

Microsoft  
Ignite

S04 – E06

WORKPLACEDUDES



MICROSOFT IGNITE  
BOOK OF  
November 19





[Windows 11 security and resiliency](#)

## 1. Microsoft Intune Updates:

- Introduction of new Advanced Analytics capabilities for querying multiple devices and taking remote actions.
- Expansion of cross-platform device inventory, including iOS, Android, and macOS.
- Enhanced macOS management with new certificate storage options.

[Microsoft Intune news at Microsoft Ignite 2024 | Microsoft Community Hub](#)

## 2. Windows 11 Innovations:

- Latest security updates and AI-powered tools for enhanced productivity.
- Introduction of new AI-powered Copilot PCs and Windows 365 Cloud PC solutions.
- Focus on making Windows 11 the most secure and performant platform for businesses.

[Microsoft Ignite 2024: Embracing the future of Windows at work | Windows Experience Blog](#)

## 3. Mobile Device Management (MDM):

- Strategies for managing frontline workers and BYOD (Bring Your Own Device) employees.
- Integration of Windows 365 Cloud PCs for secure and efficient device management.

## 4. Security Enhancements:

- New security innovations and updates to ensure system integrity and data protection.
- Introduction of Microsoft Security Copilot in Intune for advanced threat detection and response.

## 5. Identity Management:

- Implementation of multifactor authentication and passwordless authentication with Windows Hello and passkeys.

[Microsoft Ignite 2024 companion guide: Windows security | Microsoft Community Hub](#)

- Enhancements to Microsoft Entra ID for secure access and identity hardening.

[Microsoft Ignite 2024: The 10 Essential Sessions for IT Pros -- Redmondmag.com](#)



# S04 – E06























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## Windows 11 security and resiliency

### Windows 11 security and resiliency

 <div>Cloud Services</div>	<div><div>Protect your work information</div><div><div>Microsoft Entra ID<ul style="list-style-type: none"><li>• Microsoft Entra Private Access</li><li>• Microsoft Entra Internet Access</li></ul>Azure Attestation service Microsoft Defender for Endpoint Cloud-native device management</div><div><div>Microsoft Intune<ul style="list-style-type: none"><li>• Windows enrollment attestation</li><li>• Microsoft Cloud PKI</li><li>• Endpoint Privilege Management (EPM)</li><li>• Mobile Application Management (MAM)</li></ul>Security baselines</div><div><div>Local Administrator Password Solution (LAPS) Windows Autopilot Windows Update for Business Windows Autopatch Windows Hotpatch OneDrive for work or school Universal Print</div><div></div></div></div></div></div>	<div><div>Protect your personal information</div><div><div>Microsoft account Find my device OneDrive for personal Personal Vault</div><div></div></div></div>	<div><div>Privacy</div><div><div>Privacy controls</div><div>Microsoft Privacy Dashboard Privacy transparency and controls Privacy resource usage Windows diagnostic data processor configuration</div></div></div>	
 <div>Identity</div>	<div><div>Passwordless sign-in</div><div><div>Windows Hello (PIN, Face, Fingerprint) Windows presence sensing Windows Hello for Business<ul style="list-style-type: none"><li>• PIN reset</li><li>• Multi-factor unlock</li></ul>Enhanced sign-in security (ESS)</div><div><div>FIDO2<ul style="list-style-type: none"><li>• Passkeys</li></ul>Microsoft Authenticator Web sign-in Federated sign-in Smart cards Enhanced phishing protection</div><div></div></div></div></div>	<div><div>Advanced credential protection</div><div><div>Local Security Authority (LSA) protection Credential Guard Remote Credential Guard VBS key protection</div><div><div>Token protection Account lockout policy Access management and control</div><div></div></div></div></div>		
 <div>Application</div>	<div><div>Application and driver control</div><div><div>Smart App Control App Control for Business Administrator protection Microsoft vulnerable driver blocklist Trusted Signing</div><div></div></div></div>	<div><div>Application isolation</div><div><div>Win32 app isolation App containers Windows Sandbox Windows Subsystem for Linux (WSL) Virtualization-based security enclaves</div><div></div></div></div>		
 <div>Operating System</div>	<div><div>Encryption and data protection</div><div><div>BitLocker BitLocker To Go Device encryption Encrypted hard drive Personal Data Encryption (PDE) Email encryption</div><div></div></div></div>	<div><div>Network security</div><div><div>Transport Layer Security (TLS) Domain Name System (DNS) security Bluetooth protection Wi-Fi connections 5G and eSIM Windows Firewall Virtual private network (VPN) Server Message Block (SMB) file services</div><div></div></div></div>		<div><div>Virus and threat protection</div><div><div>Microsoft Defender SmartScreen Microsoft Defender Antivirus Attack surface reduction Tamper protection Exploit Protection Controlled folder access</div><div></div></div></div>
	<div><div>System security</div><div><div>Trusted Boot Cryptography</div><div><div>Certificates Code signing and integrity Device Health Attestation</div><div><div>Windows security policy settings and auditing Windows Security Config Refresh</div><div><div>Kiosk mode Windows protected print Rust for Windows</div><div></div></div></div></div></div></div>			
 <div>Hardware</div>	<div><div>Hardware root-of-trust</div><div><div>Trusted Platform Module (TPM) 2.0 Microsoft Pluton security processor</div><div></div></div></div>	<div><div>Silicon-assisted security</div><div><div>Secured kernel<ul style="list-style-type: none"><li>• Virtualization-based security (VBS)</li><li>• Hypervisor-protected code integrity (HVCI)</li><li>• Hardware-enforced stack protection</li></ul></div><div><div>Kernel direct memory access (DMA) protection Secured-core PC and Edge Secured-Core<ul style="list-style-type: none"><li>• Dynamic Root of Trust for Measurement (DRTM)</li><li>• Configuration lock</li></ul></div><div></div></div></div></div>		
 <div>Security Foundation</div>	<div><div>Secure Future Initiative and offensive research</div><div><div>Secure Future Initiative (SFI) Microsoft Security Development Lifecycle (SDL) OneFuzz service Microsoft Offensive Research and Security Engineering (MORSE) Windows Insider and Microsoft Bug Bounty Programs</div><div></div></div></div>	<div><div>Certification</div><div><div>Federal Information Processing Standard (FIPS) Common Criteria (CC)</div><div></div></div></div>	<div><div>Secure supply chain</div><div><div>Software Bill of Materials (SBOM) Windows Software Development Kit (SDK)</div><div></div></div></div>	