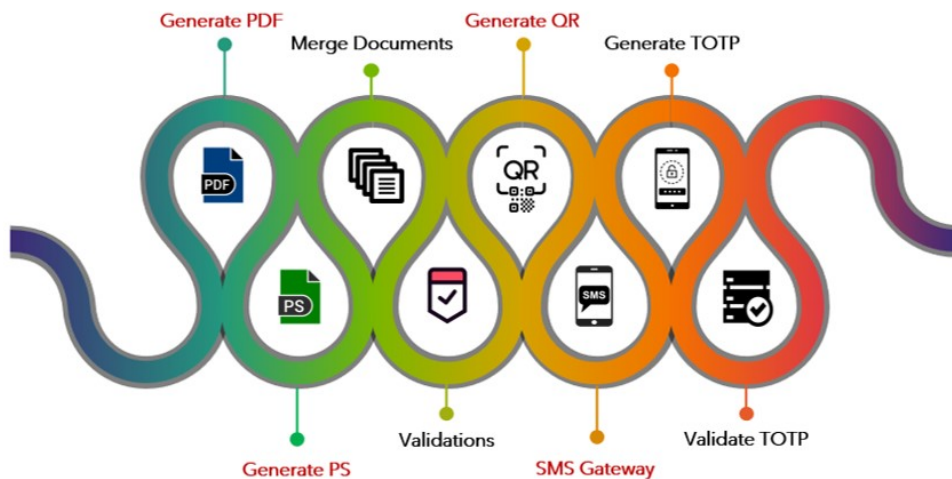## MICROSERVICES FOR SAP

Renda.io is a microservice platform for SAP ERP and S/4HANA.

It is a powerful SAAS platform from Arch delivering low cost, high value microservices to complement SAP development tools. With Renda.io you can accelerate your enterprise application development by using a powerful API library.

The service is free at low usage levels but even high usage is very affordable and economic. So, you can start small and build up with complete cost transparency.

DESIGNED FOR SAP DEVELOPERS

Every Renda.io microservice is designed for SAP developers. Detailed documentation and sample code for calling each API is supplied, including integrations for ABAP, SAPUI5 and CONVERSATIONAL AI scenarios.
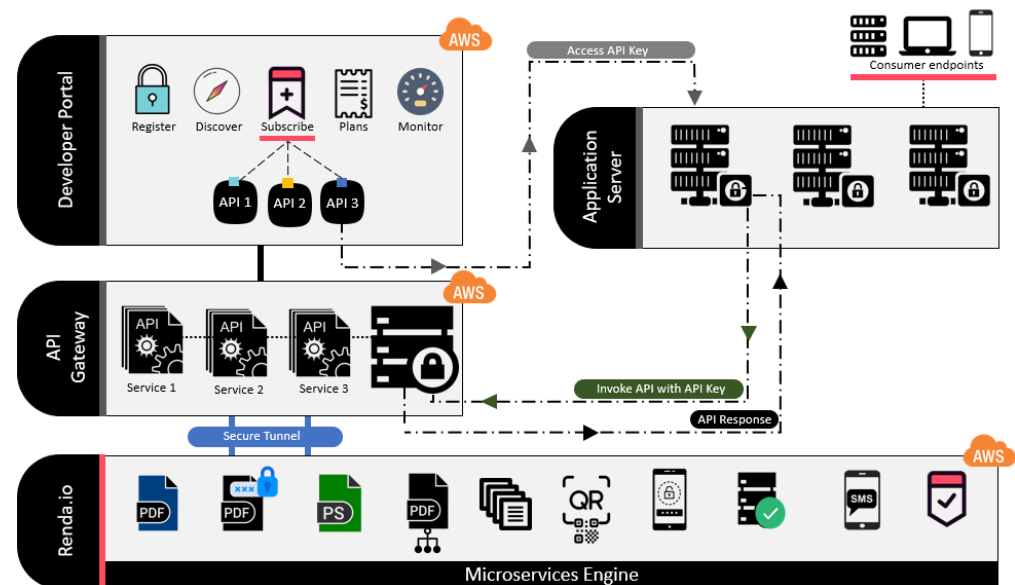
The library of services includes:

- Transform HTML to PDF
- Transform HTML to Postscript
- Generate QR barcode
- Generate One-time passcode
- Validate One-time passcode
- Send SMS

Full documentation for each service is included, with sample code for integration with SAP back-end applications, SAP Fiori applications and chatbots delivered using SAP conversational AI technology.

WORLD-CLASS, SCALABLE PLATFORM

The service runs on highly scalable and available secure servers from AWS using Lambda serverless computing. It is straightforward to set up and exploit.

RENDA.IO FOR FIORI PRINTING

There are many scenarios in which users want to capture the data from a Fiori app into a printed output or as a saved PDF document, in order to generate a physical or electronic document. This might be where a process requires a wet signature, or a separate audit needs to be captured.

With *Fiori Print Integration* you can enhance your Fiori apps to include a button to generate PDF. The Renda.io microservice will take the content in the currently displayed page and use this to generate the PDF document, returning this to the user in the browser. The user can then decide to save or print the document.

RENDA.IO FOR SAP OUTPUT

Many SAP output documents (such as order confirmations, purchase orders and customer statements) can now be easily built, managed and sent by email to business partners using **Arch Floe**. In some scenarios an electronic version of the output (PDF document) is required for audit or archive. In other scenarios a physical print may still be required.

With *PDF Integration* you can generate the PDF document output, using Floe for the design of the document and Renda.io for the document generation. This means that you can upgrade from the SAP legacy technologies such as SAPScript and SMARTFORMS, and put the task of document build in business users' hands instead of IT. Optionally, you can use Renda.io to add a password to the PDF document to make it secure.

Floe 210 automatically integrates with Renda.io, and for non-Floe output generation, sample code for both back-end (ABAP) and front-end (SAPUI5) scenarios is included.

RENDA.IO FOR BARCODES AND QR CODES

For processes that create documentation to be printed, shared in presentations or sent by email it can be really useful to use QR codes to direct users to web resources instead showing the URL path. In some cases the QR could be user-specific, directing them to a particular page with, for example, an encrypted customer number in the link.

With *QR Integration* you can dynamically generate the QR code image programmatically, so that it can be added into the document you are creating. The renda.io microservice takes a URL and returns the image. Sample code for both back-end (ABAP) and front-end (SAPUI5) scenarios is included.

RENDA.IO FOR ONE-TIME PASSCODES

In scenarios where users are not already authenticated, such as in websites and chatbots, it can be necessary to authenticate the user before sending or showing data using one-time passcodes (OTP).

With *TOPT Integration* you can add OTP generation and validation functionality to chatbots using SAP Conversational AI.

- The first renda.io microservice will generate the OTP, so it can be sent to the user by email or SMS.

- The second microservice will validate the OTP that the user enters into the chatbot or website.