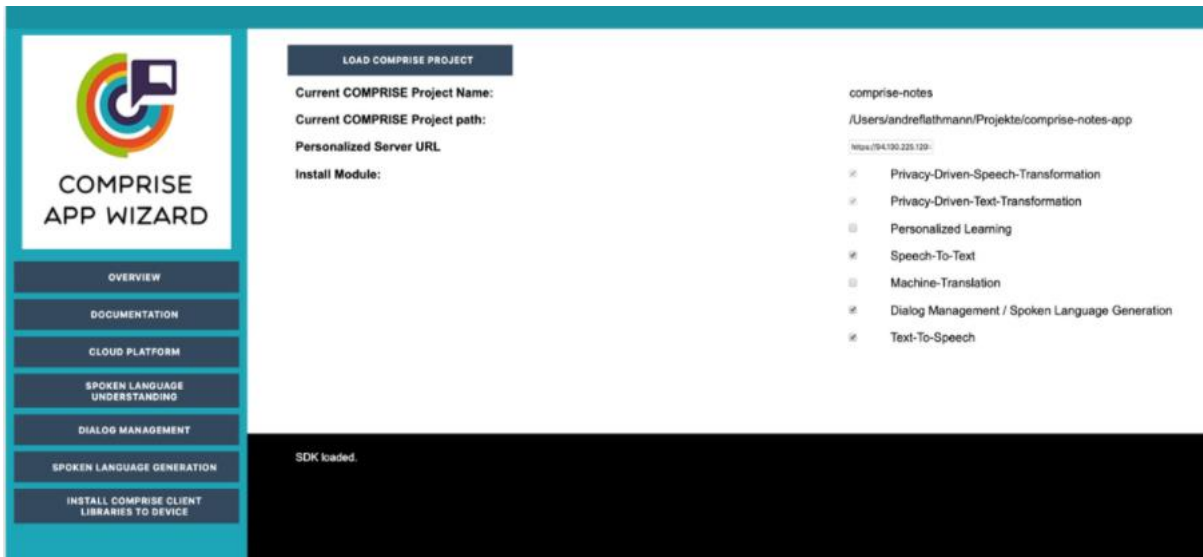


## Press release

# COMPRISE SDK has been released!



The joint efforts of the COMPRISE consortium continue bearing results as COMPRISE SDK has been released. With COMPRISE SDK, developers can create multilingual, voice-enabled applications in a faster, cost-effective, privacy-driven way.

### COMPRISE SDK main features

COMPRISE SDK provides a Client Library with all the functionalities required to build voice-enabled applications: Speech-to-text, Spoken Language Understanding, Dialog Management, Spoken Language Generation, and Text-to-Speech. On top of that, it offers unique functionalities developed within the COMPRISE Project, namely on-the-fly Machine Translation from the user's language into the dialog system's language, and the removal of private information from the user's voice input thanks to Privacy-Driven Voice and Text Transformations. Other innovative functionalities such as Model Personalization will be available soon. For processes not running on the device itself, COMPRISE SDK connects to a Personal Server, thereby preventing data theft.

COMPRISE SDK is implemented with the help of the Ionic framework, which uses Angular as a foundation. This enables the Client Library to be deployed on both Android and iOS devices. The SDK comes with a comprehensive documentation

and an App Wizard, which helps developers perform all necessary configurations in a quick and easy way.

### **Business impact**

COMPRISE SDK facilitates the development of applications in a multiplicity of languages. Internally, the user's native language is translated into the pivot language in which the dialog system has been developed. This ensures that users enjoy a similar experience, whether they speak a popular or a niche language. This in turn allows developers to address a wider range of application domains and serve their products to a wider number of countries around the world.

Thanks to the Ionic / Angular framework, all the functionalities included in the SDK share a common codebase, which can be deployed on multiple operating systems, like Android and iOS. This means developers do not need to implement native solutions for each operating system, which saves costs and time. COMPRISE SDK can be used in practically any application developed for the voice-enabled market.

The SDK is easy to use, as developers can make use of the COMPRISE App Wizard, which helps them attach the SDK to the devices and link other important resources such as model training on the COMPRISE Cloud Platform. Additionally, it allows developers to consult the documentation on how to use the SDK's API and functionalities properly in the code and helps them set up a Personal Server for all functionalities that do not run on device.

COMPRISE SDK is open source and available for other developers to customize, extend and improve. This ensures that the range of functionalities and the applicability of the solution will keep increasing over time, resulting in more efficient ways to create multilingual, voice-enabled, privacy-aware applications.

Applications built using COMPRISE SDK are especially suitable for customer groups who fear the abuse of their personal data, speak uncommon languages, or want to support multiple languages with the same quality. Amazon's Alexa, Google Assistant, and Apple's Siri also provide SDKs for developers, but none of them combines the above values as just described for COMPRISE SDK.

**Please check the comprehensive infographic on this new technology on our blog: <https://www.compriseh2020.eu/comprise-sdk/>**

Additionally, you can reach us via our social media accounts:

**LinkedIn:** <https://www.linkedin.com/company/comprise-h2020>

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