

Rest API

What is a rest API

A Rest API also known as a RESTful API is a type of API known for being contained to the style and architecture REST and interacting with RESTful web services. REST stands for Representational State Transfer.

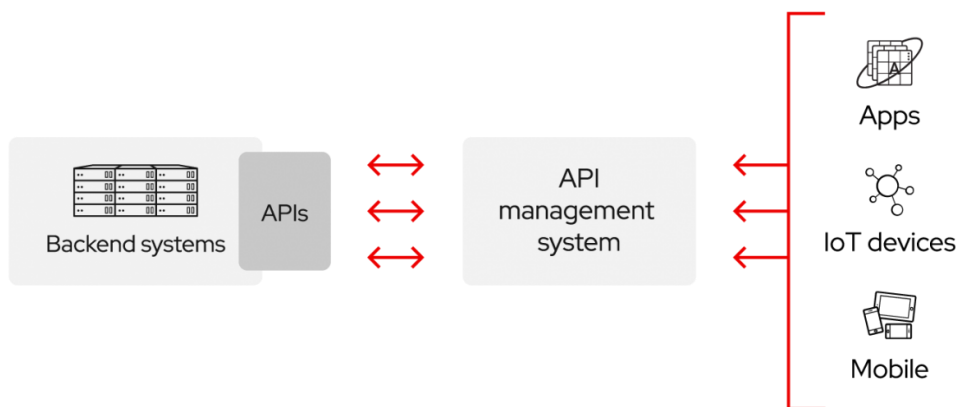
What is REST architecture?

What is an API?

API stands for Application Programming Interface, which defines the rules or p you will go through in order to communicate with other software systems. It allows an application to communicate with another application without knowing how the application is implemented. This allows for development to be more efficient and less time-consuming. API in other words helps to simplify how developers integrate new applications.

How do API's work?

APIs are a simplified way of connecting to one's own infrastructure through cloud-native app development. They allow the company to share data with other external users and companies.



Rules of an Rest API

1. Client-Server Separation
2. Uniform Interface
3. Stateless
4. Layered system

5. Cacheable
6. Code on Demand (optional)

What is the point of a REST api

1. Roy Fielding introduced the framework in 2000 and now it shapes how we transfer content online. Most of the big companies we know of using this sort of architecture like YouTube, Facebook, Google, etc.
2. The framework is flexible, because it can handle many kinds of requests and send data in different formats
3. The framework is scalable. The Api is made to communicate between two pieces of software regardless of capabilities and size, meaning that as the website gains more resources it can adapt quickly.
4. REST Api's are relatively easy to build because they incorporate existing web Technologies

Existing REST Api's

[Twitter](#)

The Twitter API lets third-party applications read and write data. Use it to write and post tweets, share tweets, and read profiles. This API is especially effective for downloading and analyzing large amounts of tweets about specific topics. [Learn more about using Twitter's API in our guide.](#)

[Instagram](#)

The Instagram Basic Display API offers access to profile information, photos, and videos. [You can utilize this API](#) and others to build apps that pull this user information and integrate it into your own product. Instagram also has a [Graph API](#) available for professional Instagram accounts to manage their online activities.

[Spotify](#)

Spotify's web API allows clients to request information about artists, songs, albums, and playlists on its platform. You can also use it to add songs to playlists, pause and play music, shuffle songs