

API Test Designer

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API (Application Programming Interface) testing is focuses on testing the interfaces or communication channels between different software components or systems.

APIs enable software applications to communicate with each other, and are used extensively in modern software development, especially in the context of web applications and cloud-based services. APIs allow developers to access data, functionality, and services provided by other systems, and to integrate their own applications with those systems. API testing is useful if there is no UI or you need to validate an API by testing the input and output values and fields.

API testing allows you to automate complex tasks with no need for Java Script Coding, and also allows the use of REST and SOAP calls.

SOAP

SOAP (Simple Object Access Protocol) is a message protocol that enables the distributed elements of an application to communicate. SOAP can be carried over a variety of standard protocols, including the web-related Hypertext Transfer Protocol (HTTP).

RESTful API

REST stands for REpresentational State Transfer. A RESTful API is an architectural style for an application program interface (API) that uses HTTP requests to access and use data. That data can be used to GET, PUT, POST and DELETE data types, which refers to the reading, updating, creating and deleting of operations concerning resources.

REST API works pretty much as a website does, you make a call from a client to a server, and you get a response through HTTP.

A dedicated training course on API Testing is available as part of Appvance's training offerings. See the [Appvance Training page](#) for more information.

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If you have any feedback on this topic, please contact us at documentation@appvance.ai

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