

Compared: UEM Vendors

2024

Unified endpoint management (UEM) is a strategic IT approach that consolidates how enterprises secure and manage an array of deployed devices including phones, tablets, PCs, and even IoT devices. UEM tools incorporate several existing enterprise mobility management (EMM) technologies, including mobile device management (MDM) and mobile application management (MAM), with tools used to manage desktop PCs and laptops.

With the ability to create policies that can be deployed to many devices and operating systems, UEM products reduce both manual work and risk for IT. They also deliver insights into how devices and apps are used by employees, which can be used to improve cross-functional workflows.

Our in-depth chart compares the features and functions offered by major UEM vendors including BlackBerry, Cisco, Google, IBM, Ivanti, ManageEngine, Microsoft, and VMware. You can scroll through the whole chart or click on a topic in the bulleted list below to go to that specific section of the chart. ♦

- **Deployment Options** (*on-premises, cloud*)
- **Platforms Supported**
- **Device Management** (*automated provisioning, selective device wipe, etc.*)
- **Application Management** (*managed app provisioning, containerization, etc.*)
- **Security** (*app deny/allow lists, DLP, firewall, etc.*)
- **Document/Content Management** (*encrypted document container, secure email, etc.*)
- **Network Management** (*roaming cost control, device diagnostics, usage monitoring, etc.*)
- **Service Management** (*help desk support management, remote control of device, etc.*)
- **Analytics and Automation** (*alerts, real-time dashboards, app-level analytics, etc.*)

This chart was originally published in May 2013 and most recently updated in February 2024. We chose the vendors and products listed here with guidance from analyst firm IDC; all have significant market share or are important to include for other reasons such as features and functions. All information in the chart about the products and services comes from the respective vendors.



UNIFIED ENDPOINT MANAGEMENT VENDORS COMPARED

Deployment Options

	BlackBerry	Cisco	Google	IBM	Ivanti	ManageEngine	Microsoft	VMware
<i>Product Name(s)</i>	BlackBerry UEM	Cisco Meraki Systems Manager	Google Admin	IBM Security MaaS360	Ivanti Neurons for Unified Endpoint Management	ManageEngine Endpoint Central	Microsoft Intune	VMware Workspace ONE
<i>On-premises</i>	YES	NO	NO	NO (but on-premises access gateway available for email, VPN, and other applications)	YES (Ivanti Endpoint Manager, Ivanti Endpoint Manager Mobile)	YES	YES (ConfigMgr)	YES
<i>Cloud/SaaS</i>	YES	YES	YES	YES	YES (Ivanti Neurons for UEM)	YES	YES	YES



UNIFIED ENDPOINT MANAGEMENT VENDORS COMPARED

Platforms Supported

	BlackBerry	Cisco	Google	IBM	Ivanti	ManageEngine	Microsoft	VMware
<i>Product Name(s)</i>	BlackBerry UEM	Cisco Meraki Systems Manager	Google Admin	IBM Security MaaS360	Ivanti Neurons for UEM	ManageEngine Endpoint Central	Microsoft Intune	VMware Workspace ONE
<i>iOS</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Android</i>	YES	YES	YES	YES	YES	YES	YES (incl. Zebra SD660 devices, selected Realwear, PICO, META, HTC devices through AOSP)	YES
<i>Android Enterprise</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Extended Android APIs</i>	YES	YES (in beta)	YES	YES (Samsung Knox, Android-based OEMs)	YES	YES	YES	YES (Samsung Knox, Zebra MX, Android Enterprise OEMConfig, custom settings via XML)
<i>Windows 10</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Windows 11</i>	YES	YES	NO	YES	YES	YES	YES	YES
<i>macOS</i>	YES	YES	NO	YES	YES	YES	YES	YES
<i>ChromeOS</i>	YES	YES	YES	YES	YES	YES	YES (in public preview)	YES
<i>Other</i>	WatchOS, Android Wear, QNX; Android Things; intelligent display devices		Linux	Linux; Windows 7; Amazon Fire OS; Android Wear; Android Things; Microsoft Holographic; watchOS; Windows IOT Platform; AOSP devices; Vuzix; Realware	Linux; IoT; Raspberry Pi OS; tvOS; HoloLens; AOSP; Zebra; Oculus	12+ Linux flavors; Windows XP, 7, 8.x; Windows Server; Google Glass; HoloLens; watchOS; tvOS; OEM support (Samsung Knox, Zebra, Honeywell, Lenovo, Datalogic, 15+ more)	Linux desktops	Linux; tvOS; Windows 7, 8, 8.1, RT; Windows CE 7; Symbian; QNX 6.5; Tizen; Raspberry Pi OS



UNIFIED ENDPOINT MANAGEMENT VENDORS COMPARED

Device Management

	BlackBerry	Cisco	Google	IBM	Ivanti	ManageEngine	Microsoft	VMware
<i>Product Name(s)</i>	BlackBerry UEM	Cisco Meraki Systems Manager	Google Admin	IBM Security MaaS360	Ivanti Neurons for UEM	ManageEngine Endpoint Central	Microsoft Intune	VMware Workspace ONE
<i>Integrated console for PC and mobile management</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Automated provisioning/enrollment</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Out-of-box remote onboarding/configuration</i>	YES (e.g., Android zero-touch enrollment)	YES	YES (ChromeOS)	YES	YES	YES	YES	YES
<i>OS update/patch management</i>	YES (via partner)	YES	YES (ChromeOS)	YES	YES	YES	YES	YES
<i>Password protection</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Password reset</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Remote device wipe</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Selective wipe</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Remote lock</i>	YES	YES	YES (except iOS)	YES	YES	YES	YES	YES



UNIFIED ENDPOINT MANAGEMENT VENDORS COMPARED

Device Management *(continued)*

	BlackBerry	Cisco	Google	IBM	Ivanti	ManageEngine	Microsoft	VMware
<i>Product Name(s)</i>	BlackBerry UEM	Cisco Meraki Systems Manager	Google Admin	IBM Security MaaS360	Ivanti Neurons for UEM	ManageEngine Endpoint Central	Microsoft Intune	VMware Workspace ONE
<i>Set VPN, Wi-Fi, APN, proxy/gateway settings</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Disable Wi-Fi</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Disable carrier data connection</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Configuration monitoring/auditing</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Disable camera</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Disable Bluetooth</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Manage desktop-attached devices (e.g., printers, scanners)</i>	NO	YES	YES (ChromeOS)	YES	YES	YES	YES	YES



UNIFIED ENDPOINT MANAGEMENT VENDORS COMPARED

Device Management *(continued)*

	BlackBerry	Cisco	Google	IBM	Ivanti	ManageEngine	Microsoft	VMware
<i>Product Name(s)</i>	BlackBerry UEM	Cisco Meraki Systems Manager	Google Admin	IBM Security MaaS360	Ivanti Neurons for UEM	ManageEngine Endpoint Central	Microsoft Intune	VMware Workspace ONE
<i>Manage mobile-attached devices</i> (e.g., printers, scanners)	YES (via ISV partners)	YES (includes controls for block/allow access)	NO	YES	YES	YES	NO (but can block removable storage)	YES
<i>Support multiple users per device</i> (auto-configure device settings based on the currently logged-in user)	YES (supports multi-user/shared device support for iOS)	YES	YES (ChromeOS)	YES	YES	YES	YES	YES
<i>Offers GPO or other policy migration from legacy PC management systems</i>	YES (via partner)	NO	YES (ChromeOS)	YES	YES	YES	YES	YES
<i>Supports legacy Windows systems</i> (XP, 7, 8.x)	NO	NO	NO	YES	YES	YES	NO	YES



UNIFIED ENDPOINT MANAGEMENT VENDORS COMPARED

Application Management

	BlackBerry	Cisco	Google	IBM	Ivanti	ManageEngine	Microsoft	VMware
<i>Product Name(s)</i>	BlackBerry UEM	Cisco Meraki Systems Manager	Google Admin	IBM Security MaaS360	Ivanti Neurons for UEM	ManageEngine Endpoint Central	Microsoft Intune	VMware Workspace ONE
<i>User self-service app delivery</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Managed app provisioning</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Integrated enterprise app store for desktop and mobile app deployment</i>	YES	YES	YES (mobile only)	YES	YES	YES	YES	YES
<i>App update/patch management</i>	YES	YES	NO	YES	YES	YES	YES	YES
<i>Containerization/sandboxing</i>	YES	YES (on mobile platforms)	YES (ChromeOS)	YES	YES	YES	YES	YES
<i>App containerization using developer SDK/toolkit</i>	YES	NO	NO	YES	YES	NO	YES	YES
<i>App containerization using app wrapping</i>	YES (built into Dynamics SDK for ground-up development; also via ISV partner for existing apps)	NO	NO	YES	YES	NO	YES	YES
<i>Block copy/paste between apps</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Block copy/paste from email</i>	YES	YES	YES	YES	YES	YES	YES	YES



UNIFIED ENDPOINT MANAGEMENT VENDORS COMPARED

Application Management *(cont.)*

	BlackBerry	Cisco	Google	IBM	Ivanti	ManageEngine	Microsoft	VMware
<i>Product Name(s)</i>	BlackBerry UEM	Cisco Meraki Systems Manager	Google Admin	IBM Security MaaS360	Ivanti Neurons for UEM	ManageEngine Endpoint Central	Microsoft Intune	VMware Workspace ONE
<i>Restrict which apps can open a given file</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>App inventory tracking</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>App usage monitoring</i>	YES	YES (via Cisco Secure Endpoint)	YES	YES	YES	YES	NO	YES
<i>Apple volume purchase program integration</i> (decrements volume purchase agreement quantity available as users download apps from store)	YES	YES	NO	YES	YES	YES	YES	YES
<i>Remote desktop access</i> (access to apps and data on desktop from smartphone or tablet)	YES (via partner)	YES	NO	YES	YES	NO	YES	YES
<i>Supports native iOS app controls</i>	YES	YES	NO	YES	YES	YES	YES	YES
<i>Supports native Android Enterprise app controls</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Can deploy apps to unmanaged devices</i>	YES	YES (on macOS and Windows)	YES (Android only)	YES	YES	YES	YES	YES



UNIFIED ENDPOINT MANAGEMENT VENDORS COMPARED

Security

	BlackBerry	Cisco	Google	IBM	Ivanti	ManageEngine	Microsoft	VMware
<i>Product Name(s)</i>	BlackBerry UEM	Cisco Meraki Systems Manager	Google Admin	IBM Security MaaS360	Ivanti Neurons for UEM	ManageEngine Endpoint Central	Microsoft Intune	VMware Workspace ONE
<i>Secure web browser</i>	YES	YES (via Cisco Umbrella)	YES	YES	YES	YES	YES	YES
<i>Application deny/allow lists</i>	YES	YES	YES (allow list)	YES	YES	YES	YES	YES
<i>Data loss prevention (DLP)</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Email attachment DLP</i>	YES	YES (via Cisco Secure Email Threat Defense)	YES	YES	YES	YES	YES	YES
<i>Device compromise detection (jailbreak/rooting)</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Device-level encryption</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Encrypted folders</i>	YES	NO	YES	YES	YES	NO	YES	YES
<i>Encrypted email attachments</i>	YES	YES (with support for S/MIME)	YES	YES	YES	YES	YES	YES
<i>Encrypted email message body</i>	YES	YES (with support for S/MIME)	YES	YES	YES	YES	YES	YES



UNIFIED ENDPOINT MANAGEMENT VENDORS COMPARED

Security *(continued)*

	BlackBerry	Cisco	Google	IBM	Ivanti	ManageEngine	Microsoft	VMware
<i>Product Name(s)</i>	BlackBerry UEM	Cisco Meraki Systems Manager	Google Admin	IBM Security MaaS360	Ivanti Neurons for UEM	ManageEngine Endpoint Central	Microsoft Intune	VMware Workspace ONE
<i>Geofencing</i>	YES (via ISV partners)	YES	YES (via Context-Aware Access)	YES	YES (via partner)	YES	YES	YES
<i>Time fencing</i>	YES (via ISV partners)	YES	YES (via Context-Aware Access)	YES	YES	YES	NO	YES
<i>VPN</i>	Not required (built-in E2E secure connectivity)	YES	YES	YES	YES	YES	YES	YES
<i>Mobile VPN</i>	Not required (built-in E2E secure connectivity)	YES	YES	YES	YES	YES	YES	YES
<i>App-level micro VPN</i>	YES (BlackBerry Secure Connect Plus)	YES	NO	YES	YES	YES	YES	YES
<i>Zero Trust Network Access (ZTNA)</i>	YES (via CylanceGATEWAY)	YES	YES (via Context-Aware Access)	YES	YES	NO	YES	YES
<i>Multifactor device/app authentication</i> (token-based, facial recognition, client access card support, etc.)	YES	YES (via Cisco Duo)	YES	YES	YES	YES	YES	YES



UNIFIED ENDPOINT MANAGEMENT VENDORS COMPARED

Security *(continued)*

	BlackBerry	Cisco	Google	IBM	Ivanti	ManageEngine	Microsoft	VMware
<i>Product Name(s)</i>	BlackBerry UEM	Cisco Meraki Systems Manager	Google Admin	IBM Security MaaS360	Ivanti Neurons for UEM	ManageEngine Endpoint Central	Microsoft Intune	VMware Workspace ONE
<i>Malware detection</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Includes firewall</i>	YES	YES	NO	YES	YES	NO	YES	YES
<i>Single sign-on support</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Risk-based authentication</i>	YES	YES <small>(via Cisco Duo)</small>	YES	YES	YES	YES	YES	YES
<i>Behavioral biometric authentication</i>	YES	YES <small>(via Cisco Duo)</small>	YES	YES	YES	YES <small>(via Zoho Directory)</small>	YES	YES
<i>Identity-based policy enforcement across multiple devices</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Supports custom policy configuration/deployment based on user ID, role, and access privileges</i>	YES	YES	YES <small>(ChromeOS)</small>	YES	YES	YES	YES <small>(based on ID)</small>	YES
<i>Role-based access control for IT team</i>	YES	YES	YES <small>(ChromeOS)</small>	YES	YES	YES	YES	YES



UNIFIED ENDPOINT MANAGEMENT VENDORS COMPARED

Document/Content Management

	BlackBerry	Cisco	Google	IBM	Ivanti	ManageEngine	Microsoft	VMware
<i>Product Name(s)</i>	BlackBerry UEM	Cisco Meraki Systems Manager	Google Admin	IBM Security MaaS360	Ivanti Neurons for UEM	ManageEngine Endpoint Central	Microsoft Intune	Workspace ONE Content, Workspace ONE Boxer
<i>Encrypted document container</i>	YES	NO	YES (via Gmail)	YES	YES	YES	YES	YES
<i>Secure email</i>	YES	NO	YES (via Gmail)	YES	YES	YES	YES	YES
<i>File server access</i>	YES	NO	NO	YES	YES	YES (via Zoho WorkDrive)	YES	YES
<i>Secure SharePoint access</i>	YES	NO	YES (via SharePoint web front end)	YES	YES	YES	YES	YES
<i>Integrates with enterprise content management software</i>	YES	YES (with managed app config support)	YES (when presented via web browser)	YES	YES	YES	YES	YES



UNIFIED ENDPOINT MANAGEMENT VENDORS COMPARED

Network Management

	BlackBerry	Cisco	Google	IBM	Ivanti	ManageEngine	Microsoft	VMware
<i>Product Name(s)</i>	BlackBerry UEM	Cisco Meraki Systems Manager	Google Admin	IBM Security MaaS360	Ivanti Neurons for UEM	ManageEngine Endpoint Central	Microsoft Intune	VMware Workspace ONE
<i>Data usage management</i> (restrict where, when and whether downloads occur over Wi-Fi or cellular)	YES	YES	NO	YES	YES	YES	YES	YES
<i>Roaming cost control</i> (such as auto disablement of data when roaming)	YES	NO	NO	YES	YES	YES	YES	YES
<i>Device diagnostics</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Usage monitoring</i>	YES	YES	YES	YES	YES	YES (via ManageEngine Netflow Analyzer)	YES	YES
<i>Block device from accessing email if policies violated</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Offers peer-to-peer distribution</i>	NO	NO	YES	YES	YES	YES	YES	YES
<i>Partners with third-party content delivery network</i>	NO	YES	NO	YES	YES (via AWS and Azure storage)	YES (uses Zoho CDNs)	NO	YES



UNIFIED ENDPOINT MANAGEMENT VENDORS COMPARED

Service Management

	BlackBerry	Cisco	Google	IBM	Ivanti	ManageEngine	Microsoft	VMware
<i>Product Name(s)</i>	BlackBerry UEM	Cisco Meraki Systems Manager	Google Admin	IBM Security MaaS360	Ivanti Neurons for UEM	ManageEngine Endpoint Central	Microsoft Intune	VMware Workspace ONE, VMware Workspace ONE Assist
<i>Help desk support management</i>	YES	NO	YES	YES	YES	YES	YES	YES
<i>Service monitoring</i>	YES	NO	YES	YES	YES	YES	YES	YES
<i>Remote control of device</i>	YES (via ISV partner)	YES	YES	YES	YES	YES	YES	YES
<i>User self-service portal</i>	YES	YES	NO	YES	YES	YES	YES	YES
<i>Chatbot support</i>	YES	NO	NO	YES (via MaaS360 Assistant)	YES (provided in the ITSM)	YES	NO	YES



UNIFIED ENDPOINT MANAGEMENT VENDORS COMPARED

Analytics and Automation

	BlackBerry	Cisco	Google	IBM	Ivanti	ManageEngine	Microsoft	VMware
<i>Product Name(s)</i>	BlackBerry UEM	Cisco Meraki Systems Manager	Google Admin	IBM Security MaaS360	Ivanti Neurons for UEM	ManageEngine Endpoint Central	Microsoft Intune	VMware Workspace ONE
<i>Alerts</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Automated responses to alerts</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>Automated, scheduled report delivery</i>	YES (also via partners)	YES	YES	YES	YES	YES	NO	YES
<i>Real-time dashboards</i>	YES	YES	YES	YES	YES	YES	NO	YES
<i>Device-level analytics</i>	YES	YES	YES	YES	YES	YES	YES	YES
<i>App-level analytics</i>	YES	YES (via Cisco Secure Endpoint)	YES	YES	YES	YES	YES	YES
<i>Can leverage aggregate data across customer base for insights/best practices</i>	YES	NO	YES	YES	YES	NO	YES	YES



UNIFIED ENDPOINT MANAGEMENT VENDORS COMPARED

Analytics and Automation *(continued)*

	BlackBerry	Cisco	Google	IBM	Ivanti	ManageEngine	Microsoft	VMware
<i>Product Name(s)</i>	BlackBerry UEM	Cisco Meraki Systems Manager	Google Admin	IBM Security MaaS360	Ivanti Neurons for UEM	ManageEngine Endpoint Central	Microsoft Intune	VMware Workspace ONE
<i>Digital Employee Experience (DEX) assessment</i>	NO	NO	NO	YES	YES	YES	YES	YES
<i>Supports device self-healing policies</i>	YES	NO	NO	YES	YES	YES	YES	YES
<i>Supports low-code automation</i>	YES	NO	YES <small>(via optional API tools)</small>	YES	YES	YES <small>(via Zoho Flow)</small>	NO	YES
<i>Generative AI-assisted scripting</i>	NO	NO	NO	NO	NO <small>(planned)</small>	NO	NO	YES <small>(in beta)</small>
<i>Generative AI-assisted policy creation</i>	NO	NO	NO <small>(coming soon)</small>	YES	NO <small>(planned)</small>	NO	YES <small>(via Security Copilot, in private preview)</small>	NO