Compared:
UEM Vendors
2022

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, Google, IBM, Ivanti, ManageEngine, Microsoft, Sophos, 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, secure web browser, 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.)
- **Reporting** *(alerts, real-time dashboards, app-level analytics, etc.)*

This chart was originally published in May 2013 and most recently updated in May 2022. We chose the vendors and products listed here based on conversations with independent analysts; 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	Google	IBM	Ivanti	ManageEngine	Microsoft	Sophos	VMware
Product Name(s)	BlackBerry Spark UEM	Google Endpoint Management	IBM Security MaaS360 with Watson	Ivanti's Unified Endpoint Management	ManageEngine Desktop Central	Microsoft Endpoint Manager	Sophos Mobile	VMware Workspace ONE
On-premises	YES	NO	NO (but on-premises access gateway available for email, VPN, and other applications)	YES	YES	YES (ConfigMgr)	NO	YES
Cloud/SaaS	YES	YES	YES	YES	YES	YES	YES	YES

UNIFIED ENDPOINT MANAGEMENT VENDORS COMPARED

Platforms Supported

	BlackBerry	Google	IBM	Ivanti	ManageEngine	Microsoft	Sophos	VMware
Product Name(s)	BlackBerry Spark UEM	Google Endpoint Management	IBM Security MaaS360 with Watson	Ivanti Neurons for UEM	ManageEngine Desktop Central	Microsoft Endpoint Manager	Sophos Mobile	VMware Workspace ONE
iOS	YES	YES	YES	YES	YES	YES	YES	YES
Android	YES	YES	YES	YES	YES	YES	YES	YES
Android Enterprise	YES	YES	YES	YES	YES	YES	YES	YES
Extended Android APIs	YES	YES	YES (Samsung Knox, Android-based OEMs)	YES	YES	YES	YES	YES (Samsung Knox, Zebra MX, Android Enterprise OEMConfig, custom settings via XML)
Windows 10	YES	YES	YES	YES	YES	YES	YES	YES
Windows 11	YES	NO	YES	YES	YES	YES	YES	YES
macOS	YES	NO	YES	YES	YES	YES	YES	YES
Chrome OS	YES	YES	YES	YES	YES	NO	YES	YES
Other	tvOS; QNX; Android Things		Linux; Windows 7; Amazon Fire OS; Android Wear; Android Things; Microsoft Holographic; watchOS; Windows IOT Platform; AOSP devices; Vuzix; Realware	Linux; IoMT; Raspberry Pi OS; Zebra; tvOS; HoloLens; Oculus; Android OEMs	10+ Linux flavors; Amazon Fire OS; tvOS; HoloLens	Zebra, Realwear, AOSP; Windows Mobile and Phone (via ConfigMgr); Linux (in preview)		Linux; tvOS; Windows 7, 8, 8.1, RT; Windows CE 7; Symbian; QNX 6.5; Tizen; Raspberry Pi OS

Device Management

Product Name(s)	BlackBerry	Google	IBM	Ivanti	ManageEngine	Microsoft	Sophos	VMware
	BlackBerry Spark UEM	Google Endpoint Management	IBM Security MaaS360 with Watson	Ivanti Neurons for UEM	ManageEngine Desktop Central	Microsoft Endpoint Manager	Sophos Mobile	VMware Workspace ONE
Integrated console for PC and mobile management	YES	YES	YES	YES	YES	YES	YES	YES
Automated provisioning/ enrollment	YES	YES	YES	YES	YES	YES	YES	YES
OS update/patch management	NO	NO	YES	YES	YES	YES	NO	YES
Password protection	YES	YES	YES	YES	YES	YES	YES	YES
Password reset	YES	YES	YES	YES	YES	YES	YES	YES
Remote device wipe	YES	YES	YES	YES	YES	YES	YES	YES
Selective wipe	YES	YES	YES	YES	YES	YES	YES	YES
Remote lock	YES	YES (except iOS)	YES	YES	YES	YES	YES	YES

Device Management *(continued)*

Product Name(s)	BlackBerry	Google	IBM	Ivanti	ManageEngine	Microsoft	Sophos	VMware
	BlackBerry Spark UEM	Google Endpoint Management	IBM Security MaaS360 with Watson	Ivanti Neurons for UEM	ManageEngine Desktop Central	Microsoft Endpoint Manager	Sophos Mobile	VMware Workspace ONE
Set VPN, Wi-Fi, APN, proxy/ gateway settings	YES	YES	YES	YES	YES	YES	YES	YES
Disable Wi-Fi	YES	YES	YES	YES	YES	YES	YES	YES
Disable carrier data connection	YES	YES	YES	YES	YES	YES	YES	YES
Configuration monitoring/ auditing	YES	YES	YES	YES	YES	YES	YES	YES
Disable camera	YES	YES	YES	YES	YES	YES	YES	YES
Disable Bluetooth	YES	YES	YES	YES	YES	YES	YES	YES
Manage desktop-attached devices (e.g., printers, scanners)	NO	YES (through Windows custom settings)	YES	YES	YES	YES	NO	YES

Device Management *(continued)*

	BlackBerry	**Google**	**IBM**	**Ivanti**	**ManageEngine**	**Microsoft**	**Sophos**	**VMware**
Product Name(s)	BlackBerry Spark UEM	Google Endpoint Management	IBM Security MaaS360 with Watson	Ivanti Neurons for UEM	ManageEngine Desktop Central	Microsoft Endpoint Manager	Sophos Mobile	VMware Workspace ONE
Manage mobile-attached devices (e.g., printers, scanners)	**YES** (via ISV partners)	**NO**	**YES**	**YES**	**YES**	**NO** (but can block re-movable storage)	**YES**	**YES**
Support multiple users per device (auto-configure device settings based on the currently logged-in user)	**YES** (supports multi-user/shared device support for iOS)	**NO**	**YES**	**YES**	**YES**	**YES**	**NO**	**YES**
Offers GPO or other policy migration from legacy PC management systems	**NO**	**YES** (through Windows custom settings)	**YES**	**YES**	**YES**	**YES**	**NO**	**YES**
Supports legacy Windows systems (XP, 7, 8.x)	**NO**	**NO**	**YES**	**YES**	**YES**	**YES**	**NO**	**YES**

Application Management

	BlackBerry	Google	IBM	Ivanti	ManageEngine	Microsoft	Sophos	VMware
Product Name(s)	BlackBerry Spark UEM	Google Endpoint Management	IBM Security MaaS360 with Watson	Ivanti Neurons for UEM	ManageEngine Desktop Central	Microsoft Endpoint Manager	Sophos Mobile	VMware Workspace ONE
User self-service app delivery	YES	YES	YES	YES	YES	YES	YES	YES
Managed app provisioning	YES	YES	YES	YES	YES	YES	YES	YES
Integrated enterprise app store for desktop and mobile app deployment	YES	NO (mobile only)	YES	YES	YES	YES	YES	YES
App update/patch management	YES	NO	YES	YES	YES	YES (ConfigMgr)	YES	YES
Containerization/ sandboxing	YES	NO	YES	YES	YES	YES	YES	YES
App containerization using developer SDK/toolkit	YES	NO	YES	YES	NO	YES	YES	YES
App containerization using app wrapping	YES (via ISV partner)	NO	YES	YES	NO	YES	NO	YES
Block copy/paste between apps	YES	YES	YES	YES	YES	YES	YES	YES
Block copy/paste from email	YES	YES	YES	YES	YES	YES	YES	YES

Application Management *(cont.)*

Product Name(s)	BlackBerry	Google	IBM	Ivanti	ManageEngine	Microsoft	Sophos	VMware
	BlackBerry Spark UEM	Google Endpoint Management	IBM Security MaaS360 with Watson	Ivanti Neurons for UEM	ManageEngine Desktop Central	Microsoft Endpoint Manager	Sophos Mobile	VMware Workspace ONE
Restrict which apps can open a given file	YES	YES	YES	YES	YES	YES	YES	YES
App inventory tracking	YES	YES	YES	YES	YES	YES	YES	YES
App usage monitoring	YES	YES	YES	YES	YES	YES	YES	YES
Apple volume purchase program integration (decrements volume purchase agreement quantity available as users download apps from store)	YES	NO	YES	YES	YES	YES	YES	YES
Remote desktop access (access to apps and data on desktop from smartphone or tablet)	YES	NO	YES	YES	NO	YES	NO	YES
Supports native iOS app controls	YES	NO	YES	YES	YES	YES	YES	YES
Supports native Android Enterprise app controls	YES	YES	YES	YES	YES	YES	YES	YES
Can deploy apps to unmanaged devices	YES	NO	YES	YES	YES	YES	YES	YES

Security

	BlackBerry	**Google**	**IBM**	**Ivanti**	**ManageEngine**	**Microsoft**	**Sophos**	**VMware**
Product Name(s)	BlackBerry Spark UEM	Google Endpoint Management	IBM Security MaaS360 with Watson	Ivanti Neurons for UEM	ManageEngine Desktop Central	Microsoft Endpoint Manager	Sophos Mobile and Sophos Intercept X for Mobile	VMware Workspace ONE
Secure web browser	YES	YES	YES	YES	YES	YES	YES	YES
Application deny/allow lists	YES	YES (allow list)	YES	YES	YES	YES	YES	YES
Data loss prevention (DLP)	YES	YES	YES	YES	YES	YES	YES	YES
Email attachment DLP	YES	YES	YES	YES	YES	YES	YES	YES
Device compromise detection (jailbreak/rooting)	YES	YES	YES	YES	YES	YES	YES	YES
Device-level encryption	YES	YES	YES	YES	YES	YES	YES	YES
Encrypted folders	YES	NO	YES	YES	NO	YES	YES	YES
Encrypted email attachments	YES	YES	YES	YES	YES	YES	YES	YES
Encrypted email message body	YES	YES	YES	YES	YES	YES	YES	YES

Security *(continued)*

	BlackBerry	Google	IBM	Ivanti	ManageEngine	Microsoft	Sophos	VMware
Product Name(s)	BlackBerry Spark UEM	Google Endpoint Management	IBM Security MaaS360 with Watson	Ivanti Neurons for UEM	ManageEngine Desktop Central	Microsoft Endpoint Manager	Sophos Mobile and Sophos Intercept X for Mobile	VMware Workspace ONE
Geofencing	**YES** (via CylancePERSONA and via ISV partners)	**YES** (through Context-Aware Access)	**YES**	**YES**	**YES**	**YES**	**YES**	**YES**
Time fencing	**YES** (via CylancePERSONA and via ISV partners)	**YES** (through Context-Aware Access)	**YES**	**YES**	**YES**	**NO**	**YES**	**YES**
VPN	**NO**	**YES**	**YES**	**YES**	**YES**	**YES**	**NO**	**YES**
Mobile VPN	**YES** (proprietary non-VPN secure connectivity, per-app VPN, and ZTNA via CylanceGATEWAY)	**YES**	**YES**	**YES**	**YES**	**YES**	**YES**	**YES**
App-level micro VPN	**YES**	**NO**	**YES**	**YES**	**YES**	**NO**	**YES** (in combination with Sophos XG Firewall)	**YES**
Multifactor device/app authentication (token-based, facial recognition, client access card support, etc.)	**YES**	**YES**	**YES**	**YES**	**YES**	**YES**	**YES**	**YES**

Security *(continued)*

	BlackBerry	Google	IBM	Ivanti	ManageEngine	Microsoft	Sophos	VMware
Product Name(s)	BlackBerry Spark UEM	Google Endpoint Management	IBM Security MaaS360 with Watson	Ivanti Neurons for UEM	ManageEngine Desktop Central	Microsoft Endpoint Manager	Sophos Mobile and Sophos Intercept X for Mobile	VMware Workspace ONE
Malware detection	YES	YES	YES	YES	YES	YES	YES	YES
Includes firewall	YES	NO	YES	YES		YES	NO	YES
Single sign-on support	YES	YES	YES	YES	YES	YES	YES	YES
Risk-based authentication	YES	YES	YES	YES	YES	YES	NO	YES
Behavioral biometric authentication	YES	YES	YES	YES (via partners)	NO	YES	NO	YES
Identity-based policy enforcement across multiple devices	YES	YES	YES	YES	YES	YES	NO	YES

Document/Content Management

Product Name(s)	BlackBerry	Google	IBM	Ivanti	ManageEngine	Microsoft	Sophos	VMware
	BlackBerry Spark UEM	Google Workspace	IBM Security MaaS360 with Watson	Ivanti Neurons for UEM	ManageEngine Desktop Central	Microsoft Endpoint Manager	Sophos Mobile	Workspace ONE Content, Workspace ONE Boxer
Encrypted document container	YES	YES	YES	YES	YES	YES	YES	YES
Secure email	YES	YES	YES	YES	YES	YES	YES	YES
File server access	YES	YES	YES	YES	NO	YES	YES	YES
Secure SharePoint access	YES	NO	YES	YES	YES	YES	YES	YES
Integrates with enteprise document management software	YES	YES	YES	YES	YES	YES	YES	YES

Network Management

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

Service Management

	BlackBerry	Google	IBM	Ivanti	ManageEngine	Microsoft	Sophos	VMware
Product Name(s)	BlackBerry Spark UEM	Google Endpoint Management	IBM Security MaaS360 with Watson	Ivanti Neurons for UEM	ManageEngine Desktop Central	Microsoft Endpoint Manager	Sophos Mobile	VMware Workspace ONE, VMware Workspace ONE Assist
Help desk support management	YES	NO	YES	YES	YES	YES	NO	YES
Service monitoring	YES	NO	YES	YES	YES	YES	YES	YES
Remote control of device	YES (via ISV partner)	NO	YES	YES	YES	YES	YES	YES
User self-service portal	YES	YES	YES	YES	YES	YES	YES	YES
Chatbot support	YES	NO	YES (via MaaS360 Assistant)	YES (provided in the ITSM)	YES	NO	NO	YES

Reporting

Product Name(s)	BlackBerry	Google	IBM	Ivanti	ManageEngine	Microsoft	Sophos	VMware
	BlackBerry Spark UEM	Google Endpoint Management	IBM Security MaaS360 with Watson	Ivanti Neurons for UEM	ManageEngine Desktop Central	Microsoft Endpoint Manager	Sophos Mobile	VMware Workspace ONE
Alerts	YES	YES	YES	YES	YES	YES	YES	YES
Automated responses to alerts	YES	YES (MDM rules)	YES	YES	YES	YES	YES	YES
Automated, scheduled report delivery	YES (also via partners)	NO	YES	YES	YES	YES	YES	YES
Real-time dashboards	YES	YES	YES	YES	YES	YES	YES	YES
Device-level analytics	YES	YES	YES	YES	YES	YES	YES	YES
App-level analytics	YES	NO	YES	YES	YES	YES	YES	YES
Can leverage aggregate data across customer base for insights/ best practices	YES	NO	YES	YES	NO	YES	YES	YES