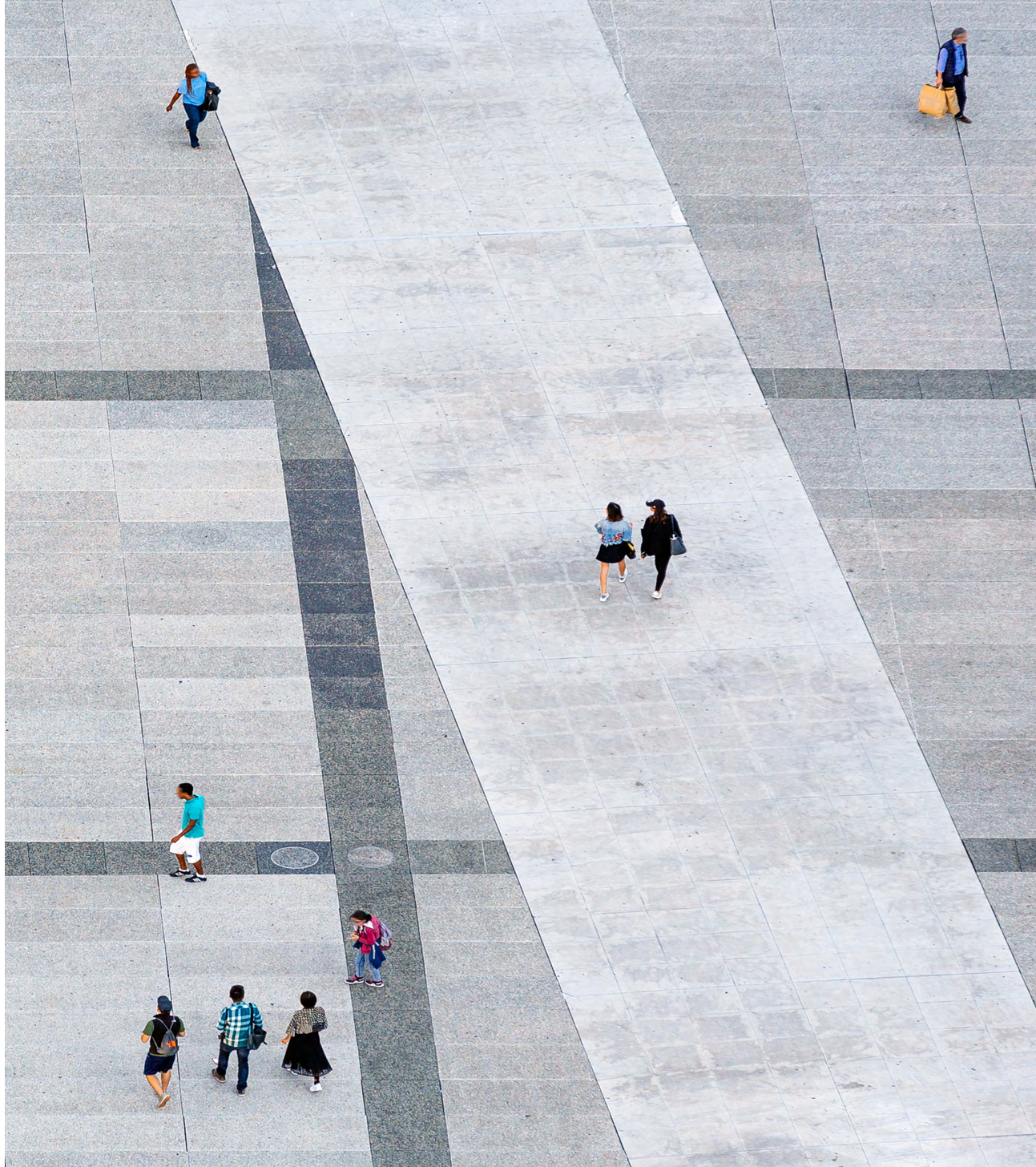
# What to consider when choosing your UEM solution

A comparison between
IBM Security MaaS360 with
Watson and Microsoft Intune



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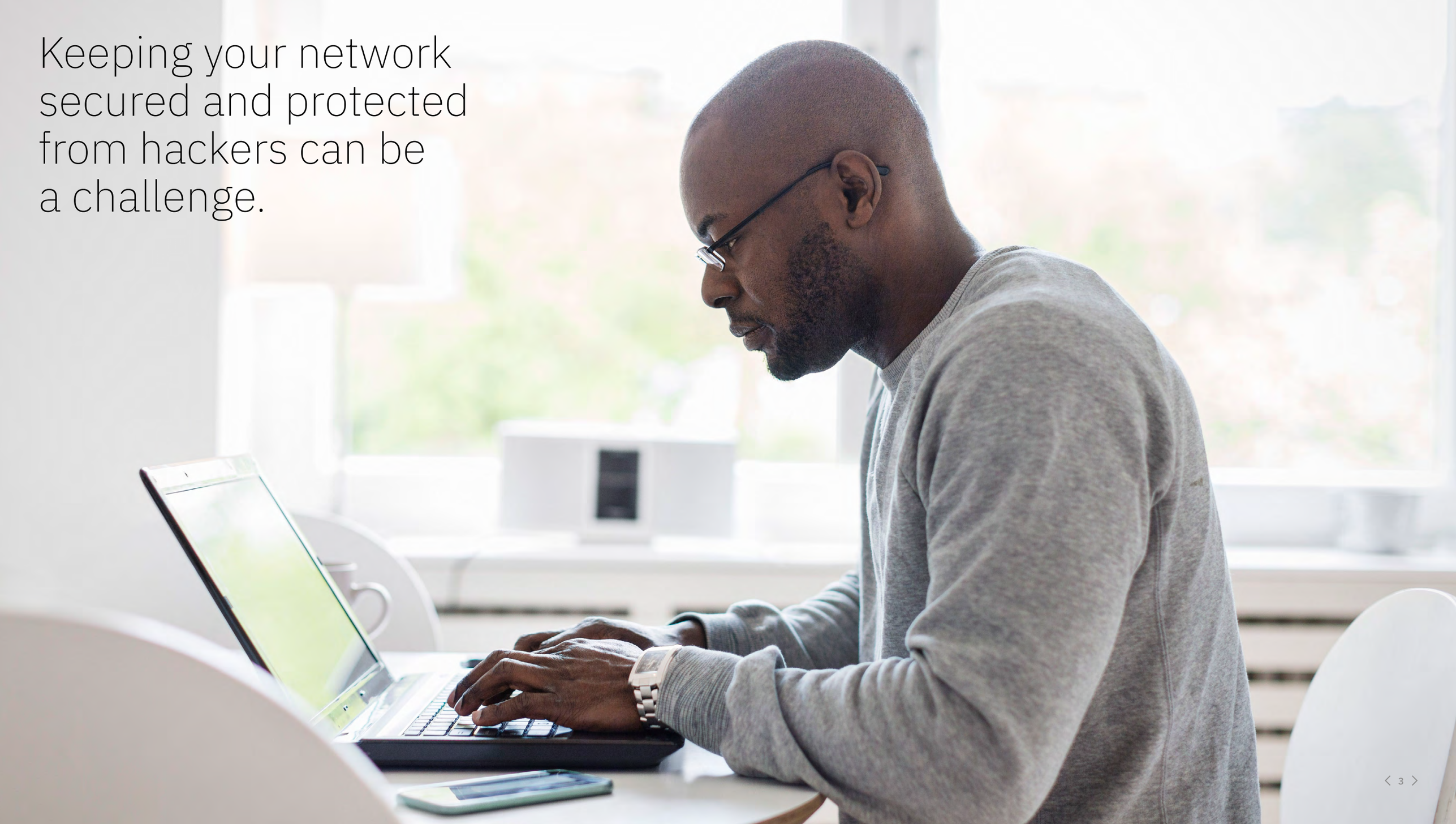
Keeping your network secured and protected from hackers can be a challenge.



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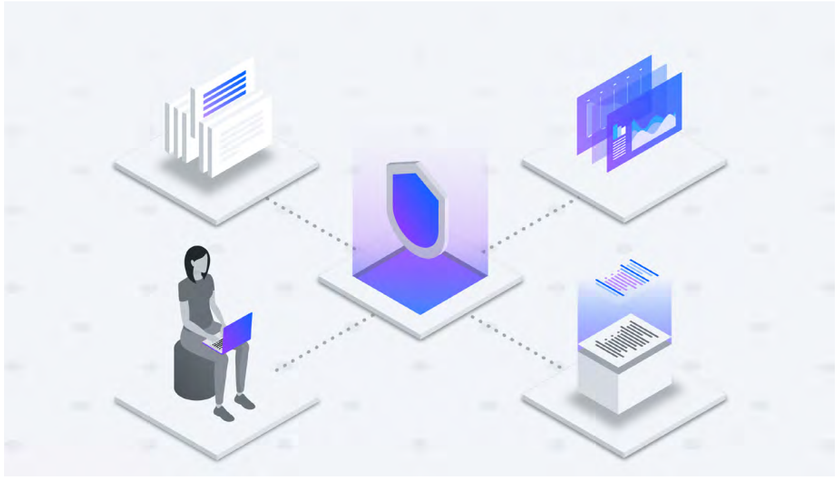
# UEM solutions: what you need to know

The traditional office environment is changing. More and more employees are working remotely and using multiple devices on different platforms.

Keeping your network secured and protected from hackers can be a challenge. Unified endpoint management (UEM) can help. UEM solutions can manage and help protect a variety of devices, including those used in remote and hybrid work models, from a single console. Modern UEM solutions like IBM Security® Maas360® with Watson® include advanced security features like identity and access management, policy settings and threat management.

In this paper we are comparing two similar UEM solutions: IBM Security MaaS360 with Watson and Microsoft Intune. Our comparison looks at the solutions' general capabilities, integrations with in-house and third-party products, supported versions and system requirements, as well as their end-of-life flexibility and security features.



58% of employees will be either primarily home-based or in a hybrid work style.[1]

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# Managing devices and applications in a changing workplace

With so many UEM solutions out there, how do you know what to look for?

A modern UEM solution should be able to manage endpoints from onboarding to decommissioning, as well as deploy and manage applications, patches and security while integrating with administration and DevOps.[2]

## Manage IoT and wearables without other licenses

IBM Security MaaS360 with Watson supports multiple use cases, including the management of IoT and wearable devices without requiring other licenses. Microsoft Intune also supports these use cases but can sometimes require other Microsoft licenses for full functionality.[3]

Using the table on the following pages, compare the capabilities of IBM Security MaaS360 with Watson and Microsoft Intune.

**What can UEM solutions do: General capabilities**

| Use case | Details | IBM Security MaaS360 with Watson | Microsoft Intune |
|---|---|---|---|
| Enroll | Support automated enrollment systems: Apple Device Enrollment Program (DEP), Samsung Knox Mobile Enrollment (KME), Android Zero Touch (AZT), Windows Out of Box Experience (OOBE). | ✓ | ✓ |
| Enforce | Enforce encryption on current Samsung devices as well as other Androids. | ✓ | ✗ |
| Control | Verify user status and credentials for directories: on-premises Active Directory (AD), Azure AD, Lightweight Directory Access Protocol (LDAP). | ✓ | ✓ (Available within other Microsoft licenses such as Azure or Office 365) |
| Block | Use Auto-Quarantine and conditional access features to control access to corporate data. | ✓ | ✓ (Available with third-party integrations) |
| Protect | Use data leak prevention (DLP) controls to protect exchange of data between apps. | ✓ | ✓ (Available within other Microsoft licenses as Azure or Office 365) |
| | Protect apps using wrapping and software development kit (SDK) without needing additional software tools. | ✓ | ✓ (Available within other Microsoft licenses as Azure or Office 365) |
| | Provide support for mobile threat defense management. | ✓ | ✓ |
| Configure | Push settings for Office 365, SharePoint, Google Drive and other Content Management Interoperability Services (CMIS)-based products. | ✓ | ✓ |

**What can UEM solutions do: General capabilities (Continued)**

| Use case | Details | IBM Security MaaS360 with Watson | Microsoft Intune |
|---|---|---|---|
| Secure | Use multifactor authentication (MFA) to improve security: Federal Risk and Authorization Management Program (FedRAMP) compliant, two-factor authentication (2FA), MFA and certificates. | ✓ | ✓ (Available within other Microsoft licenses as Azure or Office 365) |
| Identify | Integrate third-party identity and access management. | ✓ | ✓ |
| Divide | Control access levels by group. | ✓ | ✓ |
| Back up | Back up and synchronize user documents. Back up and prevent to cloud. Protect document and app security. | ✓ | ✓ (Available within other Microsoft licenses as Azure or Office 365) |
| Manage | Support mobile and fixed devices (laptops). | ✓ | ✓ (Available within other Microsoft licenses as Azure or Office 365) |
| | Support Internet of Things (IoT) and wearables. | ✓ | ✗ |
| Distribute | Distribute apps to users using a device-native app catalog. Use multiple app configuration approaches. | iOS | iOS, Android, Win, Mac |

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# Saving time and effort with good integration capabilities

When choosing a UEM solution, consider how well it integrates with other platforms and enterprise systems. This enables organizations to use UEM in conjunction with existing systems and software.

## Auto enroll devices in minutes

IBM Security MaaS360 with Watson facilitates the auto enrollment of devices brought by users. The solution also offers an option for mobile application management (MAM) without enrollment.

Explore more technical and service integration capabilities of IBM Security MaaS360 with Watson and Microsoft Intune.

**What can UEM solutions do: Integrations with in-house and third-party products**

| Feature | IBM Security MaaS360 with Watson | Microsoft Intune |
|---|---|---|
| Original equipment manufacturer software (OEM SW): AppConfig, volume purchasing program (VPP) | ✓ | ✗ AppConfig: (except for Microsoft Outlook) |
| OEM hardware (HW): OEMConfig | ✓ | ✓ |
| Automated enrollment: All[4] | ✓ (IBM SPS activation) | ✓ (except for Samsung KME) |
| MAM without enrollment | ✓ (IBM SPS activation) | ✓ (MAMWE) |
| Integration with Microsoft ecosystem and productivity (Azure AD, Office 365) | ✓ | ✓ |
| Integrations with security products from the same company | ✓ | ✓ |

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# Keeping infrastructure up to date in a flexible way

In the context of remote work, employees may be using older devices, apps and operating systems. UEM solutions offer a variety of benefits, the most prominent being the ability to keep infrastructure up to date without incurring high upgrade costs. However, offerings differ in how well they support software versions and system requirements, as well as in their flexibility for end-of-life support.

## Enable employees to work with devices of different ages

IBM Security MaaS360 with Watson supports multiple software versions and system requirements, in addition to running on a variety of browsers. This support can allow for greater flexibility and means that many user options can be covered. Microsoft Intune requires newer software and runs in fewer browsers.

Compare supported versions and system requirements of IBM Security MaaS360 with Watson and Microsoft Intune.

**What can UEM solutions do: Supported versions and system requirements**[5]

| | IBM Security MaaS360 360 with Watson | Microsoft Intune |
|---|---|---|
| Android | 5+ (up to Q4 2022) | 8+ (1 January 2022) / KNOX 2.4+ 9+ for MAM |
| iOS | 10+ | 13+ [6] |
| Windows | 10+ (Edu, Ent, Pro, Home) | Windows 10 v.1607+, Windows 10 up to v.1511* (Edu, Ent, Pro) |
| MacOS | 10.10+ | 10.15+ |
| Enrollment types supported | Apple Business Manager (ABM)/ Apple School Manager (ASM)/ DEP, Android Zero Touch, Samsung KME | ABM/ASM/DEP, Android Zero Touch |
| Admin console supported on browsers | Chrome, Firefox, Safari, Opera, Edge, Internet Explorer[7] | Microsoft Edge, Safari, Chrome, Firefox[8] |

# Extend end-of-life support for older Android devices in your network

Customers may be concerned when they have a UEM system that does not support their older devices.

With IoT gaining more ground, the more flexibility a solution has for its end-of-life support, the more freedom employees can have when enrolling their devices into the company's infrastructure. Until the end of 2022, IBM Security MaaS360 with Watson offers support for devices running Android 6 and earlier.

See the editions[9] that are no longer supported for IBM Security MaaS360 with Watson and compare with Microsoft Intune.

**What can UEM solutions do: End-of-life support availability[10]**

| IBM Security MaaS360 360 with Watson | Microsoft Intune |
|---|---|
| • Deprecating support for Android 6 and earlier (Q4 2022) | • Deprecated support for Android 7 and earlier (7 January 2022)<br>• Deprecated support for Android 8 and earlier for MAM (1 October 2021)<br>• Deprecated support for safe boot and debugging features (1 November 2021)<br>• Deprecated network fence feature (7 October 2021)<br>• Deprecated iOS 12 and earlier<br>• Deprecated Mac OS versions earlier than 10.15 (Fall 2021)<br>• Deprecated support for specific versions of Windows 10 |

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# Protecting corporate data at every endpoint

Phishing through email and SMS is now overwhelmingly the most frequently seen attack or incident, as attackers exploit the inherit trust that users have in their phones.[11]

UEM solutions can help protect corporate data from leaking out through endpoints in an enterprise by managing access through a zero trust architecture. This means that UEM solutions can help to keep your data protected so that only authorized users have access to the applications and data they need, regardless of endpoint or connection type.[12]

## Protect the devices of your hybrid workforce

When choosing the solution for your business, look at those that integrate with third-party identity access management (IAM) products and support admin roles and hierarchy. IBM Security MaaS360 with Watson provides cloud and on-premises integration levels and directory support to help strengthen security and positively impact employee experience. Moreover, the solution includes options for conditional access and MFA. Microsoft Intune offers more limited on-premises integrations and directory support.

Compare more IAM features for IBM Maas 360 with Watson and Microsoft Intune.

**What can UEM solutions do: IAM availability[13]**

| Feature | IBM Security MaaS360 with Watson | Microsoft Intune |
|---|---|---|
| Platform level – cloud integrations | ✓ Azure AD | ✓ Azure AD, Office 365 |
| Platform level – on-premises integrations | ✓ Exchange, Traveler (IBM MaaS360 Cloud Extender) Office 365[14] | ✓ Exchange only (Microsoft Cloud Connector) |
| On-premises directory support | Microsoft AD, multiple lightweight directory access protocol (LDAP) products<br><br>Install IBM MaaS360 Cloud Extender® | Microsoft AD only<br><br>Install Microsoft Cloud Connector |
| Support Azure AD Conditional Access or MFA | ✓ | ✓ |
| Integrate with third-party IAM products | ✓ | ✓ |
| Support admin roles and hierarchy | ✓ | ✓ |

*Note: Intune uses other Microsoft products: on-premises AD, Azure AD. MaaS360 cloud-to-cloud integrations use IBM Security Verify.*

# Protect data across multiple contexts

IBM Security MaaS360 with Watson runs in multiple contexts, such as product information management (PIM) clients, browsers or documents, and facilitates the segregation of data for multiple operating systems. The solution uses a platform-specific differentiated encryption algorithm, as opposed to the hardware-based virtualization that Microsoft Intune uses, thus requiring less system resources.

Review more of the information security availability features of IBM Maas 360 with Watson and compare with Microsoft Intune.

**What can UEM solutions do: Information security availability**[15]

| Feature | IBM Security MaaS360 with Watson | Microsoft Intune |
|---|---|---|
| Solution within | PIM client, Browser, Docs | Browser only |
| Data containerization (mobile device) | ✓ (Android and iOS) | ✗ |
| Segregation of data supported | iOS User Enrollment, Android Enterprise Profile Owner (PO) and Device Owner (DO) mode supported | |
| Data containerization (PC or Mac) | ✗ | ✓ (Windows only) |
| Technology used | Containerization, Application Guard (Windows) | Application Guard |
| Achieved through | Differentiated encryption algorithm[16] | Hardware-based virtualization |
| Control file formats | ✓ | ✓ |
| Insert images or files | ✓ | ✗ |
| Feature uses | Threat management | Defender for endpoint |
| Protected read or edit mode | Y: Prevent opening of infected files | Y: Protected view |

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# Adding security and efficiency to the modern workplace

UEM solutions can be an important investment for organizations looking to embrace a zero trust security approach. When choosing a UEM solution for your company, consider its general features, integration and support compatibilities, security features and pricing.

Once you've considered all these factors, you should have a good idea of what type of solution will best meet your needs.

## Protect your distributed workforce with IBM Security MaaS360 with Watson

IBM Security MaaS360 with Watson helps protect devices, applications, content and data in a way that allows for flexibility and efficiency. With Watson's contextual analytics capabilities, businesses can glean actionable insights from their data to improve security posture.

# Continue your journey

## Contact us

Work with a security specialist who can help you understand your options and choose the right UEM solution for your business needs.

Schedule a discussion →

## Get started

Test IBM Maas360 with Watson for yourself.

Start your free trial →

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