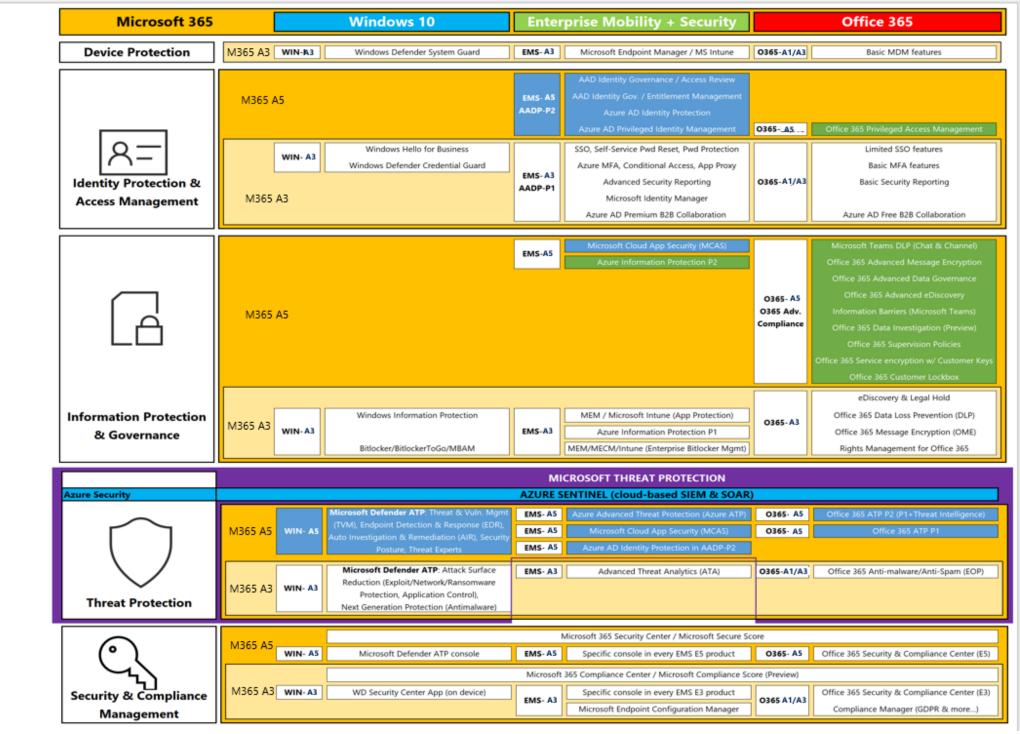


Microsoft 365 Security & Compliance platform

> Microsoft 365 A5 Security

> Microsoft 365 A5 Compliance

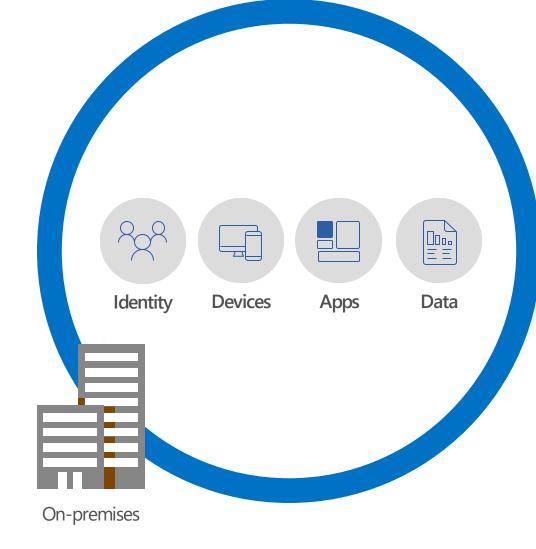




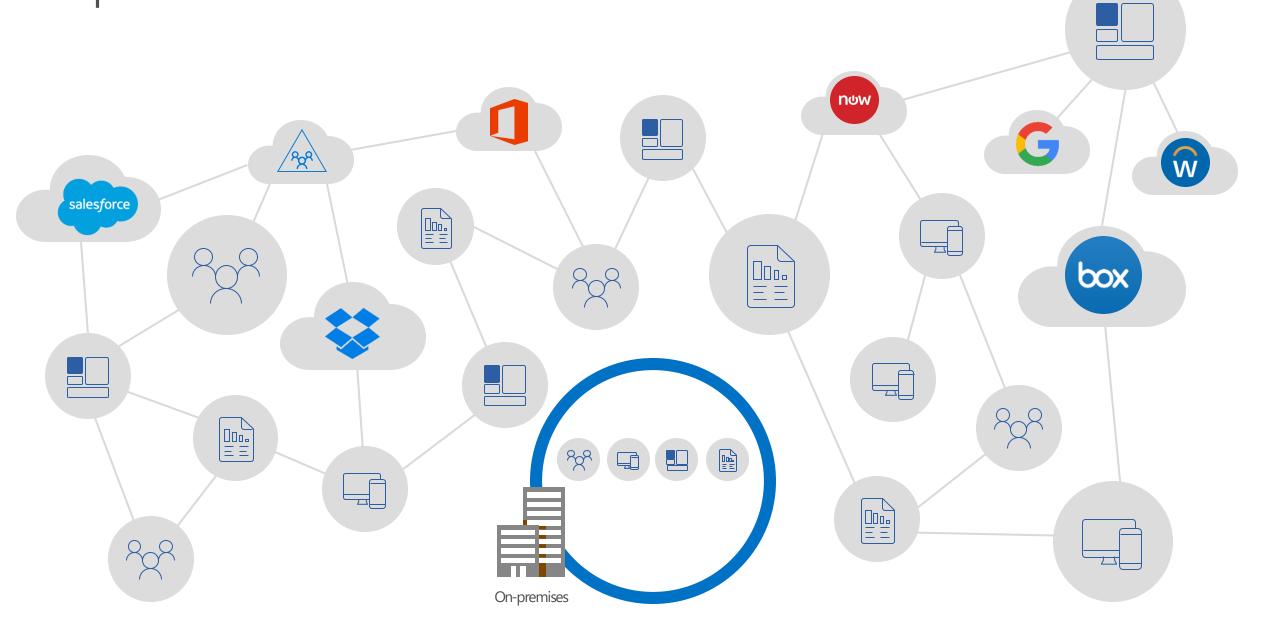
Security with Microsoft

Patrizio Rinaldi SR Technical Specialist, Microsoft Italia - Security and Compliance prinaldi@microsoft.com

Il perimetro della sicurezza è cambiato



Il perimetro della sicurezza è cambiato



Microsoft Intelligent Security Graph

Machine learning alimentate da trilioni di segnali

200B emails analyzed each month

1.2B

devices scanned each month 200+

global cloud consumer and commercial services Malware data from Windows Defender Shared threat data from partners, researchers and law enforcement worldwide

Botnet data from Microsoft Digital Crimes Unit

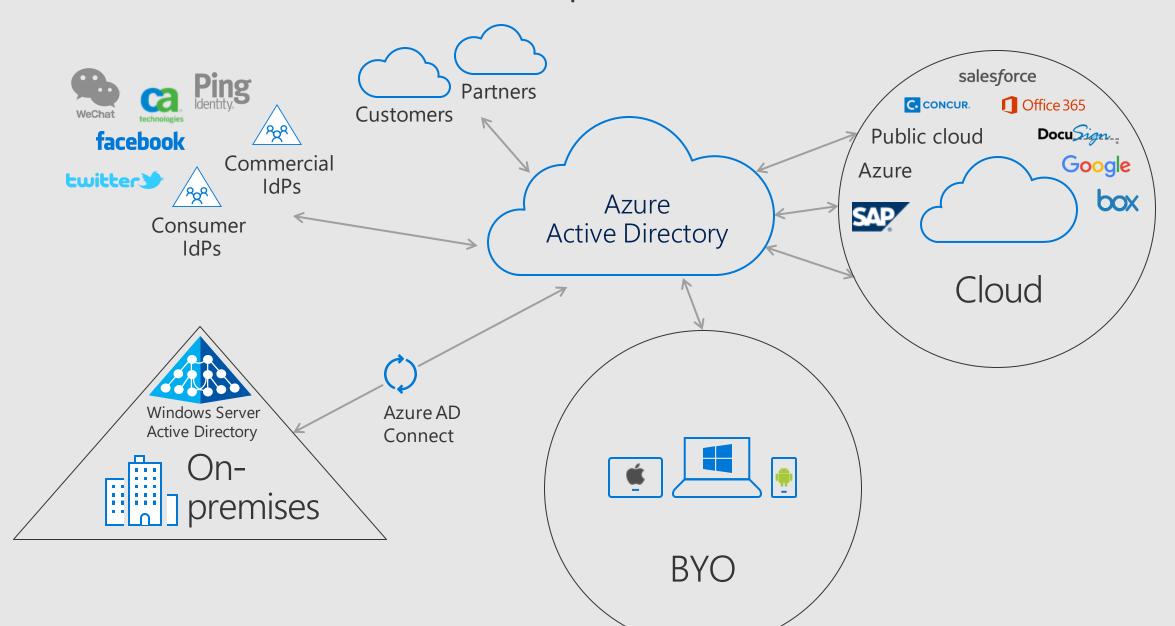
Enterprise security for 90% of Fortune 500

1,5B+
Azure
user
accounts

18+
billion
Bing web
pages
scanned

500B monthly authentications

L'identità è il nuovo pannello di controllo



Protezione avanzata degli accessi

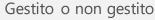


Utenze specifiche

Identità

Appartenenza a gruppi





Compliant o non compliant

Tipologia (Windows, iOS, Android)

Perso o rubato



Applicazione

Applicabile a livello di singola applicazione

Tipo di applicazione usata (Web, mobile rich app)



Altro

Provenienza (paese, IP) Profilo di rischio della sessione













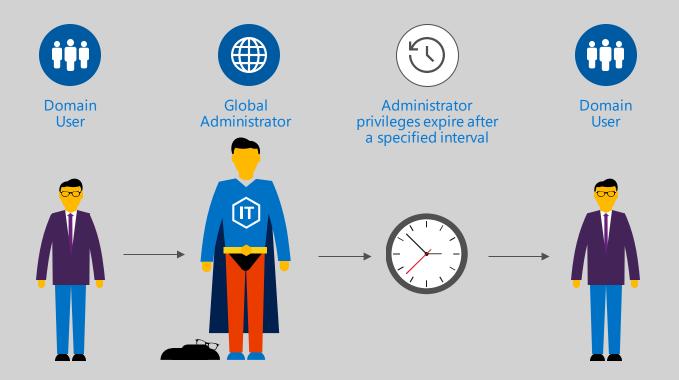


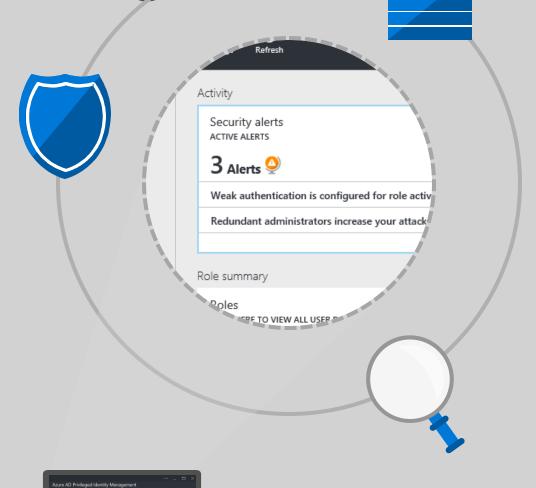
Gestione delle identità privilegiate

Individuare, limitare e monitorare le identità privilegiate

Abilita l'accesso amministrativo on-demand e just-in-time solo quando necessario

Abilita avvisi e reportistica per la gestione e revisione degli accessi





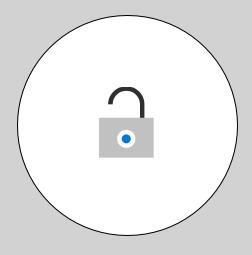
14 🏜 Users



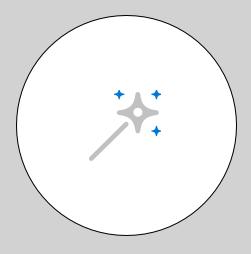
Azure AD Identity Governance



Identity lifecycle facilities collaboration



Access lifecycle provides seamless and efficient access

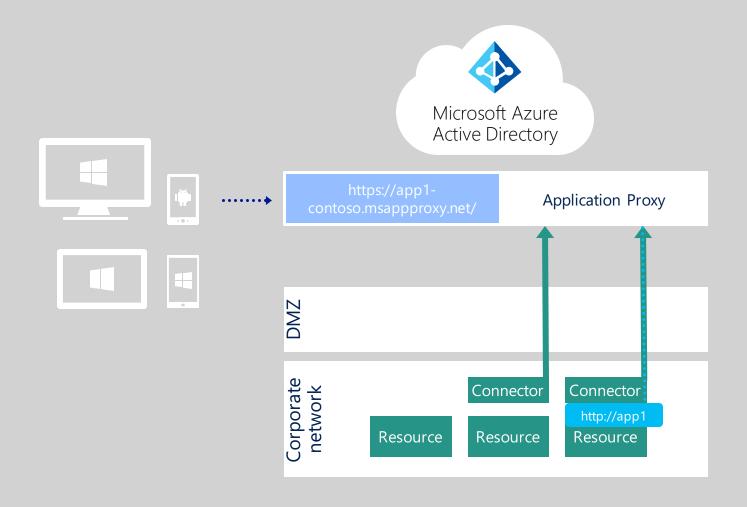


Privileged access lifecycle addresses risks inherent in administration

Assicurati che gli utenti giusti abbiano il diritto di accedere alle risorse giuste

Azure Active Directory Application Proxy

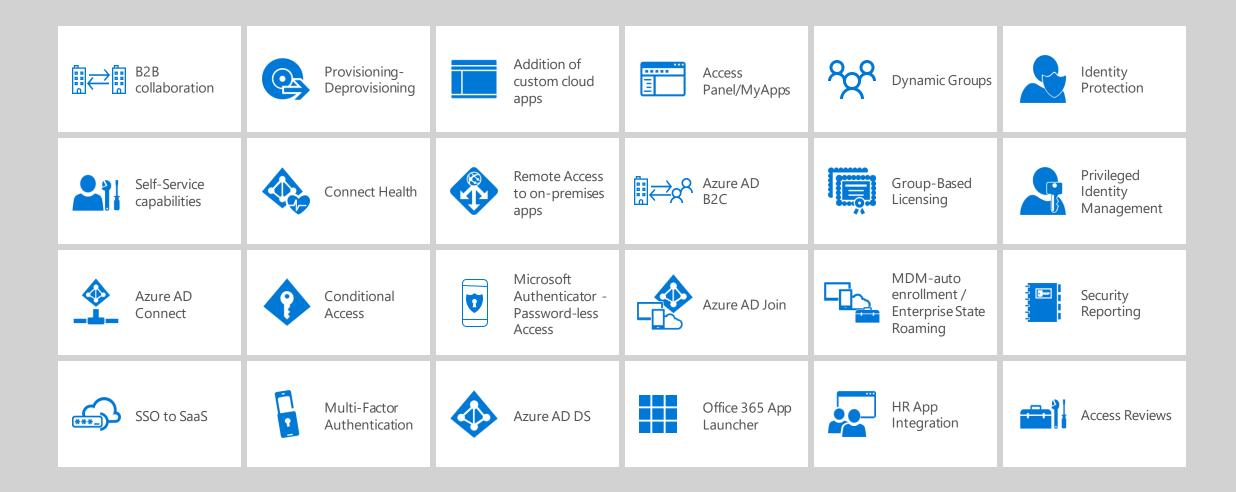
Abilita l'accesso sicuro alle applicazioni locali senza VPN



- Abilita sistemi di autenticazione moderni su applicazioni Legacy
- Abilita il SSO in diversi scenari di autenticazione
- Si connette automaticamente al servizio cloud
- Gestibile in logica di alta affidabilità e secondo la scalabilità necessaria
- Non richiede aperture sui firewall
- Gli utenti si connettono al servizio cloud che indirizza il traffico alle risorse tramite i connettori

Azure Active Directory

— Gestione completa dell'identità e degli accessi per dipendenti, partner e clienti —





Enterprise Mobility + Security

Proteggi i tuoi dati ovunque

58%

dei lavoratori hanno accidentalmente condiviso dati sensibili con persona sbagliata



Azure Information Protection

Data and e-mail protection on-premises and in the cloud



Classification and labeling

Classify data based on sensitivity and add labels—manually or automatically.



Protection

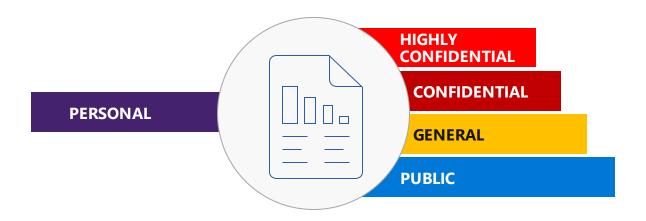
Encrypt your sensitive data and define usage rights or add visual markings when needed.

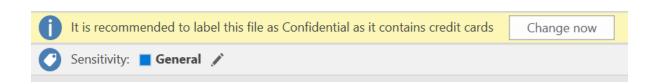


Monitoring

Use detailed tracking and reporting to see what's happening with your shared data and maintain control over it.

Classification and labeling





Automatic classification

Policies can be set by IT Admins for automatically applying classification and protection to data.

Recommended classification

Based on the content you're working on, you can be prompted with suggested classification.

Manual reclassification

You can override a classification and optionally be required to provide a justification.

User-specified classification

Users can choose to apply a sensitivity label to the email or file they are working on with a single click.

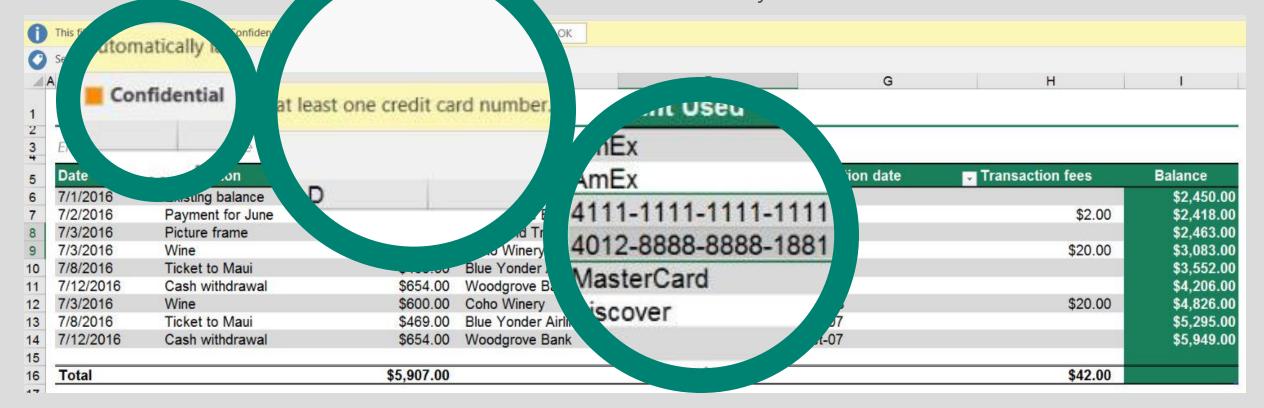
Classification and labeling

Discover personal data and apply persistent labels

Labels are persistent and readable by other systems e.g. DLP engine

Labels are metadata written to data

Sensitive data is automatically detected



Monitoring

Distribution visibility

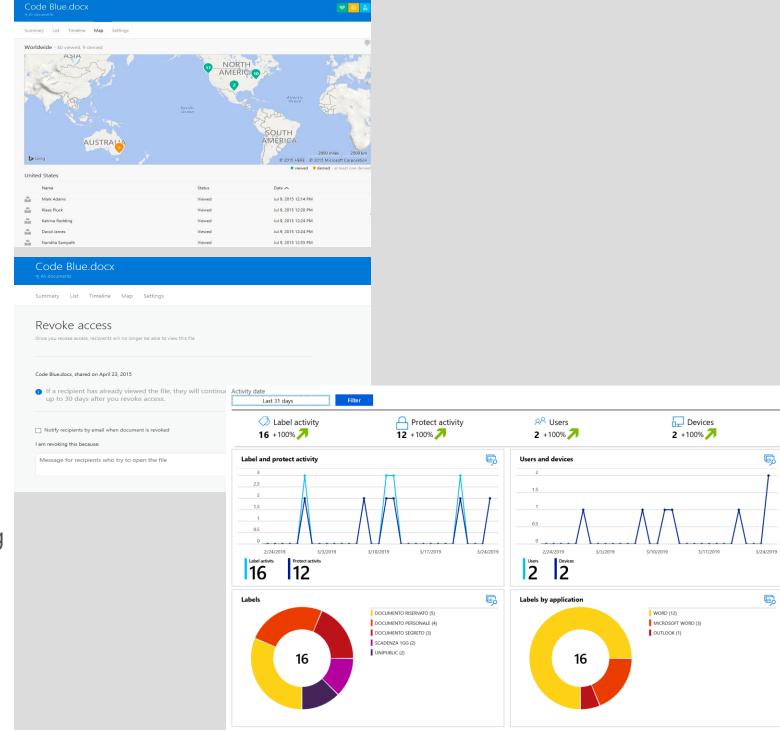
Analyze the flow of personal and sensitive data and detect risky behaviors.

Access logging

Track who is accessing documents and from where.

Access revocation

Prevent data leakage or misuse by changing or revoking document access remotely.



Stay in control with MCAS Microsoft Cloud App Security

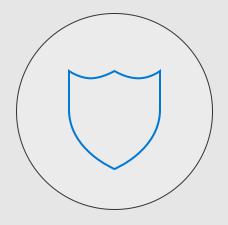
Cloud App Security

Deep visibility and granular controls into cloud app usage



Cloud discovery

Discover cloud apps used in your organization, get a risk assessment and alerts on risky usage.



Data visibility

Gain deep visibility into where data travels by investigating all activities, files and accounts for managed apps.



Data control

Monitor and protect personal and sensitive data stored in cloud apps using granular policies.

Cloud discovery

Discovery of cloud apps and data

Discover 13K+ cloud apps in use across your networks and sensitive data they store.

Cloud app risk assessment

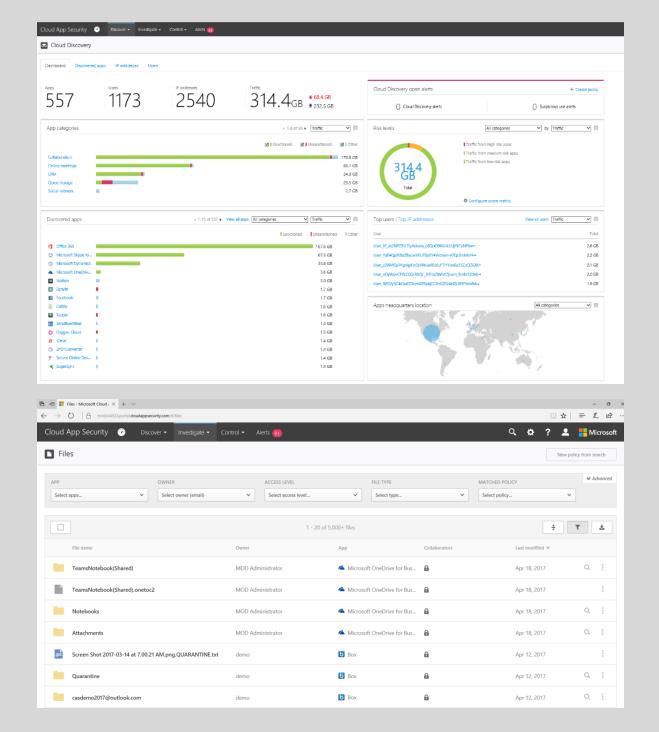
Assess risk cloud apps based on ~60 security and compliance risk factors.

On-going analytics

Get anomalous usage alerts, new app and trending apps alerts.

Log anonymization

Protect your employees' privacy while discovering cloud apps in your environment.



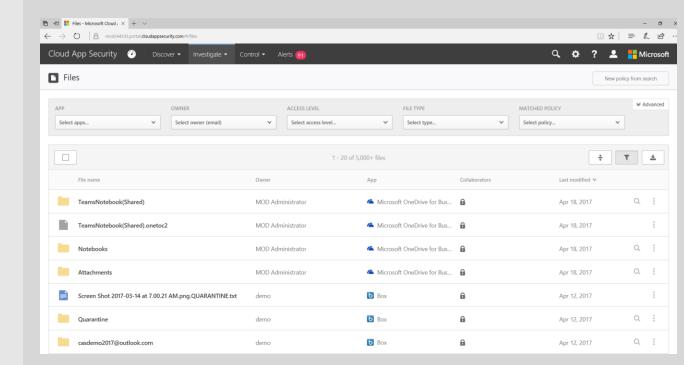
Data visibility

Advanced incident investigation tools

Investigate on users, file, activities, locations and managed apps, quantify exposure and risk.

Cloud data visibility

Compare classification labels against how that data is being shared to identify risk.



Data control

Granular Data loss prevention (DLP) policies

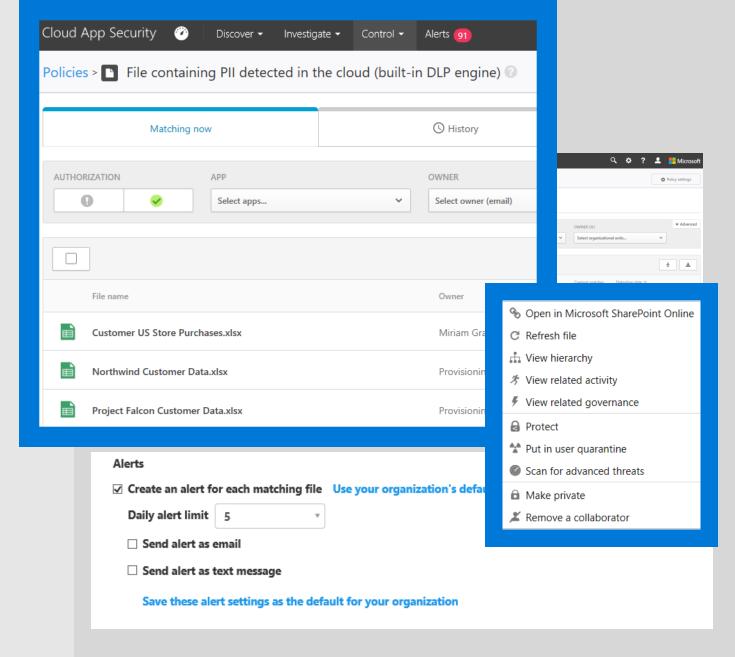
Set granular policies to control data in the cloud—either automated or based on file label—using out-of-the-box policies or you can customize your own.

Policy enforcement

Identify policy violations, enforce actions such as quarantine and permissions removal.

Revoke access for 3rd party apps

Detect and manage 3rd party app access.



Threat detection

Insight into potential breaches

Identify anomalies in your Office 365 environment which may be indicative of a breach.

Assess your risk

Leverage behavioral analytics to assess risk.

Leverage Microsoft's threat intelligence

Identify known attack pattern activities originating from risky sources leveraging Microsoft's threat intelligence.



Threat detection

Anomaly alert

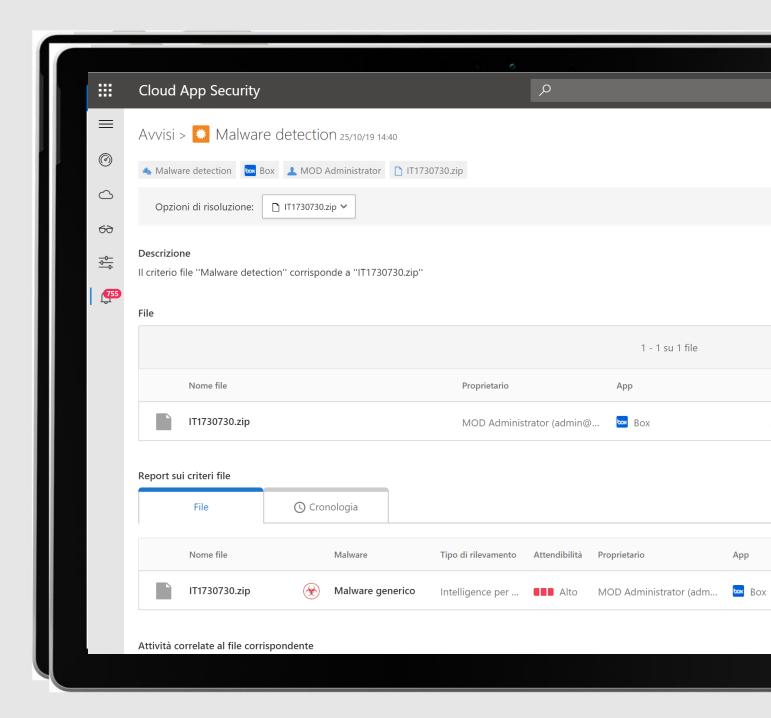
UEBA capabilities cross platform and application

Sandbox

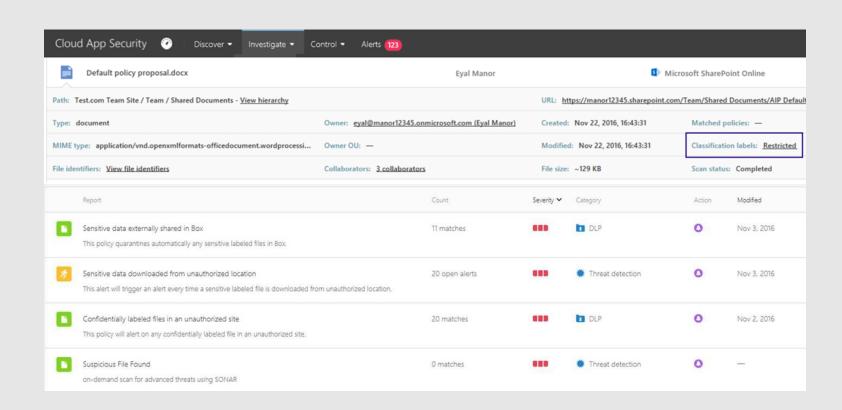
0 day attack protection

WDATP Integration

Every endpoint collaborate to enhance security



Cloud App Security and Azure Information Protection integration



Increased visibility

Cloud App Security reads labels set by AIP to give admins visibility into sharing of sensitive files.

Improved control

Admins can set policies for controlling sharing of sensitive files and also get alerted if the policies are violated.

laaS, PaaS and SaaS security posture

Insight into potential breaches

Identify anomalies in your Office 365 environment which may be indicative of a breach.

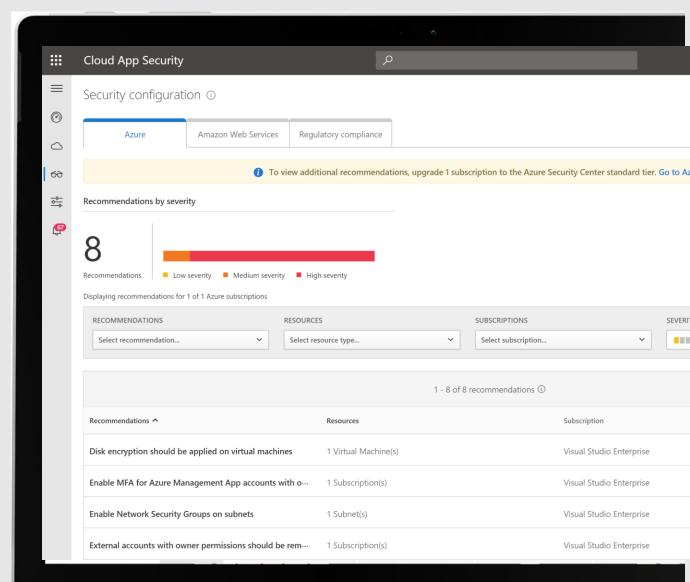
Assess your risk

Leverage behavioral analytics to assess risk.

Leverage Microsoft's threat

intelligence

Identify known attack pattern activities originating from risky sources leveraging Microsoft's threat intelligence.

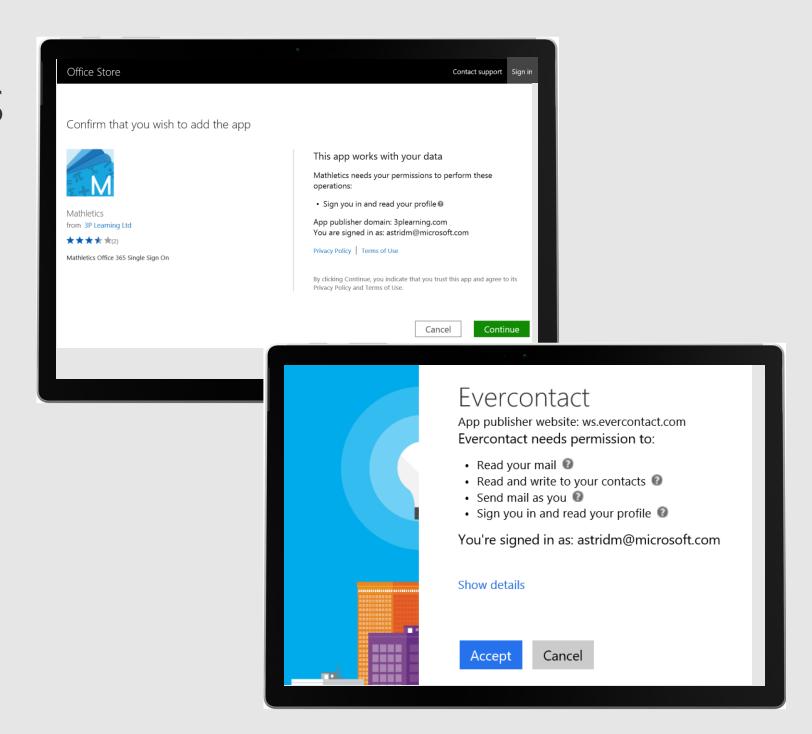


App permissions

Users grant apps permission to SaaS platform.

IT has limited visibility.

Revoke app permissions across organization.

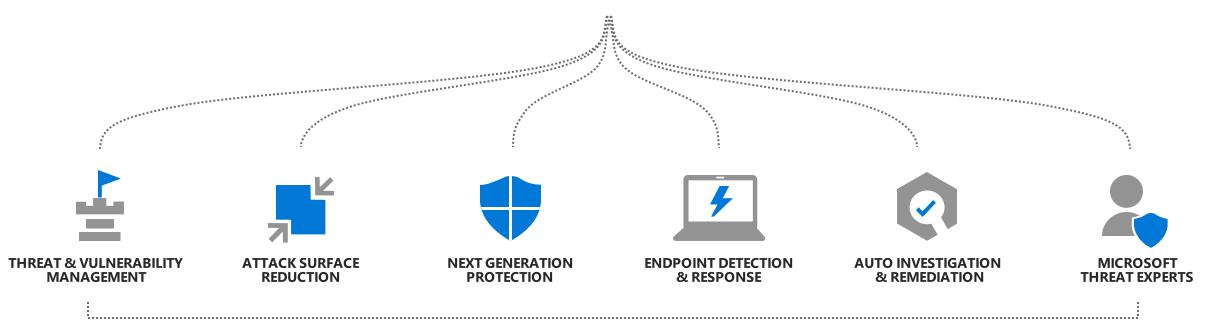


Protecting an endpoint is was hard.





Built-in. Cloud-powered.



CENTRALIZED CONFIGURATION AND ADMINISTRATION, APIS

Microsoft Defender ATP next generation protection engines



Metadata-based ML

Stops new threats quickly by analyzing metadata



Behavior-based ML

Identifies new threats with process trees and suspicious behavior sequences



AMSI-paired ML

Detects fileless and inmemory attacks using paired client and cloud ML models



File classification ML

Detects new malware by running multi-class, deep neural network classifiers



Detonation-based ML

Catches new malware by detonating unknown files



Reputation ML

Catches threats with bad reputation, whether direct or by association



Smart rules

Blocks threats using expert-written rules







ML

Spots new and unknown threats using client-based ML models



Behavior monitoring

Identifies malicious behavior, including suspicious runtime sequence



Memory scanning

Detects malicious code running in memory



AMSI integration

Detects fileless and inmemory attacks



Heuristics

Catches malware variants or new strains with similar characteristics



Emulation

Evaluates files based on how they would behave when run



Network monitoring

Catches malicious network activities

Microsoft is a strong security Company



Microsoft Secure

Ensuring security to enable your digital transformation through a comprehensive platform, unique intelligence, and broad partnerships



