Android Introduction
2.3.09 Web Services

Purpose

Liquid UI for Android leverages the power of web services to seamlessly integrate with external programs, enabling end-to-end integration for enhanced productivity. With this capability, you can effortlessly import data into SAP from various external sources such as Salesforce, Excel, PDF files, and more. Additionally, Liquid UI facilitates RFC calls, interaction with web services, and integration with databases like Oracle and SQL, providing unparalleled versatility in application usage.

Moreover, Liquid UI empowers screen functionalities to consume web services directly. For instance, it enables functionalities like providing turn-by-turn directions to a specific address or translating a German-language UI to English before transmitting data to SAP. These functionalities are achieved through the consumption of Google web services using simple scripting and Curl. Additionally, hyperlinks can be included in the UI to launch Safari and open any web page.

Pre-requisites

You need to add the following .dll files in the Liquid UI Server to access the required web service in the Liquid UI for Android.

- **wscurl.dll** facilitates web services through the wsCurl command. The wsCurl library is used with the load command to transfer data from a WS script to an external URL, such as Google Translate, Google Maps, etc.

  Click here for more information on wsCurl.

- **wsprint.dll** enables the use of printers through web script. It contains a set of libraries that allow access to and usage of printers from within Liquid UI WS scripts.

  Click here for more information on wsprint.

- **wsoffice.dll** is the set of libraries that enables you to extend the functionality and perform tasks that are not possible with the default implementation of WS.

  Click here for more information on wsoffice.

Following are the various web services supported on Liquid UI for Android:

Multi-language support.

Use familiar terminology and perform daily tasks in your local language. Language

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globalization enables the personalization of the UI and improves your user's acceptance. So everyone moves faster and stays productive.

GPS coordinates support.

Liquid UI for Android supports GPS coordinates input. With a long press, users can populate geographical coordinates on any SAP input field, enabling them to locate themselves on a map, determine distance/routing information, or plot business objects like a location.

HTML5 Support

The 1.2.203.0 release of the WS platform and the Web Server produces the HTML5 standard. However, if you are running the HTML5-compliant browser in the Liquid UI for Android. Then, you can utilize certain HTML5-only features in your WebUI interface to SAP.

Sending webmail Support

Liquid UI for Android allows you to send emails as per your requirements from SAP. It enables users to login to any mail server and access this feature from any SAP transaction.

Upload Excel

Liquid UI for Android allows you to upload the data from the Excel file to the SAP transaction with a single button click. This enables you to enter bulk data into SAP in no time and avoids data entry errors. Making it convenient for finance users to input data to SAP without actually needing to manipulate SAP itself.

Upload PDF

Liquid UI for Android allows you to upload PDF content to a given SAP transaction and modify/analyze it in PDF while providing error handling and data validations. The user can quickly input data into the PDF forms, pre-set fields, and upload the data to SAP with a single click. This streamlines the process of uploading similar types of data to SAP quickly and easily.

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