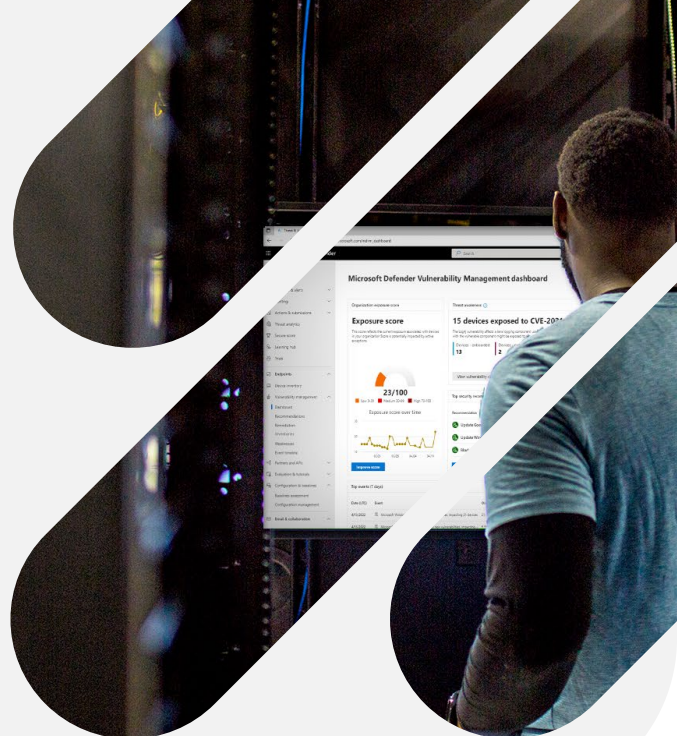


# Microsoft Defender Vulnerability Management

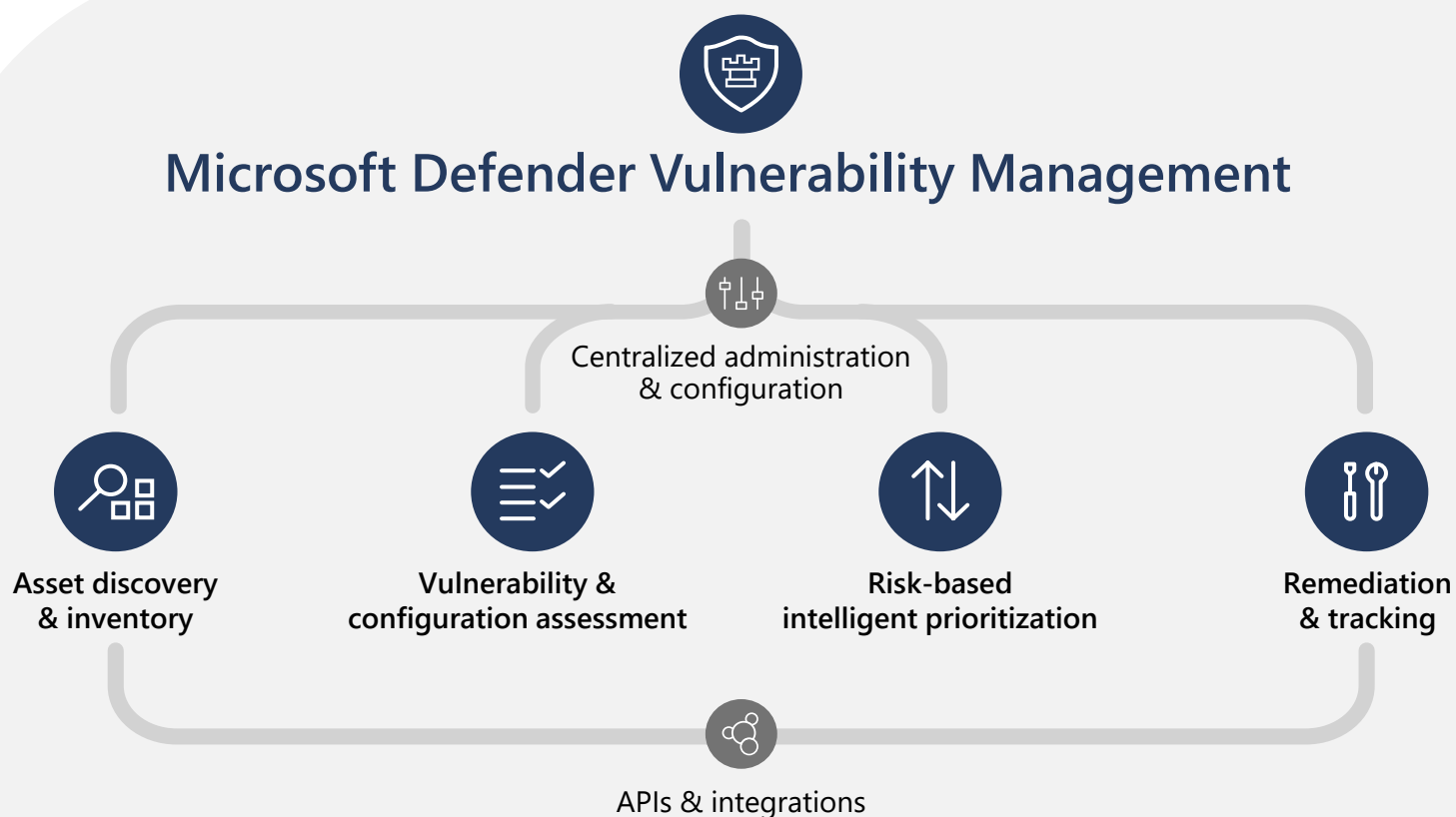
Reduce cyber risk with continuous vulnerability discovery and assessment, risk-based prioritization, and remediation.



## Assess and remediate vulnerabilities across your assets

As organizations accelerate adoption of digital transformation and hybrid work models, CISOs are tasked with securing their environments against ever-evolving threats. Last year alone saw 21,957 published vulnerabilities, the highest number to date and 3x higher than in 2016 ([NIST](#)).

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.



**Microsoft Defender Vulnerability Management** provides continuous asset discovery and inventory in a consolidated view, intelligent assessments leveraging Microsoft threat intelligence, risk-based prioritization, and built-in remediation and mitigation flows.

### Key capabilities include:

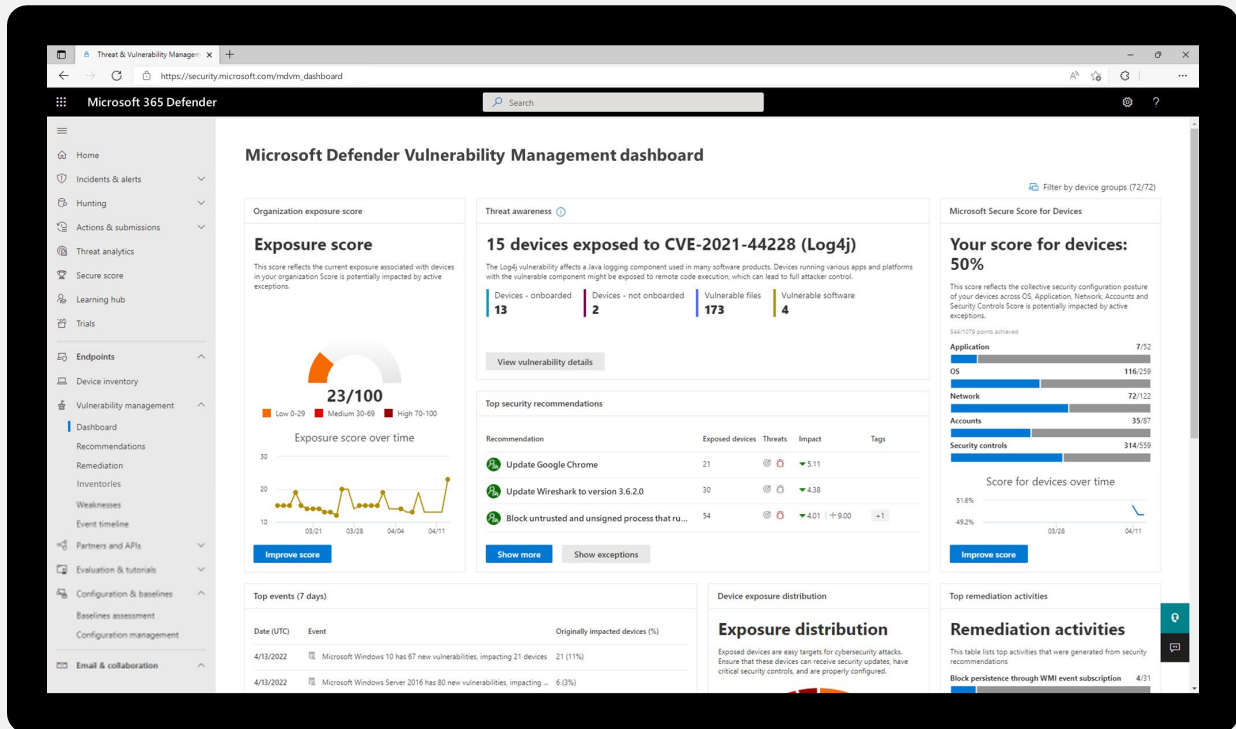
- **Security baselines assessment:** continuously monitor posture against customizable benchmarks and industry standards (CIS, NIST, MS)
- Intelligent **vulnerability assessment tools** across devices, software applications, browser extensions, digital certificates, and network shares
- Mitigate risk during remediation planning with **blocking vulnerable applications** and warning users with custom messages
- And more

# Microsoft Defender Vulnerability Management

Learn how our discovery tools, asset inventories, threat intelligence, and built-in workflows to help security teams reduce risk.



## Defender Vulnerability Management dashboard



## Proactively reduce risk to your organization

### Know what to protect in a single view

Built-in and agentless scanners continuously monitor and detect risk even when devices aren't connected to the corporate network. Expanded asset coverage consolidates software applications, digital certificates, network shares, and browser extensions into a single inventory view.

### Remediate and track progress across teams

Seamlessly plan remediations with built-in workflows and mitigate risk with blocking vulnerable applications for specific device groups. Bridge the gap between teams with real-time remediation tracking and posture measurement.

### Get advanced vulnerability assessment tools

Understand your risk exposure with the relevant threat and business contexts. Create customizable baseline profiles to measure risk compliance against established benchmarks (CIS, STIG, MS).

### Focus on what's important

View risk-based, prioritized recommendations in a single view. Use threat intelligence insights including breach likelihood predictions, event timelines, and vulnerable device reports to prioritize the biggest vulnerabilities and misconfigurations across your most critical assets.





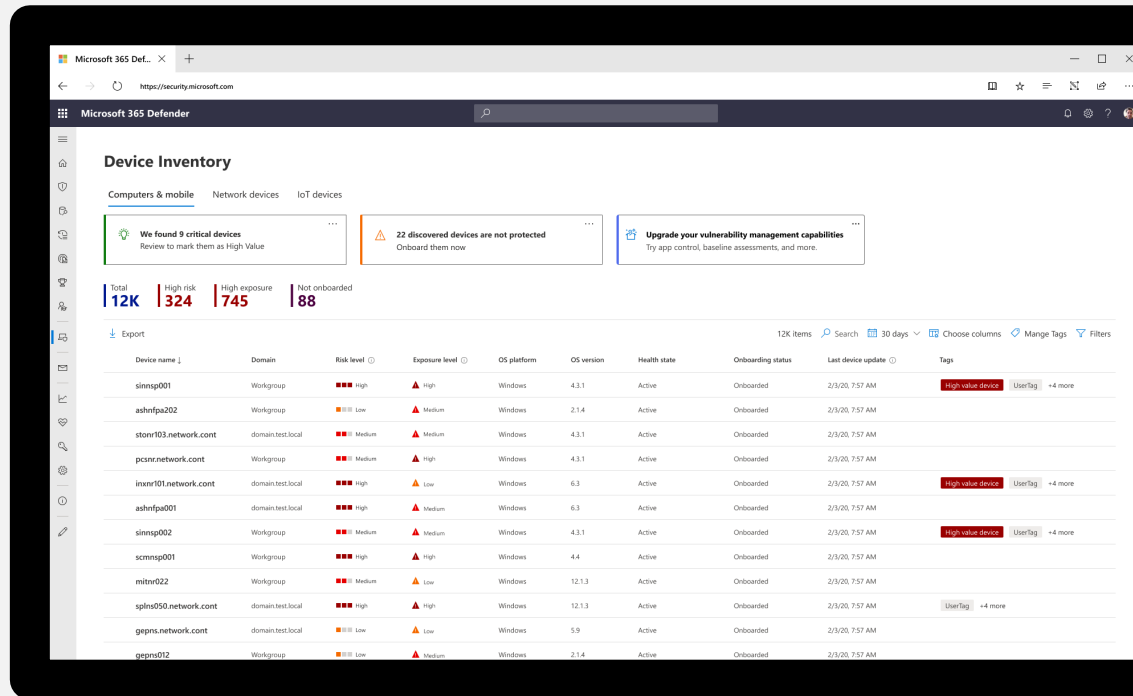
# Know what to protect in a single view

Discover and assess all your organization's assets in a single view. Eliminate periodic scans with continuous monitoring and alerts. Detect risk even when devices are not connected to the corporate network.



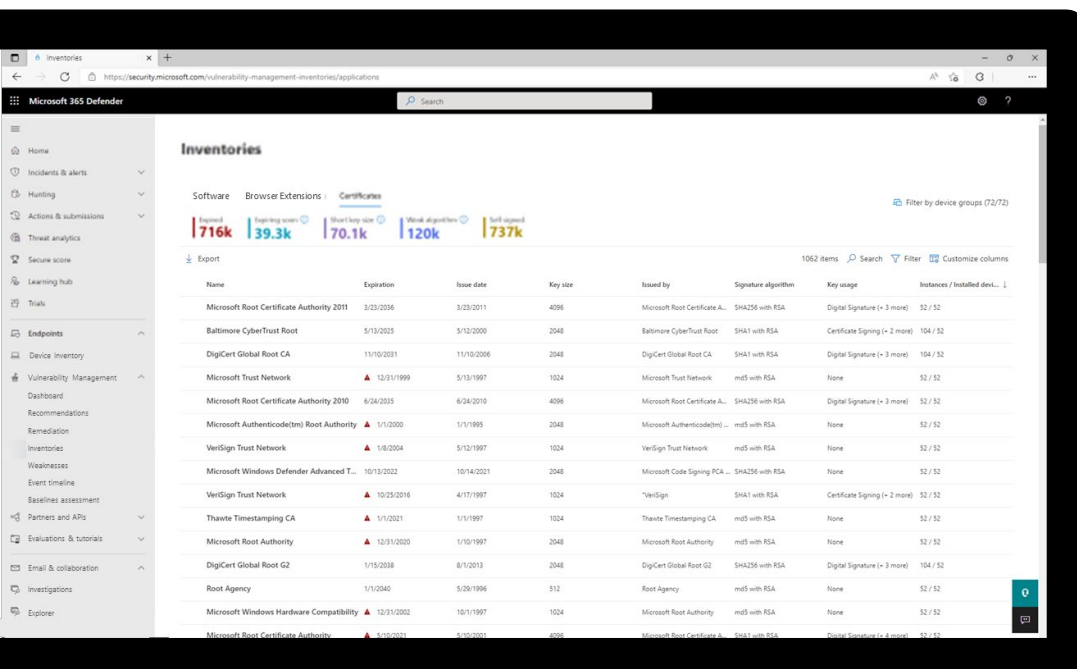
## Asset discovery and inventory

Continuously detect risk across managed and unmanaged endpoints with built-in modules and agentless scanners, even when devices aren't connected to the corporate network. View entity-level risk assessment data to focus on your most critical assets.



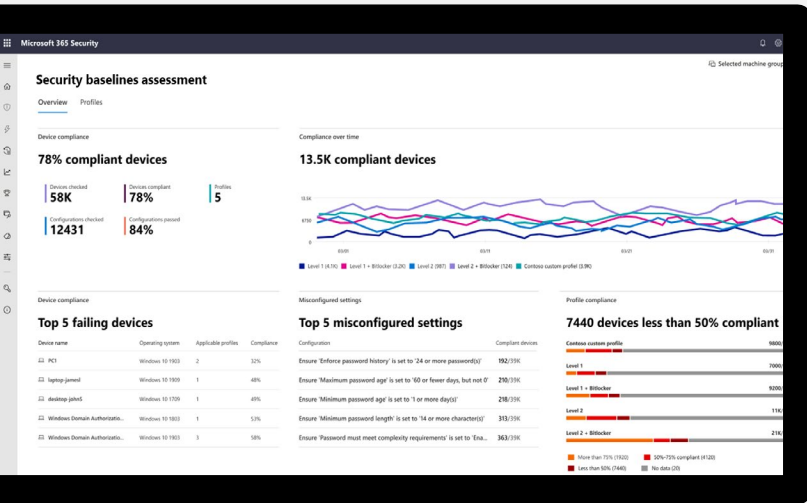
## Continuous vulnerability and misconfiguration assessments

Access consolidated inventories across software applications, digital certificates, browser extensions, and network shares. View information on extension permissions and associated risk levels, identify certificates before they expire, detect potential vulnerabilities due to weak signature algorithms, and assess misconfigurations in internal network shares.



# Get advanced vulnerability assessment tools

Understand your cyberexposure and relevant threat and business contexts in one place. Proactively prevent breaches with risk assessments leveraging industry standards, including CIS and STIG.



## Security baselines assessments

Instead of relying on compliance scans, continuously monitor security baseline compliance and identify changes in real-time. Set up customizable profiles and leverage Center for Internet Security (CIS), Security Technical Implementation Guides (STIG), and Microsoft security benchmarks.



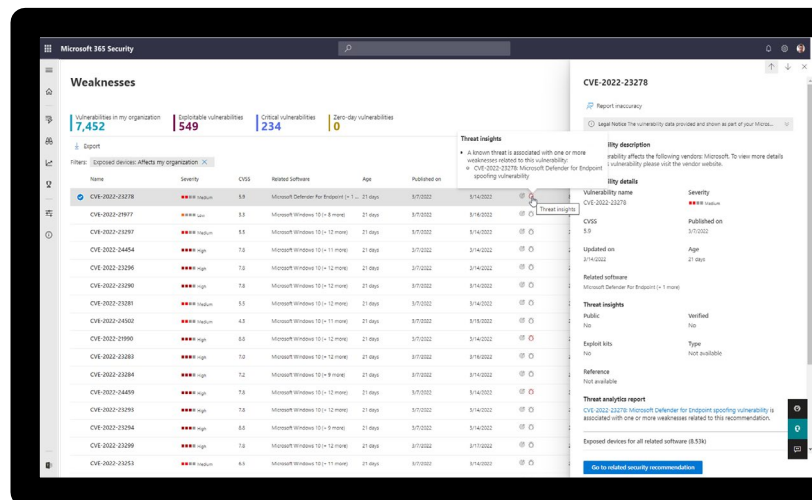
## Prioritize what's important

Quickly remediate the biggest vulnerabilities on your most critical assets. Prioritize risks using Microsoft threat intelligence, likelihood predictions, event timelines, and device reports.



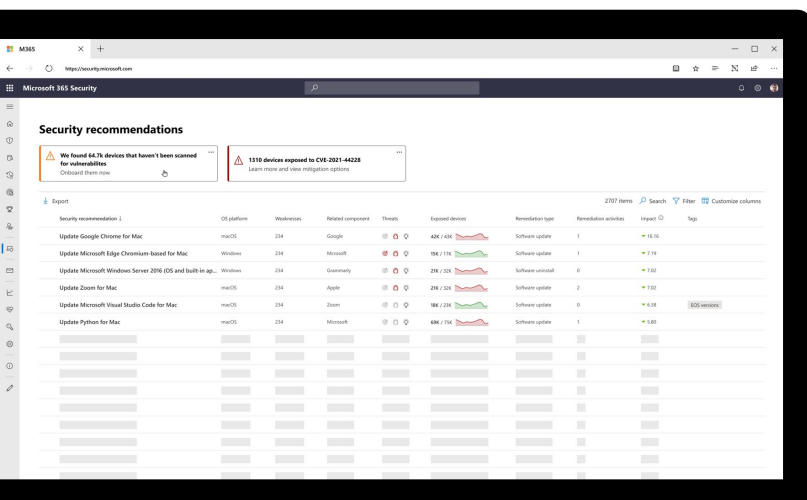
## Expert-level threat monitoring and analysis

Use Microsoft threat intelligence, breach likelihood analysis, event timelines, and entity-level vulnerability assessments to understand and prioritize vulnerabilities.



## Prioritized security recommendations

Focus on threats that pose the highest risk with a single view of prioritized recommendations from multiple security feeds. Access critical details including related CVEs, exposed devices, and more.



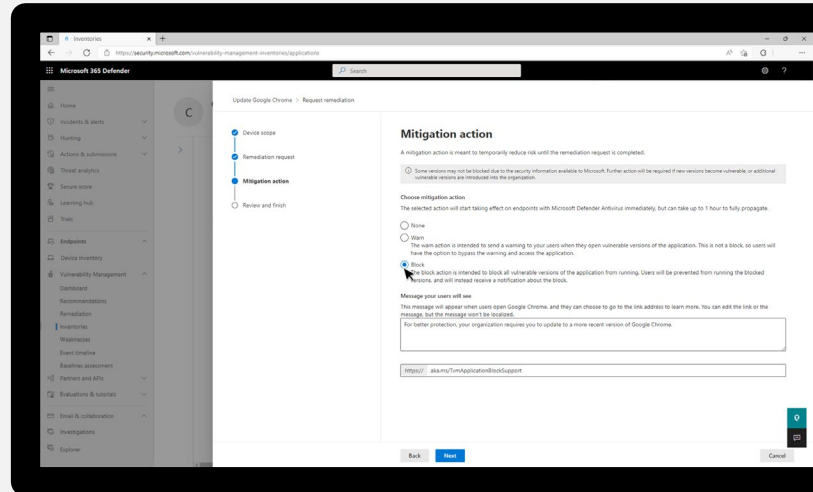
# Remediate and track progress across teams

Bridge the gap between security and IT teams. Help reduce risk with automated vulnerability remediation tools, built-in workflows, integrations, and real-time measurements to seamlessly track progress across the organization.



## Block vulnerable applications

While remediating vulnerabilities, reduce cyber exposure and mitigate risk by taking immediate action to block all currently known vulnerable versions of apps for specific device groups. Block app versions through file indicators of compromise (IoCs), provide customer warning messages to users, and surface links to learn more on how to upgrade to approved versions.



Remediation activity	Remediation type	Mitigation type	Priority	Device remediation status	Ticket status	Created by	Created on	Due on	Remaining time
Update 7-Zip	Software update	Block	Medium	In progress	New ServiceNow	michael@microsoft.com	05/25/2018 11:20	05/25/2018 11:20	20 days
Attention required: Notepad++ is vulnerable	None	None	High	Not started	New ServiceNow	michael@microsoft.com	05/25/2018 11:20	05/25/2018 11:20	N/A
Disable Javascript in Adobe Acrobat	Configuration change	None	Medium	In progress	In progress (Internal)	michael@microsoft.com	05/25/2018 11:21	05/25/2018 11:21	Post due (2 days)
Google V8 engine CVE-2018-1687	Software patch	None	Medium	In progress	In progress (Internal)	michael@microsoft.com	05/25/2018 11:21	05/25/2018 11:21	1 day
IBM webSphere MQ 7.0 RCE	Software patch	None	Medium	In progress	In progress (Internal)	michael@microsoft.com	05/25/2018 11:20	05/25/2018 11:20	—
Microsoft Office 2013 RCE	Software patch	None	Medium	In progress	In progress (Internal)	michael@microsoft.com	05/25/2018 11:20	05/25/2018 11:20	—
Microsoft Edge memory corruption	Software patch	None	Medium	In progress	In progress (Internal)	michael@microsoft.com	05/25/2018 11:21	05/25/2018 11:21	7 days
WinDefd file patch	Software patch	None	Medium	In progress	In progress (Internal)	michael@microsoft.com	05/25/2018 11:21	05/25/2018 11:21	14 days
CCleaner latest version update	Software patch	None	Medium	In progress	In progress (Internal)	michael@microsoft.com	05/25/2018 11:20	05/25/2018 11:20	6 days
Upgrade to Vidolan v1.0.3	Software patch	None	Medium	In progress	In progress (Internal)	michael@microsoft.com	05/25/2018 11:20	05/25/2018 11:20	14 days
Vulnerability in Java	Software patch	None	Medium	In progress	In progress (Internal)	michael@microsoft.com	05/25/2018 11:21	05/25/2018 11:21	2 days
Disable Javascript in Adobe Acrobat	Configuration change	None	Medium	In progress	In progress (Internal)	michael@microsoft.com	05/25/2018 11:21	05/25/2018 11:21	10 days
Google V8 engine CVE-2018-1687	Software patch	None	Medium	In progress	In progress (Internal)	michael@microsoft.com	05/25/2018 11:20	05/25/2018 11:20	1 day
IBM webSphere MQ 7.0 RCE	Software patch	None	Medium	In progress	In progress (Internal)	michael@microsoft.com	05/25/2018 11:20	05/25/2018 11:20	10 days



## Seamlessly remediate and track progress

Connect teams with built-in workflows and integrations. Track progress and trends in real time with remediation tracking and device reports. Leverage integrations with partners including ServiceNow, Kenna Security, and Vulcan Cyber.

# Compare flexible purchasing options

## Microsoft Defender Vulnerability Management add-on

For Defender for Endpoint Plan 2 customers, get consolidated inventories, expanded asset coverage, and enhanced assessment and mitigation tools.

### Defender Vulnerability Management add-on features:

- ✓ Security baseline assessments (CIS, STIG, MS)
- ✓ New risk-based vulnerability assessments of browser extensions and digital certificates
- ✓ Network shares analysis
- ✓ Blocking vulnerable applications
- ✓ Authenticated scans for Windows devices
- ✓ Consolidated asset inventories

## Microsoft Defender Vulnerability Management

For customers looking to complement their EDR solution, efficiently discover, assess, and remediate vulnerabilities and misconfigurations all in one place. Get the full set of vulnerability management capabilities in Defender for Endpoint Plan 2, and advanced assessment and mitigation tools.

### All Defender Vulnerability Management add-on features, plus:

- ✓ Device discovery and inventory
- ✓ Continuous monitoring
- ✓ Vulnerability assessments
- ✓ Configuration assessments
- ✓ Threat analytics and threat intelligence
- ✓ Risk-based prioritization
- ✓ Remediation tracking

# Microsoft Defender Vulnerability Management and Defender for Endpoint



Feature	MDVM Standalone	MDE P2 + MDVM Add-On
<b>Endpoint detection and response</b>		
Unified security tools & centralized management		●
Next generation antimalware		●
Attack surface reduction rules		●
Device control		●
Endpoint firewall		●
Network protection		●
Web control URL blocking		●
Device-based conditional access		●
Controlled folder access		●
APIs, SIEM connector		●
App control		●
Endpoint detection & response		●
Auto investigation & remediation		●
Sandbox (deep analysis)		●
Microsoft Threat Experts		●
Threat analytics / Threat intelligence		●
<b>Vulnerability management</b>		
Device discovery (unmanaged)	●	●
Device inventory (managed)	●	●
Device inventory (network devices)	●	●
Vulnerability assessment	●	●
Configuration assessment	●	●
Risk-based prioritization	●	●
Remediation tracking	●	●
Continuous monitoring	●	●
Software applications assessment	●	●
Browser plugin assessment	●	●
Digital certificates assessment	●	●
Security baselines assessment	●	●
Vulnerability assessment for unmanaged endpoints	●	●
Block vulnerable applications	●	●
Network share analysis	●	●

## Resources

» Sign up for Public Preview:  
[aka.ms/MDVM](https://aka.ms/MDVM)

» Learn more:  
[aka.ms/DefenderVulnerabilityManagementDocs](https://aka.ms/DefenderVulnerabilityManagementDocs)