





#POWERCON2022 Microsoft Defender for Business: la soluzione

antimalware Microsoft per la PMI

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Agenda

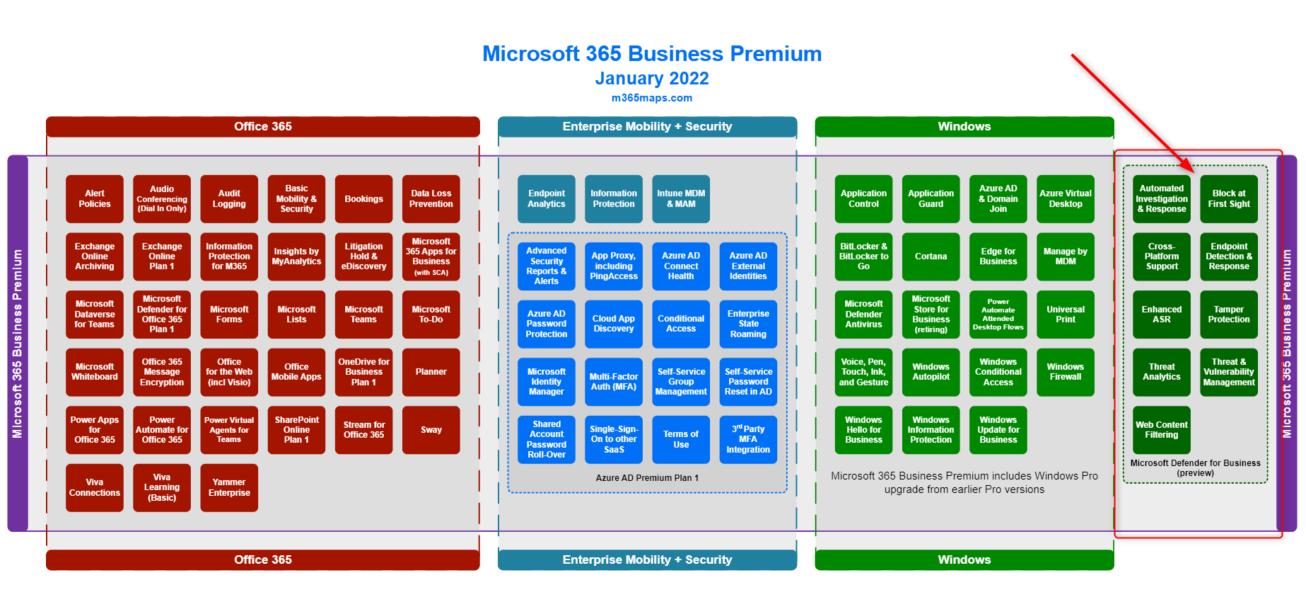
• Microsoft Defender for Business overview

Figure 1: Magic Quadrant for Endpoint Protection Platforms



Source: Gartner (May 2021)

Microsoft 365 Premium License



Microsoft Defender for Business

Microsoft Defender for Business (preview)

Automated Investigation & Response

Block at First Sight

Cross-Platform Support Endpoint
Detection &
Response

Enhanced ASR

Tamper Protection

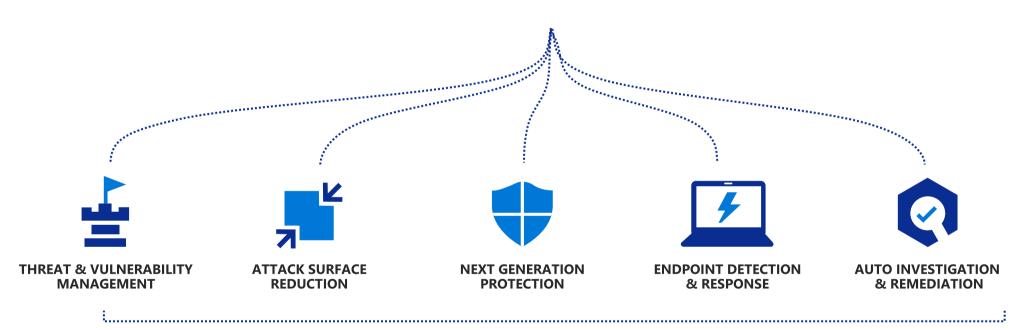
Threat Analytics

Threat & Vulnerability Management

Web Content Filtering



Threats are no match.





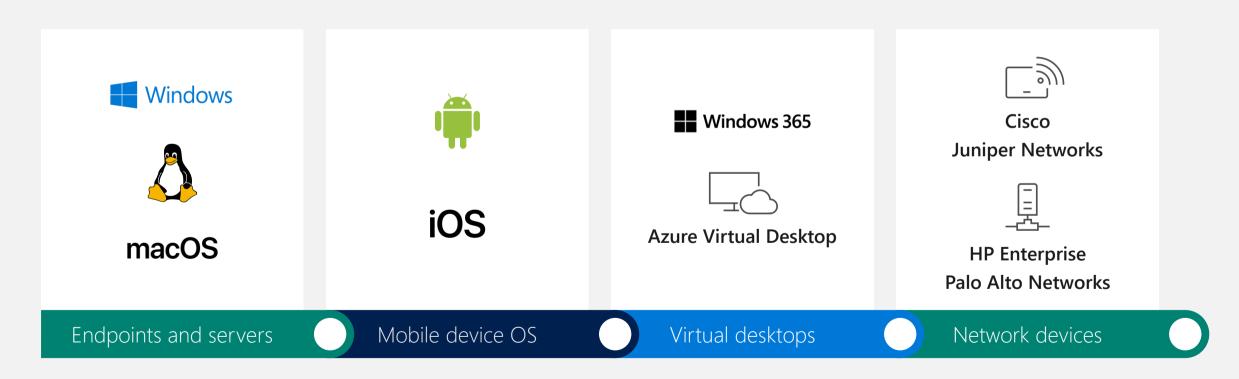
CENTRALIZED CONFIGURATION AND ADMINISTRATION



APIS AND INTEGRATION

Delivering endpoint security across platforms



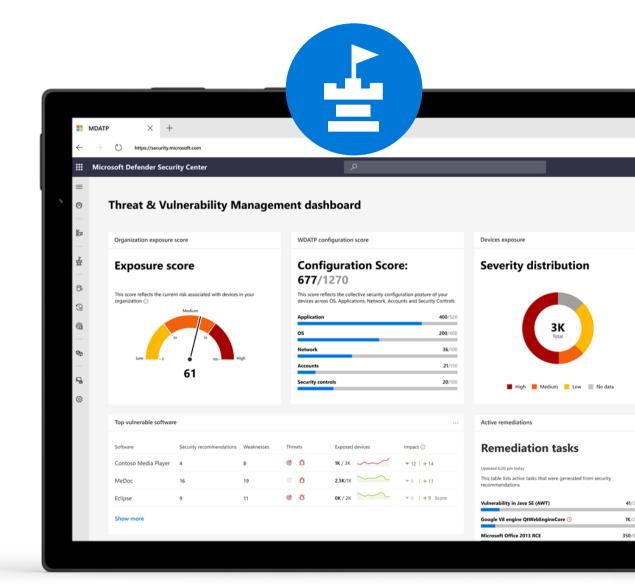


Threat & Vulnerability Management

Threat & Vulnerability Management

A risk-based approach to mature your vulnerability management program

- 1 Continuous real-time discovery
- **2** ↑ Context-aware prioritization
- Built-in end-to-end remediation process





Hardest to discover

Continuous Discovery

Extensive vulnerability assessment across the entire stack

Easiest to exploit	
	 Application extension vulnerabilities Application-specific vulnerabilities that relate to component within the application. For example: Grammarly Chrome Extension (CVE-2018-6654)
	Application run-time libraries vulnerabilities Reside in a run-time libraries which is loaded by an application (dependency). For example: Electron JS framework vulnerability (CVE-2018-1000136)
	Application vulnerabilities (1st and 3rd party) Discovered and exploited on a daily basis. For example: 7-zip code execution (CVE-2018-10115)
	OS kernel vulnerabilities Becoming more and more popular in recent years due to OS exploit mitigation controls. For example: Win32 elevation of privilege (CVE-2018-8233)
	Hardware vulnerabilities (firmware) Extremely hard to exploit, but can affect the root trust of the system. For example: Spectre/Meltdown vulnerabilities (CVE-2017-5715)



Continuous Discovery

Broad secure configuration assessment



Operation system misconfiguration

File Share Analysis Security Stack configuration OS baseline



Application misconfiguration

Least-privilege principle Client/Server/Web application analysis SSL/TLS Certificate assessment



Account misconfiguration

Password Policy Permission Analysis



Network misconfiguration

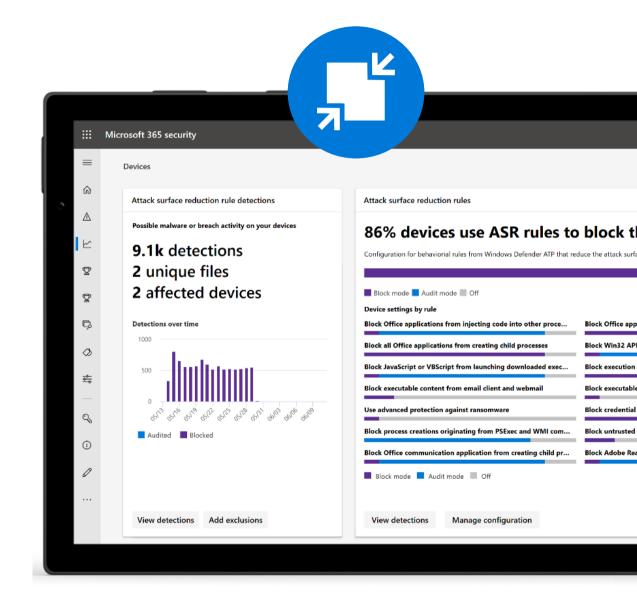
Open ports analysis Network services analysis

Attack Surface Reduction

Attack Surface Reduction

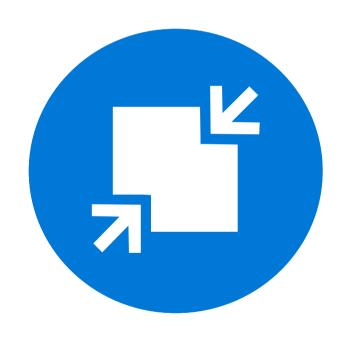
Eliminate risks by reducing the surface area of attack

- System hardening without disruption
- Customization that fits your organization
- ♥ Visualize the impact and simply turn it on



Attack Surface Reduction

Resist attacks and exploitations



HW based isolation

Application control

Exploit protection

Network protection

Controlled folder access

Device control

Web protection

Ransomware protection

Isolate access to untrusted sites

Isolate access to untrusted Office files

Host intrusion prevention

Exploit mitigation

Ransomware protection for your files

Block traffic to low reputation destinations

Protect your legacy applications

Only allow trusted applications to run

Attack Surface Reduction (ASR) Rules



Minimize the attack surface

Signature-less, control entry vectors, based on cloud intelligence. Attack surface reduction (ASR) controls, such as behavior of Office macros.

Productivity apps rules

- Block Office apps from creating executable content
- Block Office apps from creating child processes
- Block Office apps from injecting code into other processes
- Block Win32 API calls from Office macros
- Block Adobe Reader from creating child processes

Email rule

- Block executable content from email client and webmail
- Block only Office communication applications from creating child processes

Script rules

- Block obfuscated JS/VBS/PS/macro code
- Block JS/VBS from launching downloaded executable content

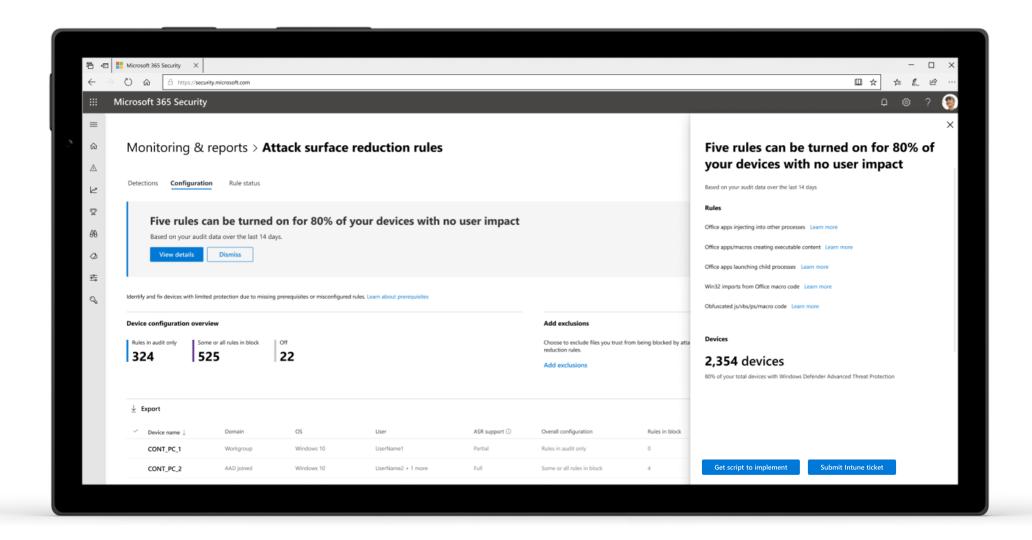
Polymorphic threats

- Block executable files from running unless they meet a prevalence (1000 machines), age (24hrs), or trusted list criteria
- · Block untrusted and unsigned processes that run from USB
- Use advanced protection against ransomware

Lateral movement & credential theft

- Block process creations originating from PSExec and WMI commands
- Block credential stealing from the Windows local security authority subsystem (Isass.exe)
- Block persistence through WMI event subscription

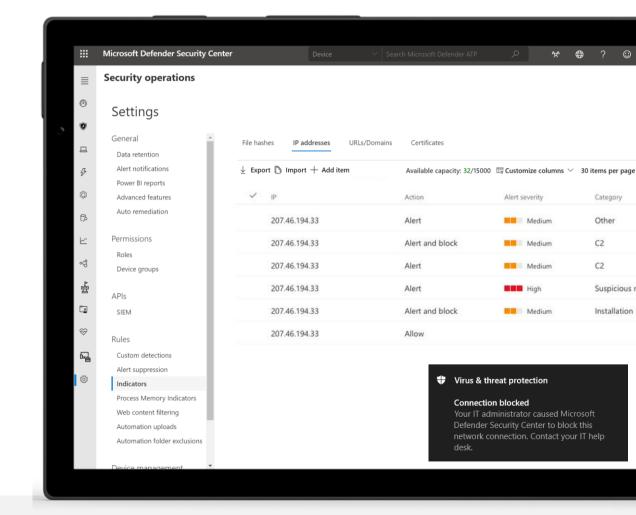
Easy button: turn on block



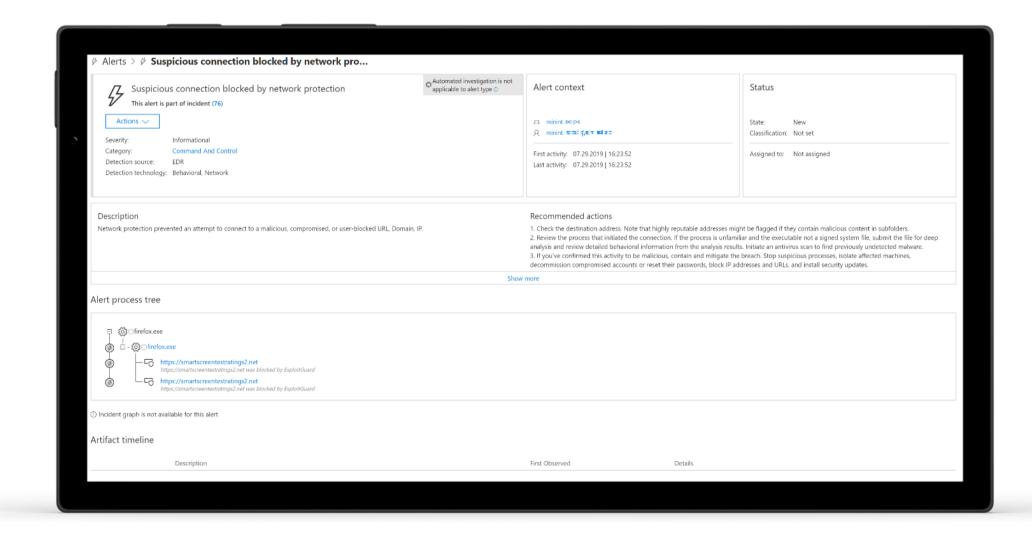
Network protection

Allow, audit and block

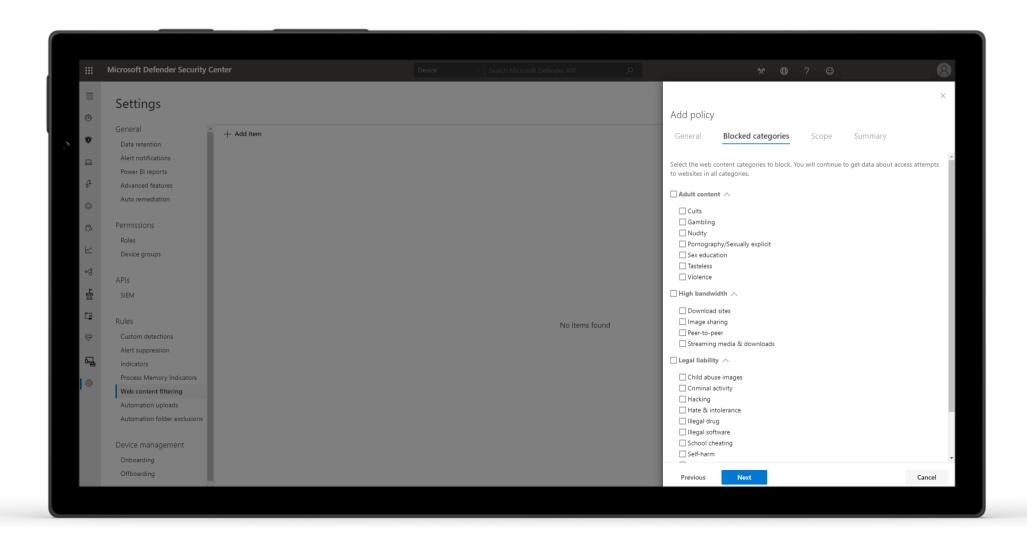
- → Perimeter-less network protection ("SmartScreen in the box") preventing users from accessing malicious or suspicious network destinations, using any app on the device and not just Microsoft Edge.
- → Customers can add their own TI in additional to trusting our rich reputation database.



Web Threat Alerts



Web content filtering configuration



Next generation protection

Key customer pain points



Solutions that depend on regular updates can not protect against the 7 million unique threats that emerge per hour



The game has shifted from blocking recognizable executable files to malware that uses sophisticated exploit techniques (e.g. fileless)



While Attack Surface Reduction can dramatically increase your security posture you still need detection for the surfaces that remain



We live in a world of hyper polymorphic threats with 5 billion unique instances per month

Next Generation Protection

Blocks and tackles sophisticated threats and malware



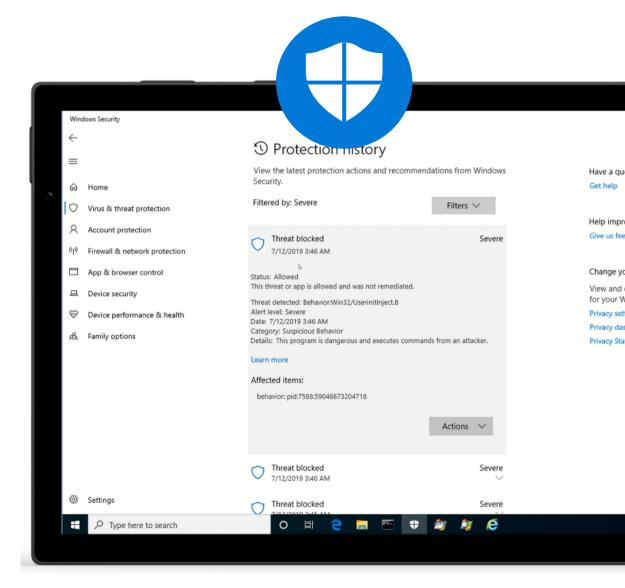
Behavioral based real-time protection



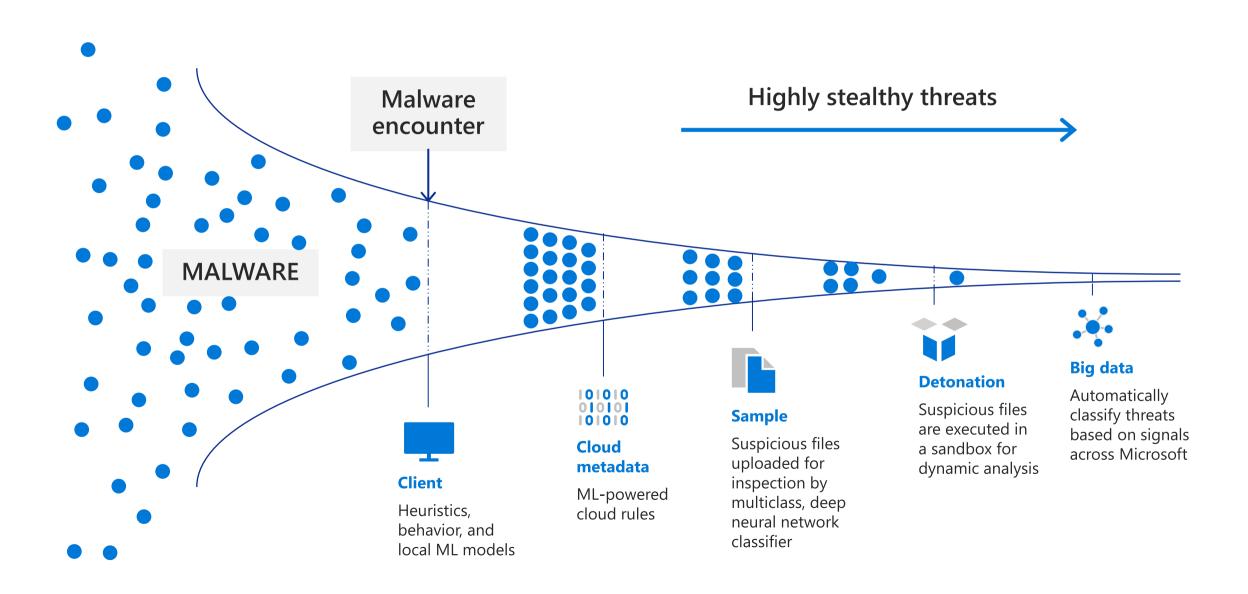
Blocks file-based and fileless malware



Stops malicious activity from trusted and untrusted applications



Microsoft Defender for Business's NGP protection pipeline



Endpoint detection and response

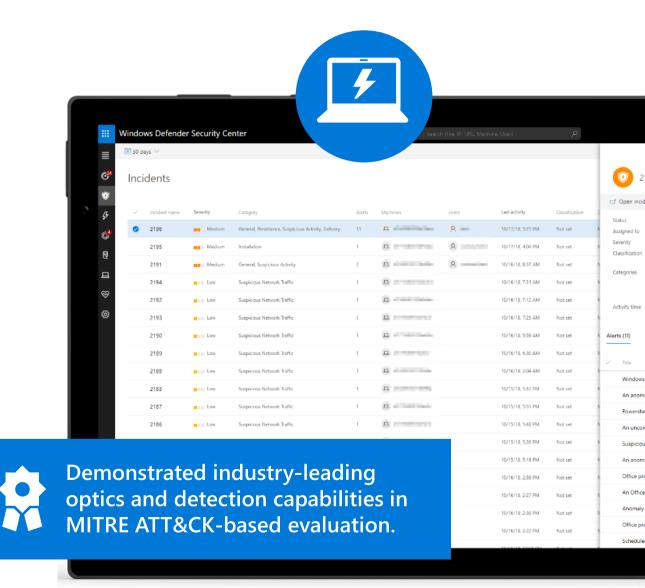
Endpoint Detection & Response

Detect and investigate advanced persistent attacks



Investigation & hunting over 6 months of data

Rich set of response actions



Incident

Narrates the end-to-end attack story

Reconstructing the story

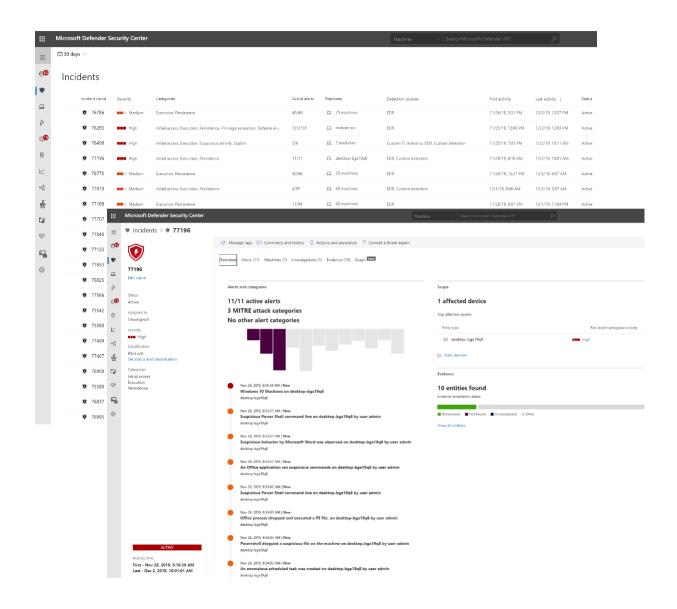
The broader attack story is better described when relevant alerts and related entities are brought together.

Incident scope

Analysts receive better perspective on the purview of complex threats containing multiple entities.

Higher fidelity, lower noise

Effectively reduces the load and effort required to investigate and respond to attacks.



Automated investigation and response

Key customer pain points



More threats, more alerts leads to analyst fatigue



Alert investigation is time-consuming



Expertise is expensive

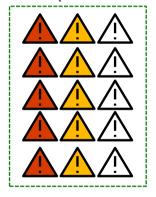


Manual remediation requires time



Analysts overwhelmed by manual alert investigation & remediation

Alert queue







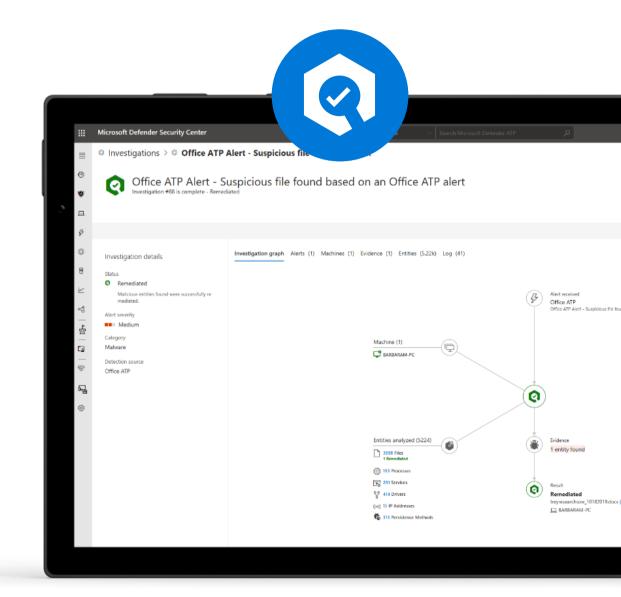
Analyst 2



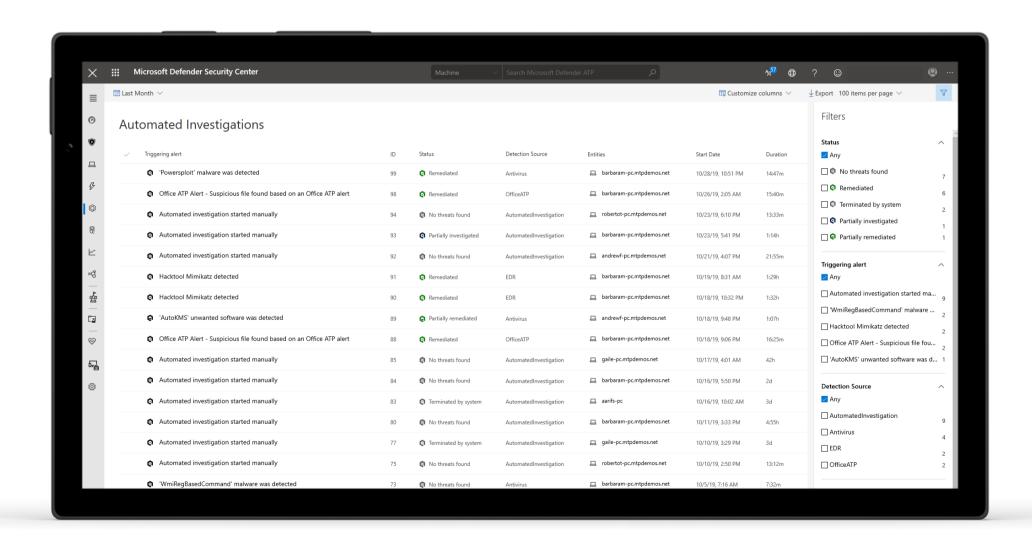
Auto Investigation & Remediation

Automatically investigates alerts and remediates complex threats in minutes

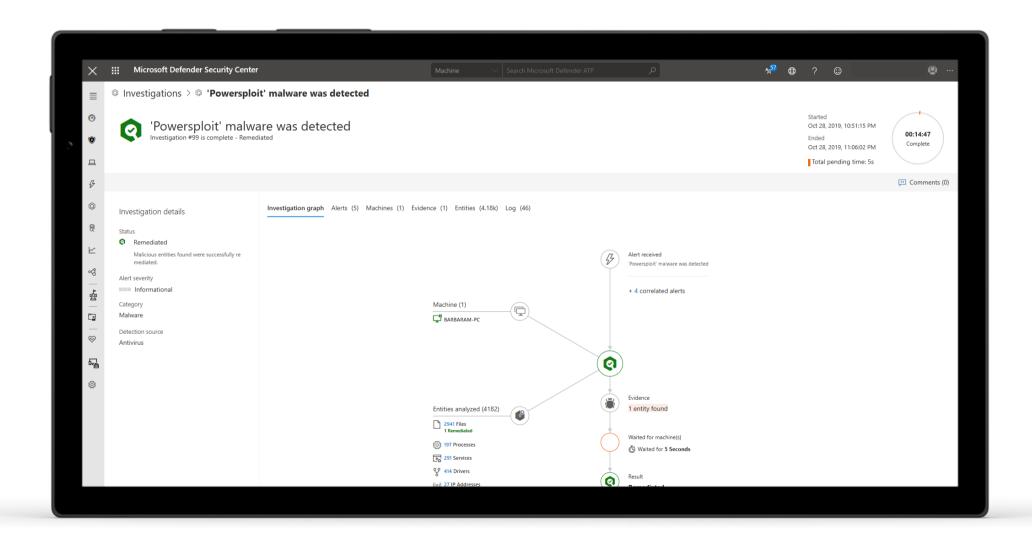
- Mimics the ideal steps analysts would take
- Tackles file or memory-based attacks
- Works 24x7, with unlimited capacity



Auto investigation queue



Investigation graph

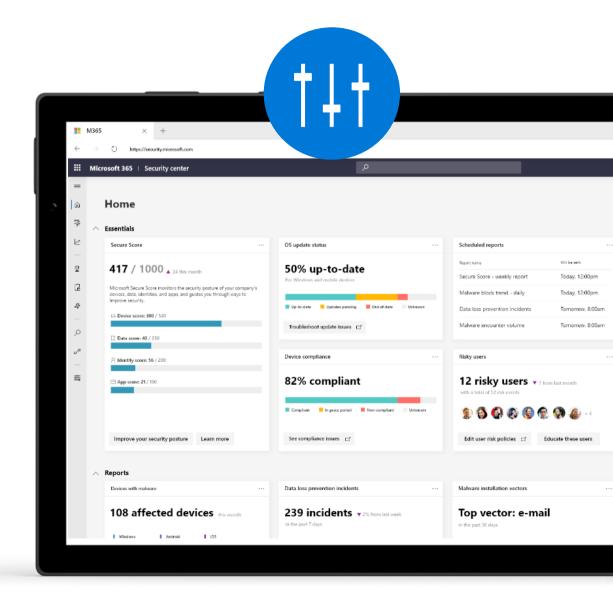


Centralized Administration & Configuration

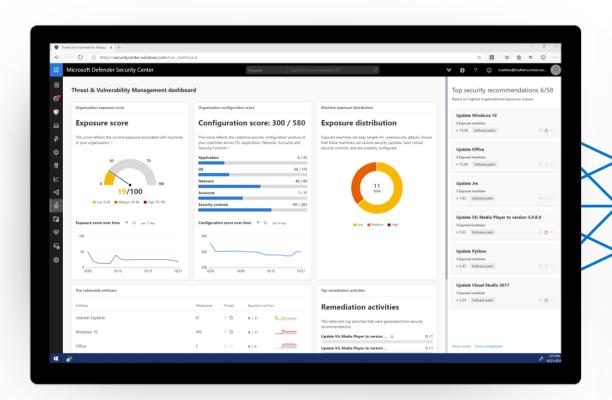
Security Management

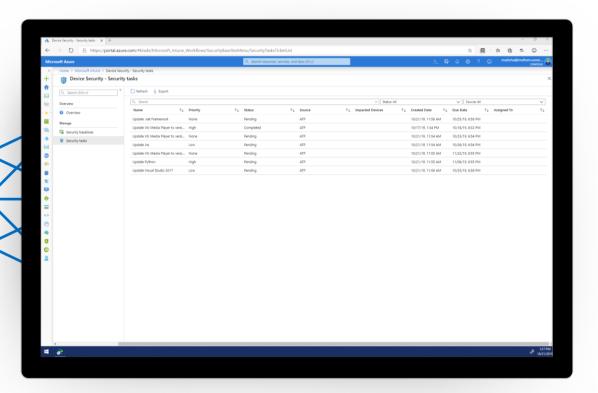
Assess, configure and respond to changes in your environment

- Centrally assess & configure your security
- Variety of reports and dashboards for detailed monitoring and visibility
- Seamless integration between policy assessment and policy enforcement



Seamless integration





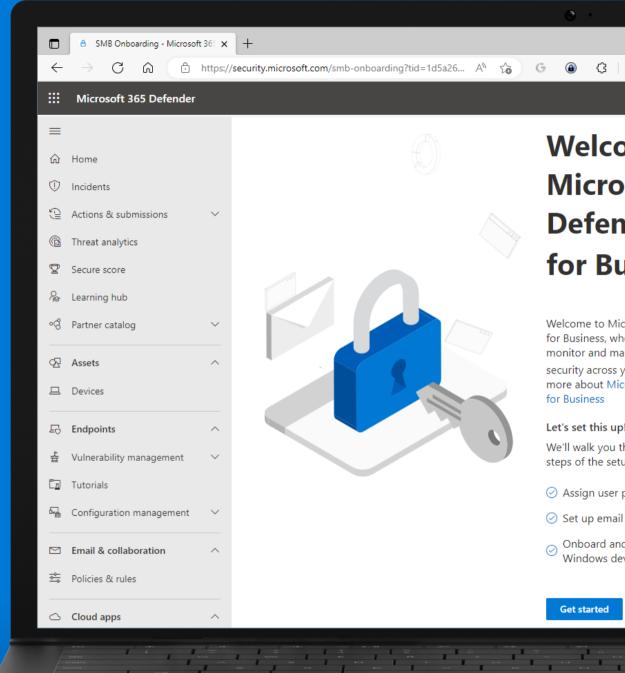
Microsoft Defender for Endpoint

Policy Assessment

Microsoft Intune

Policy Enforcement

DEMO



Elevate your endpoint security with Microsoft Defender for Business (cloudguides.com)

Links

- What is Microsoft Defender for Business? | Microsoft Learn
- Microsoft Defender for Business: la soluzione antimalware Microsoft per la PMI
 ICT Power
- Compare Microsoft endpoint security plans | Microsoft Learn
- Compare security features in Microsoft 365 plans for small and medium-sized businesses | Microsoft Learn
- Microsoft Defender for Endpoint demonstration scenarios | Microsoft Learn







Grazie



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