

## Mobile apps you can build with SAP

Who would have imagined a decade ago that mobile applications can represent such a critical factor in the nowadays business world? They earned their tier as businesses of all shapes and sizes get work done faster and more efficiently thanks to these applications. It is an unbreakable chain between the employees' productivity and the success of a business, as the apps can make a big difference.

This is why app-building got so advanced that it [doesn't require code anymore](#). SAP Cloud Platform created a suite of tools available for mobile operating systems developers, which does the job for them in terms of coding.

How did SAP manage to do so? With lots of hard work, but the end-result benefits thousands of businesses. Below you will find more on the app-building tool that contributes to higher efficiency in many companies.

### Benefits of app-building tools

There are plenty of benefits of application development tools that are worth mentioning. However, let's take a look at the service that makes it easier than ever to build apps.

SAP Cloud Platform mobile services provide a solution called the Mobile Development Kit. This set of tools have a low code component, allowing developers and companies to build enterprise-ready mobile apps. It is a fast and efficient alternative to native apps development that allows enhanced collaboration between IT and business users, thanks to the minimized coding.

The platform comes together with three main features: Editor, Client, and Runtime/Administrator. Each of these enables developers to build and administrate apps efficiently and effortlessly, thanks to the skipped step of coding.

Here are some advantages:

- Lifecycle app management is simplified, which positively impacts user experience when apps require updates and changes;
- The learning curve gets lower while the developer's productivity gets higher;
- Integration with SAP Cloud Platform Mobile services allows integrating enterprise-ready features right from the start;

### **Developing Android apps using SAP**

Android apps are top-rated within enterprises' programs of app development, so SAP launched SAP Cloud Platform SDK for Android. It allows developers to build native Android apps, based on SAP, directly in Android Studio (a tool for developing Android apps).

SDK for Android is continuously upgrading, delivering more features and superior user experience from one version to another. It also streamlines the app building process for developers, allowing them to make use of SAP's enterprise services.

One significant advantage for developers is that the platform comes with pre-defined UX tools, allowing them to be more efficient in delivering expected results to end-users. The suite of tools incorporate key features like wiring the apps to other SAP platforms (like SAP Fiori), offline storage, push notifications, diagnostics, and security tools.

One of the latest releases of SDK for Android is the support for micro app development called SAP Mobile Cards, which acts as a useful handbook for users to perform tasks on the go.

### **IOS app development becomes more efficient with SAP**

SAP Cloud Platform is also available for mobile services on iOS, so its users can enjoy a list of benefits:

- The **design language** was created to keep the foundation of iOS app builder from Apple's Human Interface Guidelines. It includes UI elements that contribute to higher efficiency thanks to UI patterns and templates and access to back-end tasks. It allows developers to quickly access templates created in the past and connect different elements within a brand new app.
- **SDK for Android** allows developers to connect to back-end processes, which has data stored in the SAP Cloud Platform. Each app can be customized to apply specific security rules to protect the sensitive data of each business.
- **iOS technology** is present in a big part of the SDK so that developers can access familiar frameworks. It leads to higher performance and, thanks to the latest interface technologies, the end-users have their expectations exceeded.

This is why SDK keeps the basis of Swift - Apple's programming language, which is a meaningful benefit, as any developer can access the latest interface technologies while using an accessible and familiar API. The system comes with a Mac-based app and an Assistant that can guide the development steps and connect the app to the Cloud.

### Final Thoughts

SAP Cloud Platform is doing great at aligning two significant elements that impact the achievement of Digital Transformation: Cloud and Mobile. The time-efficiency is a requirement that comes from every business or developer, and SAP services provide new ways to develop and customize applications in the speed era.

[Get in touch](#) with a SE16N consultant if you want more details about how to leverage SAP tool in your company.