MobiVisor MDM: Introduction of Android Enterprise

Use Android devices as company phones

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Android Enterprise
Silver partner

What is Android Enterprise?

Android Enterprise is a Google initiative that helps companies manage Android devices and apps in the business environment. It provides a platform for all types of Android devices—from smartphones and tablets to dedicated kiosk devices.

Benefits of Android Enterprise

Security:

Android Enterprise offers multi-layered security features, including:

- Physical security of non-tamperable hardware
- Security of the Android operating system
- Google Play Protect
- Ability for IT administrators to control policies in addition to MDM
- Verified system boot
- Encryption enabled by default
- App-Sandboxing
- Separate profiles that separate business and personal data

You can read more about Android Enterprise and security in our corresponding data sheet.

Flexible management options:

Android offers flexible administrative functions through a consistent management framework that can be used for all company-owned or employee-owned devices.

- **Bring Your Own Device (BYOD):** Enables the use of personal devices with a separate work profile for corporate data and apps. Ensures the separation of business and personal data and protects employee privacy. Read more in our BYOD data sheet.
- **Company-owned devices:**
  - **Company Owned Work Profile (COWP):** These are corporate devices that can be used for both corporate data and personal use with separate profiles. Read more in our COWP data sheet.
  - **For work only:** The device is used exclusively for business purposes and can be fully managed by the company's IT administrator. The device can be equipped with additional guidelines; personal use is not permitted.
  - **Dedicated device:** The device is used for specific tasks, e.g. in retail and operated in KIOSK mode.

Easy deployment:

Zero-touch enrollment enables automatic configuration of devices from version 9.0 for enterprise use, including security policies.

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Android Enterprise and MDM

Android Enterprise lays the foundation for the secure and efficient use of Android devices in enterprises, but only in combination with a Mobile Device Management (MDM) system does it reach its full potential. The strength of Android Enterprise lies in its management APIs, which enable IT administrators to enforce and monitor policies across devices. For complete and effective management of Android mobile devices via an MDM, Android Enterprise is essential.

Only with Android Enterprise can companies curate the Play Store to ensure employees have access to the applications they need while blocking unwanted apps. Furthermore, Android Enterprise enables detailed access rights to apps and data, which is crucial for security and compliance. Features such as Zero-touch registration enable quick and easy commissioning and installation of new devices.

The need for Android Enterprise in conjunction with MDM is that all MDM commands and policies run through the Android servers. Devices must be connected to these servers via Android Enterprise to receive and execute commands. This includes enforcing policies for work apps, performing Remote-Wipes and other important functions.

Note: Unfortunately, existing Android devices cannot be converted to Android Enterprise devices without a factory reset. Information on integrating your existing devices into an MDM can be found in our blog article: "Integrating existing Android devices into MDM."

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Apps for Android Enterprise

The **Managed Google Play Store** provides access to over one million apps and mirrors the familiar user interface of the private Google Play Store. IT administrators can securely distribute private and public applications, configure them remotely, and create a corporate app store. **Google Play Protect** is the world's largest mobile threat detection system, continuously scanning every device and checking more than 50 billion apps every day.

Android Enterprise Recommended Program

Android Enterprise Recommended (AER) is a seal of approval that includes a shortlist of devices and service providers that meet Google's strict enterprise requirements.

- **Tested devices**: AER offers curated and tested devices with regular security updates and at least one Android operating system upgrade.
- **Trusted partners:** A list of trusted partners that cover all aspects of the enterprise mobility lifecycle and help customers build scalable and reliable solutions.
- **Support for EMMs:** Assistance in selecting EMMs (Enterprise Mobility Management) and other partners to support mobile device management and deployment.

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