

# Temboo Makes It Easy to Interface with Hundreds of REST-ful Web Services with the SimpleLink SDK

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With internet-connected embedded devices, developers have the ability to tap into a massive offering of representational state transfer (REST)-ful application programming interfaces (APIs). REST-ful APIs are “hooks” that websites and services provide externally to share capabilities and information programmatically. For example, yahoo.com includes REST-ful APIs that allow external services and devices, such as an internet-connected sprinkler controller, to tap into their database to get the latest local weather information. By leveraging this REST-ful API, the sprinkler has additional awareness that may dynamically skip a watering session if it rains that day. Being able to leverage these REST-ful APIs allows embedded developers to include additional intelligence and capabilities into their connected applications.

A few other examples for developers:

- If your embedded application needs to know the status of a package, you can use FedEx’s “get delivery status” API.
- If you need to send an SMS/text message when a sensor value exceeds a threshold, you can use Twilio’s APIs.
- If you want to data-log your sensor values into a Google spreadsheet, you can use Google’s APIs to append a row.

And with TI internet-connected SimpleLink™ products, you can leverage REST-ful APIs to include additional intelligence and functionality into your embedded applications.

TI collaborated with [Temboo](#) to help developers interface with various REST-enabled websites and services. Temboo is an Internet of Things (IoT) partner that can generate application code based on the SimpleLink software development kit (SDK), enabling your internet-connected SimpleLink device to take advantage of hundreds of different REST APIs. The [CC3220S](#) and [CC3220SF](#) SimpleLink Wi-Fi devices are supported by Temboo today, with future device support in the works.

## Temboo Supports Hundreds of Web Interfaces

Temboo enables the speedy generation of SimpleLink SDK-based application code, enabling your internet-connected SimpleLink device to interface with hundreds of web interfaces. Temboo supports code generation that enables your CC3220S/CC3220SF device to interact with familiar services from Yahoo, Google, Twilio, Nexmo, Wolfram Alpha and more.

## Additional Resources

- Watch the TI training video, “[Temboo machine-generates code to rapidly develop IoT applications on SimpleLink Wi-Fi MCUs.](#)”
- Get started with [SimpleLink Academy](#).

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