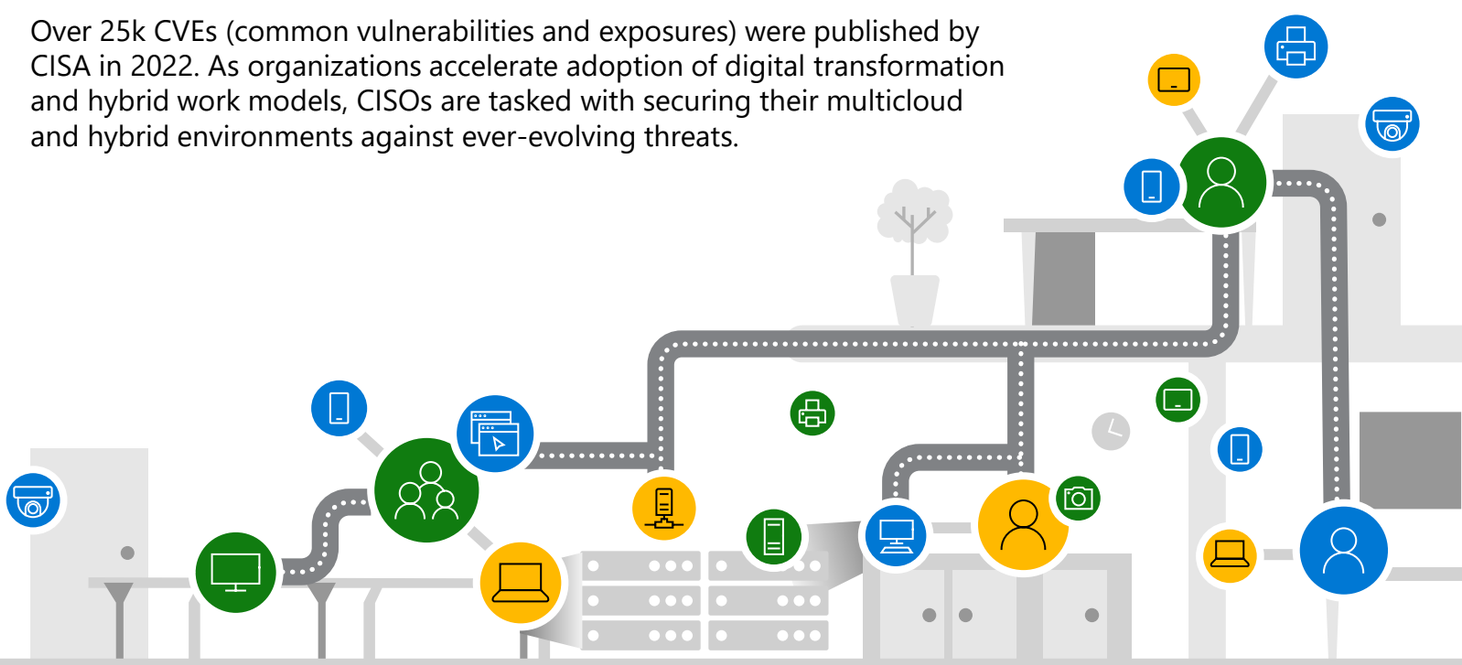
Microsoft Security

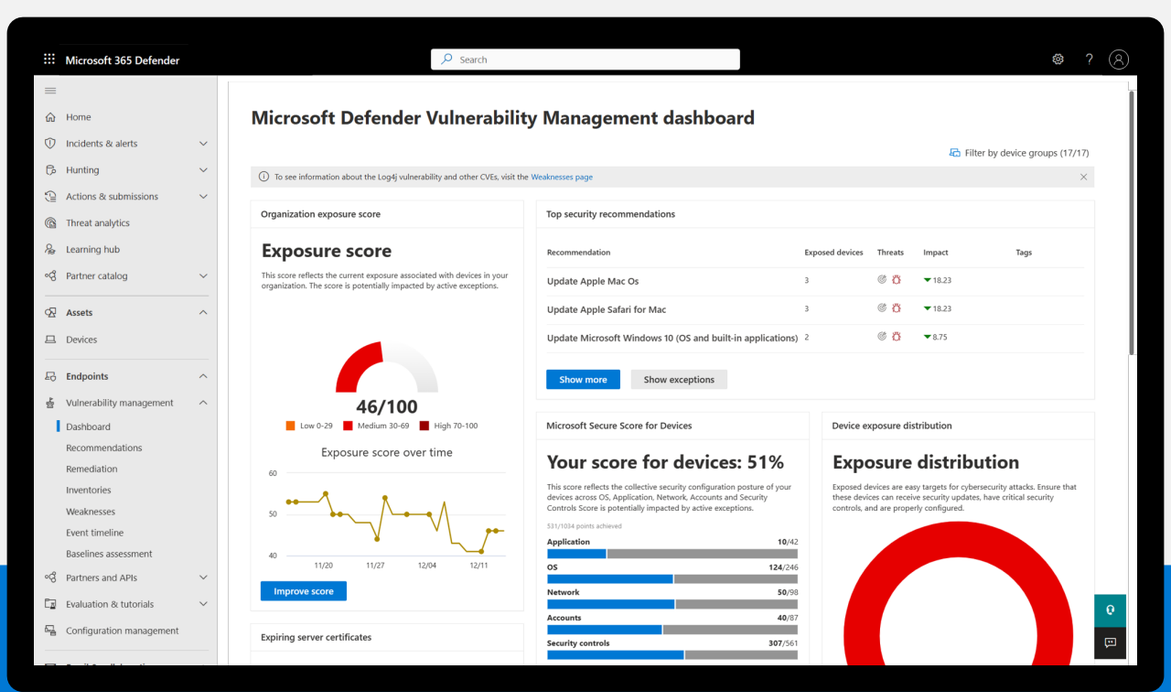
Microsoft Defender Vulnerability Management

Reduce cyber risk with continuous asset visibility, risk-based prioritization, and built-in remediation tools to address the most critical vulnerabilities.

Assess and remediate vulnerabilities across your assets

Over 25k CVEs (common vulnerabilities and exposures) were published by CISA in 2022. As organizations accelerate adoption of digital transformation and hybrid work models, CISOs are tasked with securing their multicloud and hybrid environments against ever-evolving threats.





Risk-based approach to vulnerability management

Proactively reducing your organization's exposure requires a comprehensive risk based vulnerability management solution so you can identify, assess, remediate, and track all your biggest vulnerabilities and misconfigurations across your most critical assets.

Continuous asset discovery and monitoring

Proactively prevent breaches with built-in and agentless scanners for continuous discovery and assessment.

- **Asset discovery with one less agent**
  Leverage Defender for Endpoint agent without the need to install additional dedicated scanners.
- **Real-time visibility**
  Identify and protect high value assets with business-critical applications, confidential data, or high-value users.
- **Exposure score**
  See the current state of your organization's exposure to threats and vulnerabilities, factoring weaknesses discovered, breach likelihood, device values, and relevant alerts.
- **Agentless scanning**
  Frictionless full visibility on posture issues across VMs, containers, and endpoints even when not connected to the corporate network.

Uncover risks and prioritize what matters

Vast assessments are available to uncover vulnerabilities and misconfigurations across endpoints and multicloud workloads. Prioritize the biggest vulnerabilities on your most critical assets using Microsoft's threat intelligence, breach likelihood predictions and business contexts.

- **Security baselines assessment**
  Get customized baseline assessments against industry security benchmarks and Microsoft benchmarks.
- **Digital certificate assessment**
  Identify certificates about to expire, detect potential vulnerabilities, and ensure compliance with regulatory guidelines and policy.
- **Hardware and firmware assessment**
  Full visibility into device manufacturer, processors and BIOs information to assess vulnerabilities and firmware risk.
- **Browser extensions assessment**
  Expand your asset coverage beyond devices and gain entity-level visibility into the various browser extensions installed across assets, permissions requested, and associated risks.
- **Authenticated scans for vulnerability assessment**
  Run scans on unmanaged devices by remotely targeting by IP ranges or hostnames to remotely access the devices.
- **Network shares assessment**
  Protect against misconfigurations used in the wild by attackers for lateral movement, reconnaissance, data exfiltration, and more with configuration assessments related to common weaknesses with Windows Shares.
- **Leverage Microsoft threat intelligence to prioritize vulnerabilities**
  See the list of common vulnerabilities and exposures (CVEs) in your organization and in the broader landscape, and view events that may impact your cyber risk.
- **Cloud security posture management**
  Remediate your most critical risk with advanced vulnerability management capabilities for multicloud servers and containers in Defender Cloud Security Posture Management.

Read more about these assessments and more here

Track and mitigate risks with ease

Bridge the gap between security and IT teams to seamlessly remediate vulnerabilities with robust contextual recommendations, built-in workflows, and application block capabilities to enable protection faster.

- **Comprehensive remediation information at your fingertips**
  Take the action-oriented recommendations and vulnerability context to initiate remediation.
- **Block vulnerable applications**
  Proactively reduce risks when taking remediation steps by blocking vulnerable versions of applications.
- **Seamlessly request remediations across workflows**
  Create a remediation task from a specific security recommendation and leverage one-click remediation requests via Intune.
- **Track and report on vulnerability management progress**
  Get a view that shows current statistics and vulnerable device trends over time. Access APIs with rich data for custom reporting on vulnerability management progress.

Vulnerability management for endpoints and cloud workloads

	Feature	Defender Vulnerability Management Standalone	Defender for Endpoint P2 *or* Defender for Servers P1	Defender for Endpoint P2 + Defender Vulnerability Management Add On or Defender for Servers P2
Core capabilities	Device inventory	✓	✓	✓
	Vulnerability assessment	✓	✓	✓
	Configuration assessment	✓	✓	✓
	Risk based prioritization	✓	✓	✓
	Remediation tracking	✓	✓	✓
	Continuous monitoring	✓	✓	✓
	Software inventory	✓	✓	✓
	Software usages insights	✓	✓	✓
Premium capabilities	Security baselines assessment	✓		✓
	Block vulnerable applications	✓		✓
	Browser extensions assessment	✓		✓
	Digital certificate assessment	✓		✓
	Network share analysis	✓		✓
	Hardware and firmware assessment	✓		✓
	Authenticated scan for Windows	✓		✓

Vulnerability Management capabilities for multicloud servers and containers included in Defender Cloud Security Posture Management in Microsoft Defender for Cloud at no additional cost:

- Vulnerability management is integral part of both VMs and servers, but also end-to-end cloud security posture management
- Use built-in and agentless scanners to discover vulnerabilities and misconfigurations in near real time
- Reduce cyber risk with vulnerability and misconfiguration assessments, software inventories, and usage insights
- Quickly prioritize your biggest risks in a single view with integrated CVE details
- Seamlessly remediate your biggest vulnerabilities with built-in workflows and remediation tracking

Ready to learn more?

Defender Vulnerability Management

Learn more and get started »

Implementation and technical guidance »

Defender for Servers

Learn more »