android

Android Management API:
The way to manage Android devices

The Challenge

Organizations are managing fast growing mobile fleets, with more employees working remotely or in a hybrid model. IT teams need all the tools they can get to enable their mobile workers and ensure they're operating in a secure and productive manner. And business leaders need dynamic ways to unlock even more business value from their investments in mobile.

The original way of managing Android Enterprise devices required Enterprise Mobility Management (EMM) providers to integrate with a myriad of Android APIs, Google libraries, and back-end services in an attempt to provide a cohesive, reliable management offering. The complexity of that model often meant longer wait times for EMM support for new Android Enterprise features and hard to debug integration issues that could affect customer environments, and brittle production support as each surface iterated and evolved independently.

Android Management API

Since 2018, the Android team have offered a new approach for management for EMM partners called Android Management API. This simple, powerful API, and its corresponding device policy client, supports all the latest features, best practices, and UX paradigms to power the most secure, powerful, and user-friendly Android management solutions. This ensures that customers get the fastest access to the complete set of Android Enterprise features in every new release, with recommended security and management configurations implemented by default and new features and improvements pushed every two weeks.

And with the addition of the Android Management API Extensibility framework, EMMs can now augment the cloud-based management capabilities to support a wider range of custom features to serve customers. With robust support for all Android Enterprise Recommended use-cases and beyond, Google strongly recommends all partners and customers adopt Android Management API for Android device management.

EMM console   Android Management API   Extension App   Device
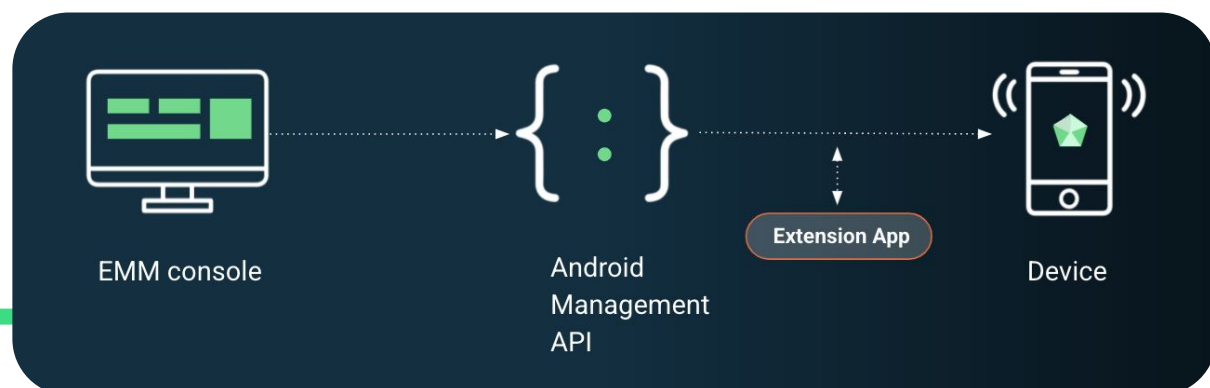
Fast and complete access
to all Android Enterprise features

With a management solution powered by Android Management API, customers can access the complete list of Android Enterprise features including all the latest security and management features in new OS releases on Day 1. This helps customers easily deploy more Android Enterprise features right away since the device policy client is updated automatically with each new OS release. And it helps customers better align their roll outs in the future based on planned availability of new features.

Best practices for security
and management and regular updates, implemented by the Android team at Google

Customers utilizing Android Management API can deploy consistently with Google recommended security management features and configurations implemented by default by the same team that builds the Android OS. This includes support for advanced Android Enterprise Recommended management features. The Android team also delivers new features and improvements arriving every two weeks.

Seamless, built-in user experience
### it's how Android was meant to be managed

With Android Management API, employees get a seamless, impactful experience that blends effortlessly into the OS. Users are able to get the most out of their device without the need for extensive documentation and close IT assistance. The effortless experience means fewer help tickets, cutting down on IT support costs while improving employee productivity and satisfaction.

Android Management
API Extensibility

Android Management API Extensibility enables EMMs to build an extension app to augment and adjust device management capabilities on the fly, using on-device signals to trigger immediate policy changes and introduce new business rules that go beyond what's possible with just Android Management API. This pairing of cloud-based simplicity and updateability with on-device immediacy and flexibility gives EMMs the power to support all the management needs of their customers.
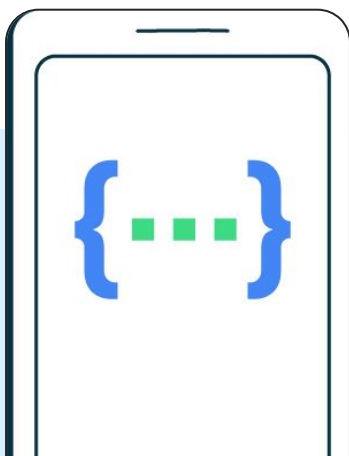
Conclusion

Android Management API is supported by numerous EMMs with additional management solutions coming each quarter. Talk to your EMM and ask about how to use management solutions powered by Android Management API.