workshop

Microsoft Cloud App Security



Welcome

Introductions

In the chat, please say hello with your name, college, and position.

Speaker

Dan Rojas Information Systems Security Officer, Santa Monica College



Agenda

How to set up Microsoft Cloud App Security to monitor:

Microsoft Defender

Microsoft Azure

Office 365 security assets and cyberthreats

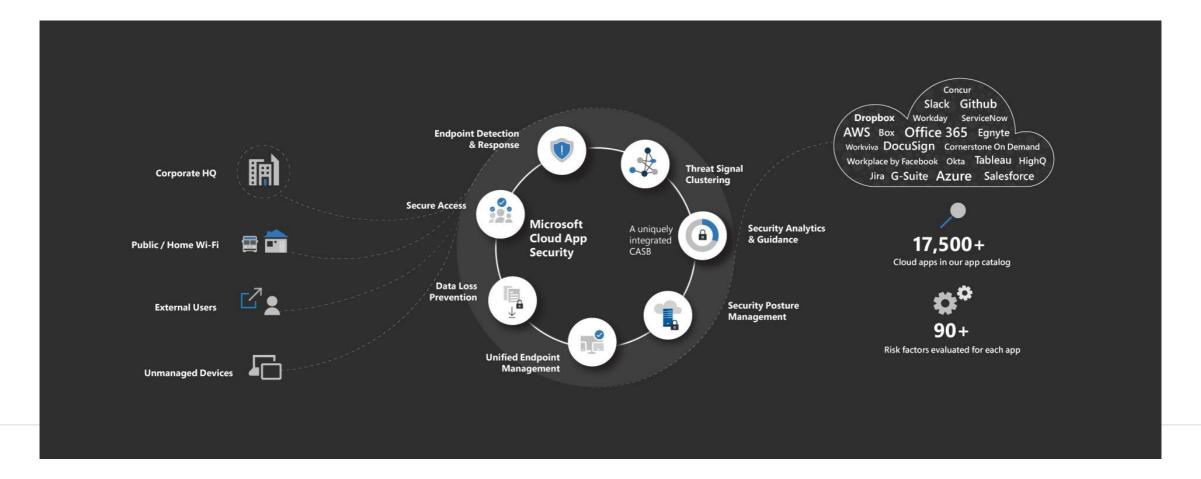


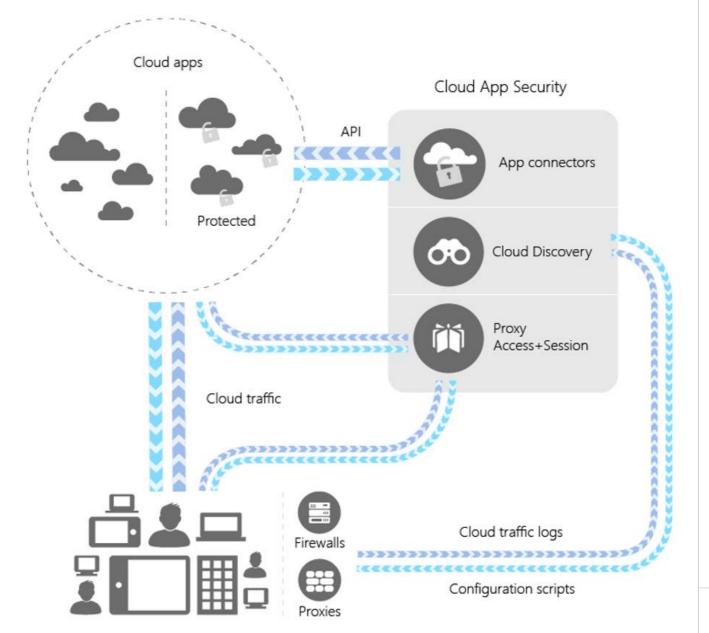
Microsoft Cloud App Security

- Cloud-delivered service for visibility and control of cloud apps
- Supports third-party cloud apps
- Alerts for atypical and suspicious activity
- Based on Adallom acquisition







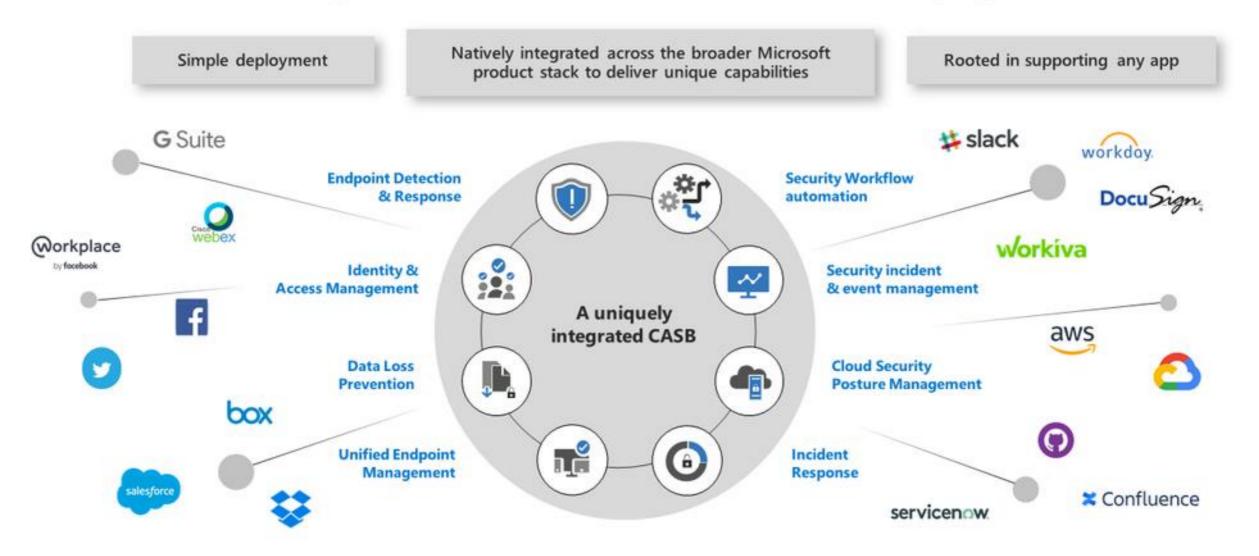


Your organization from any location

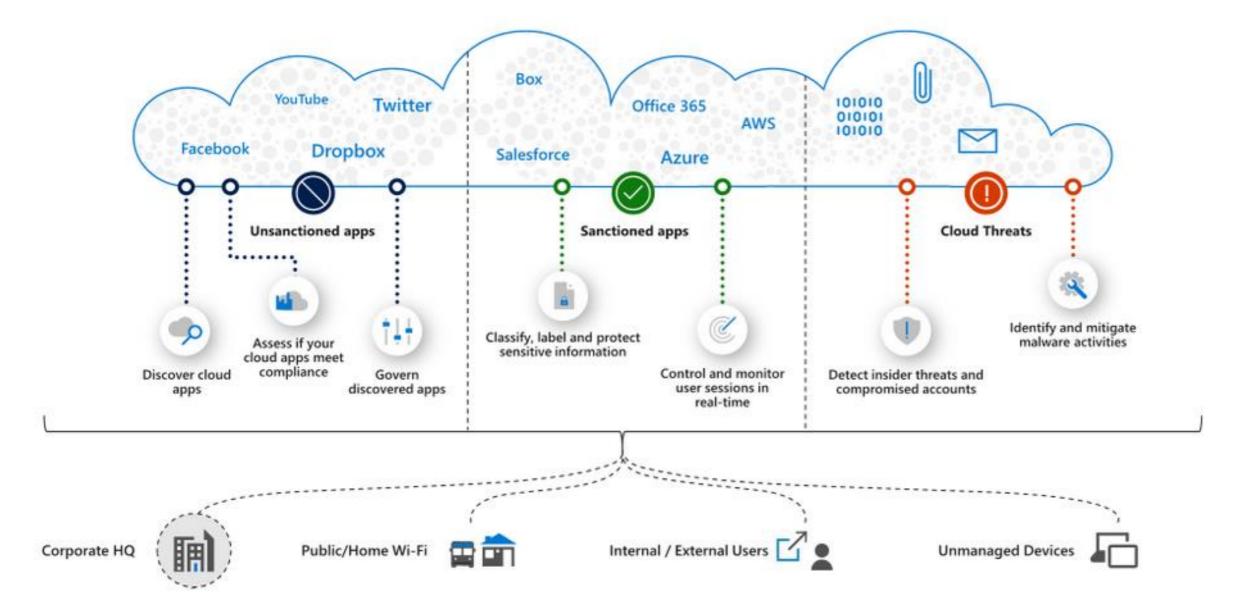


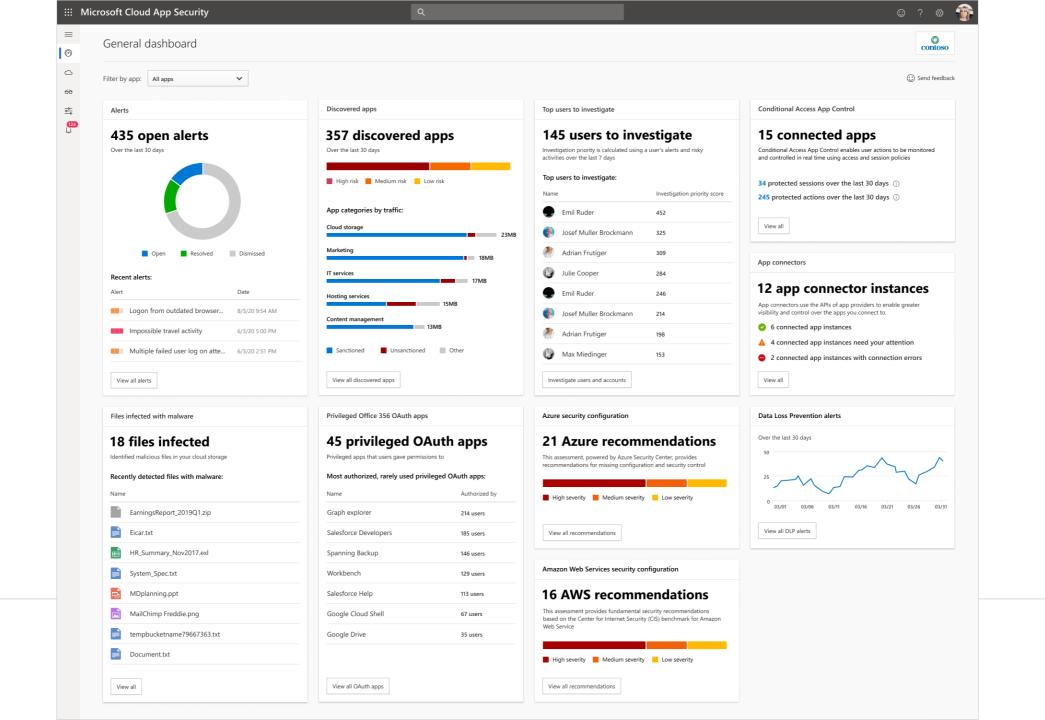
Microsoft Cloud App Security

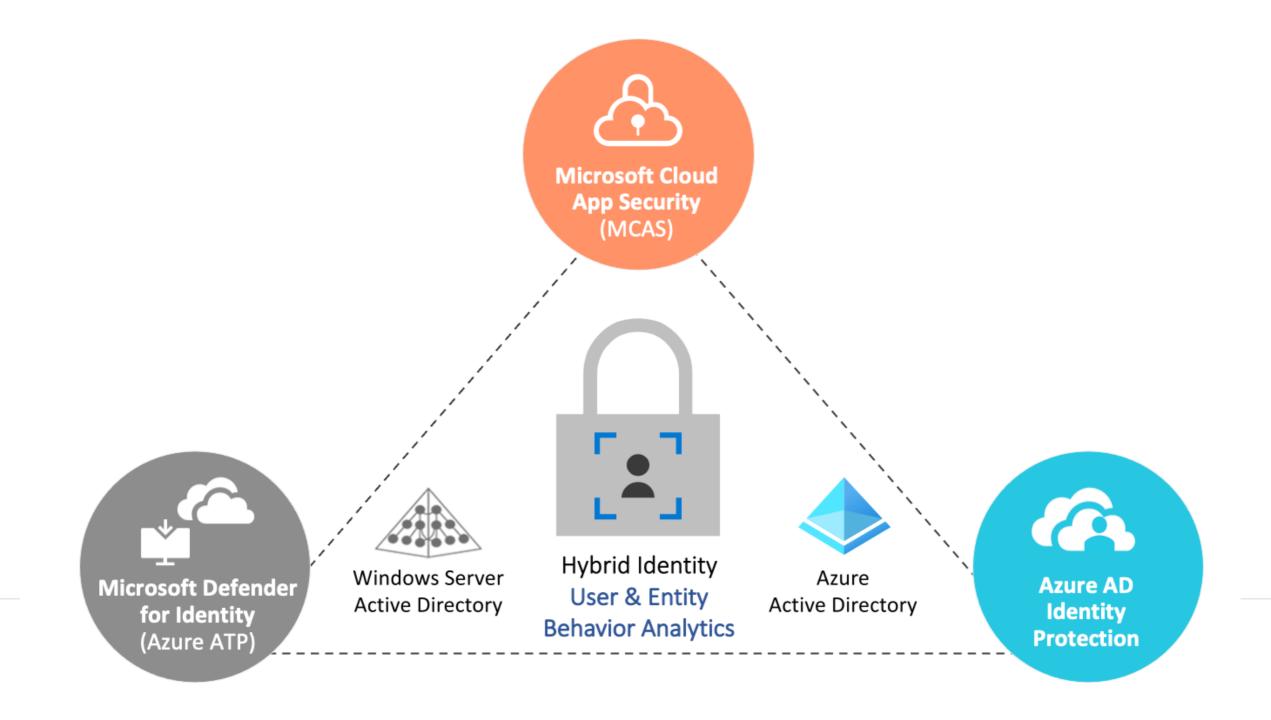
The go-to CASB for Office 365 and Azure that loves 3rd party



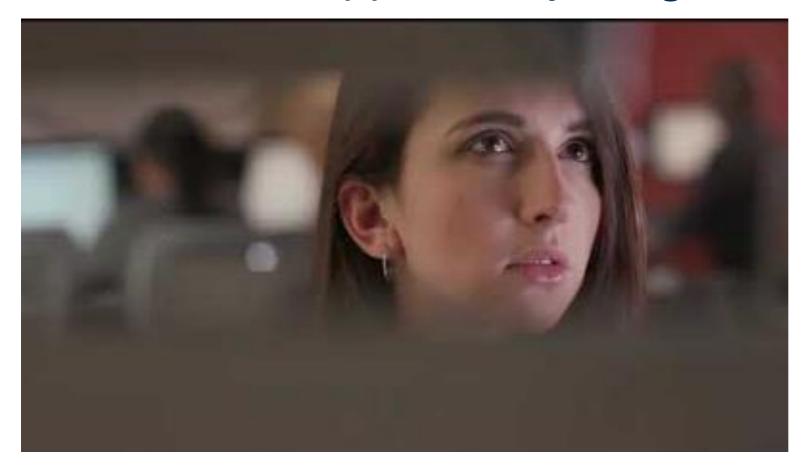
Top CASB use cases



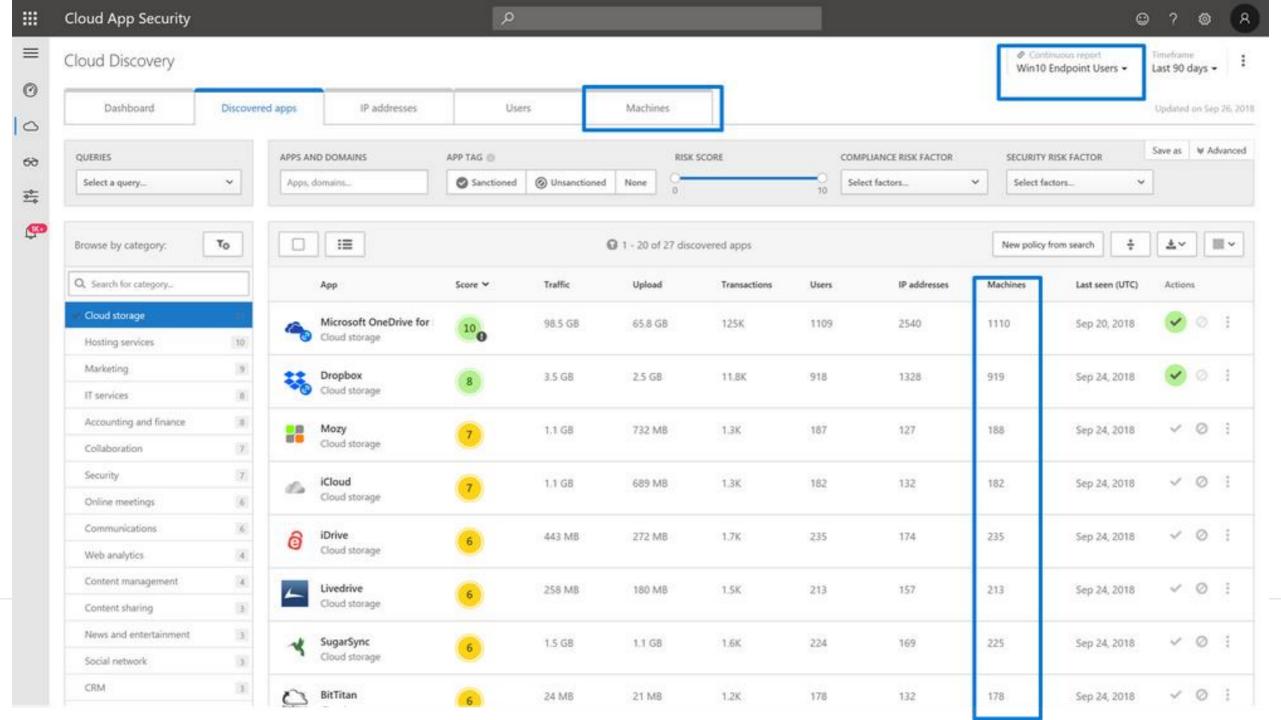




Microsoft Defender ATP & Microsoft Cloud App Security Integration

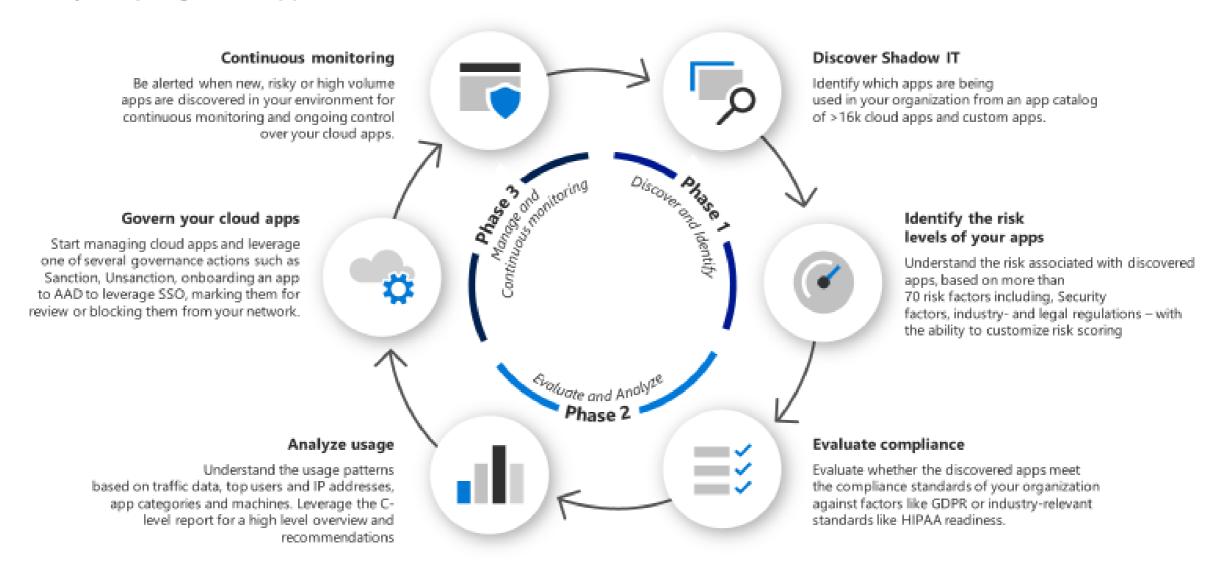


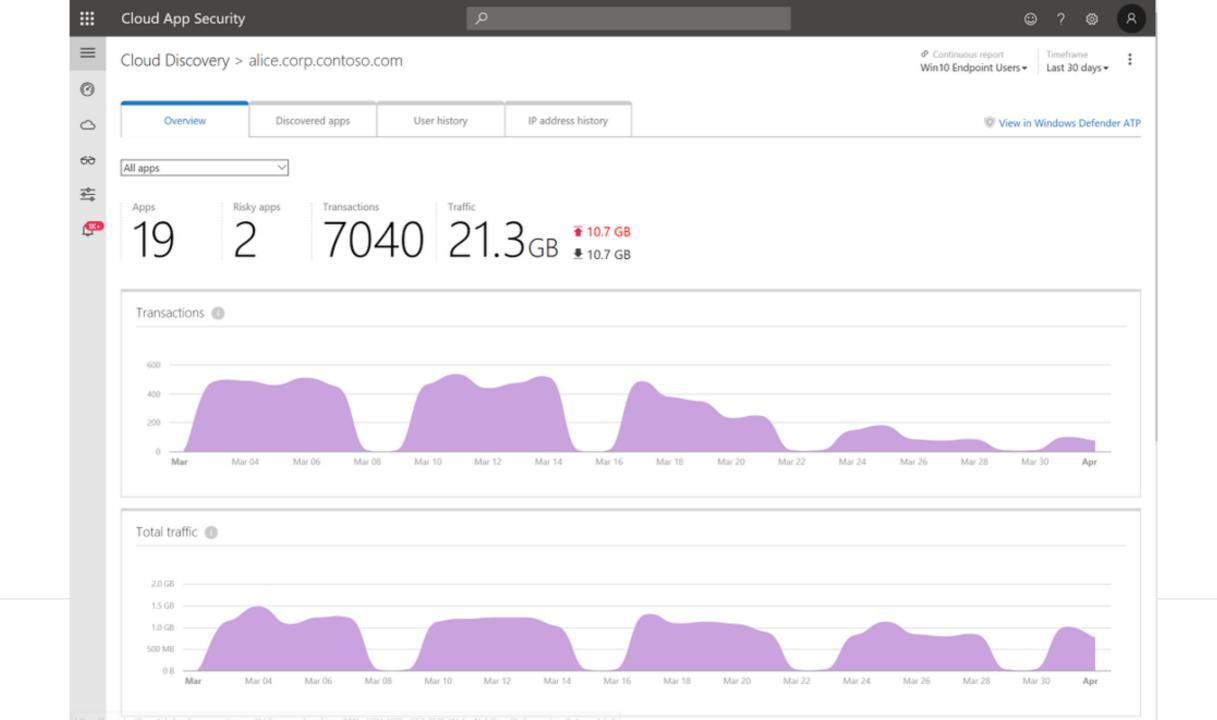




SHADOW IT MANAGEMENT LIFECYCLE

Safely adopting cloud apps





Microsoft Azure

- What are the differences in discovery capabilities for Azure Active Directory and Microsoft Cloud App Security?
- Azure security baseline for Microsoft Cloud App Security
- Overview of the Azure Security Benchmark



Azure Defender

Advanced workload protection for selected resource types



Azure Sentinel

Security information event management, orchestration & automation across your environment, including 3rd party devices











Azure Security Center

Your base level of security posture management including on-prem via Azure Arc



Search (Ctrl+/) <<

General

- Overview
- Getting started
- Recommendations
- Security alerts
- Inventory
- Community

Cloud Security

- Secure Score
- Regulatory compliance
- Azure Defender

Management

- Pricing & settings
- Security policy
- Security solutions
- Workflow automation
- Coverage
- Cloud connectors (Preview)





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Azure subscriptions



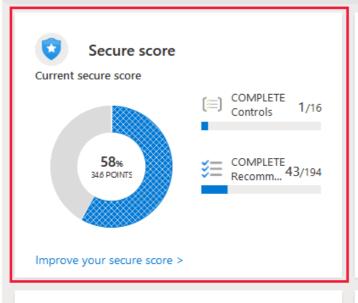
9 4 GCP projects



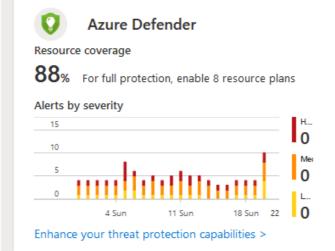
Active recommendations



Security alerts









Insights

Most prevalent recommendations (by resources)

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	\$= <u>A</u>	Storage account public access sh	290

/= .	A vulnerability	accaccment	coluti	123
	A vuinerability	r assessment	soluti	123



Controls with the highest potential increase

(Remediate vulnerabilities +11% (6pt)

(=) Enable encryption at rest +6% (4pt)

[=] Remediate security configura... +5% (4pt)

View controls >

Azure Security Center community

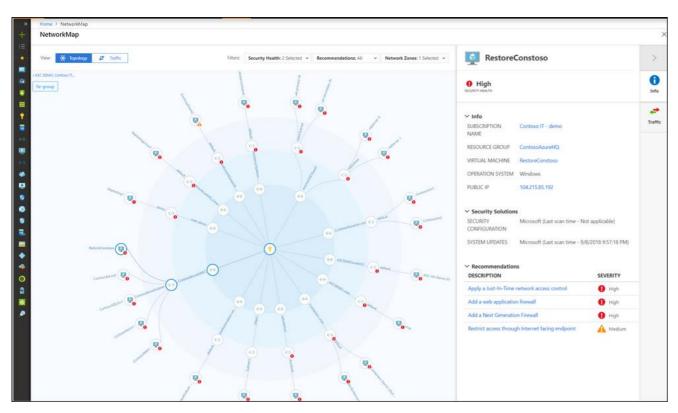


Join the Azure Security Center community on GitHub to interact with other customers and experts and learn, provide feedback, and share knowledge about Security Center.

View Azure Community >



Azure Security Center - Security Posture Management







Useful Links

- Onboard Windows Defender Endpoints
 - https://docs.microsoft.com/en-us/microsoft-365/security/defender-endpoint/onboard-configure?view=0365-worldwide
- Onboard Microsoft Defender for Identity
 - https://docs.microsoft.com/en-us/cloud-app-security/mdi-integration
- Connect Office 365
 - https://docs.microsoft.com/en-us/cloud-app-security/connect-office-365-to-microsoft-cloud-app-security
- Connect Microsoft Azure
 - https://docs.microsoft.com/en-us/cloud-app-security/connect-azure-tomicrosoft-cloud-app-security

