



Web Services: **API** and **YouTube**.



Durante Samuele Orazio



What is a Web Service?

1

Web Services

Definition

Web services are a key component in achieving **interoperability** between applications and systems on the web, allowing them to **communicate** and share data seamlessly. They play a **crucial** role in the development and operation of modern web applications.





Benefits/Properties of Web Services

1

Interoperability

2

Loose Coupling

3

Location Transparency

4

Communication Protocols

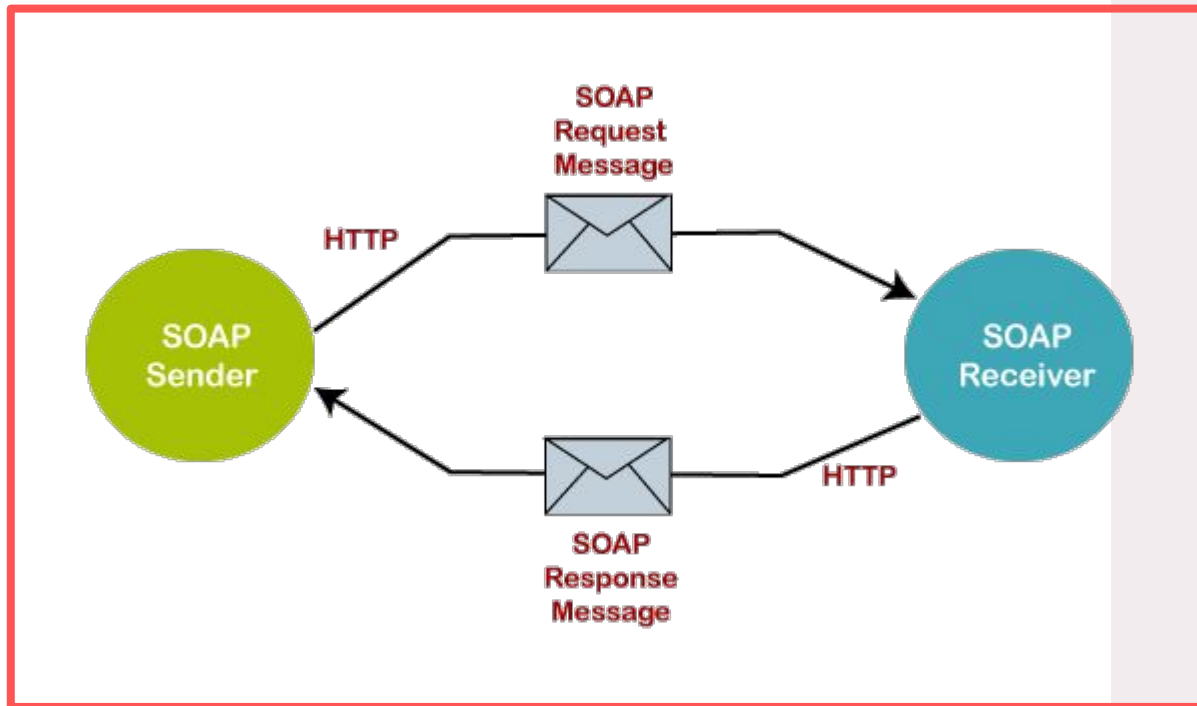


Difference between SOAP and REST

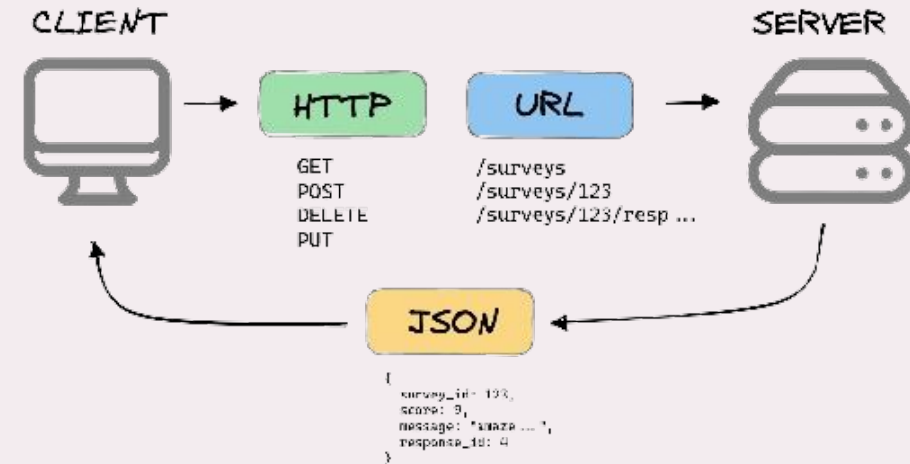
2

2 approach, 2 scenarios

SOAP



REST



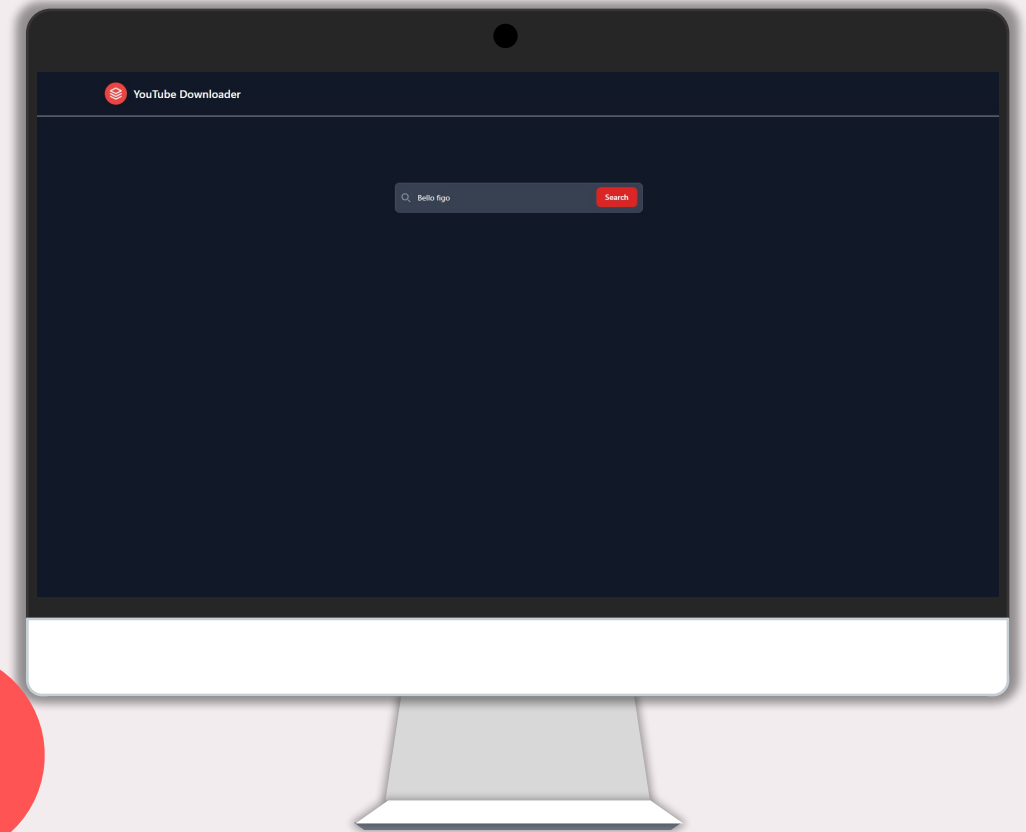


NOW
My app



Youtube Downloader

It is a software that allows to search for videos on YouTube and the ability to download them in various formats and qualities.





Client



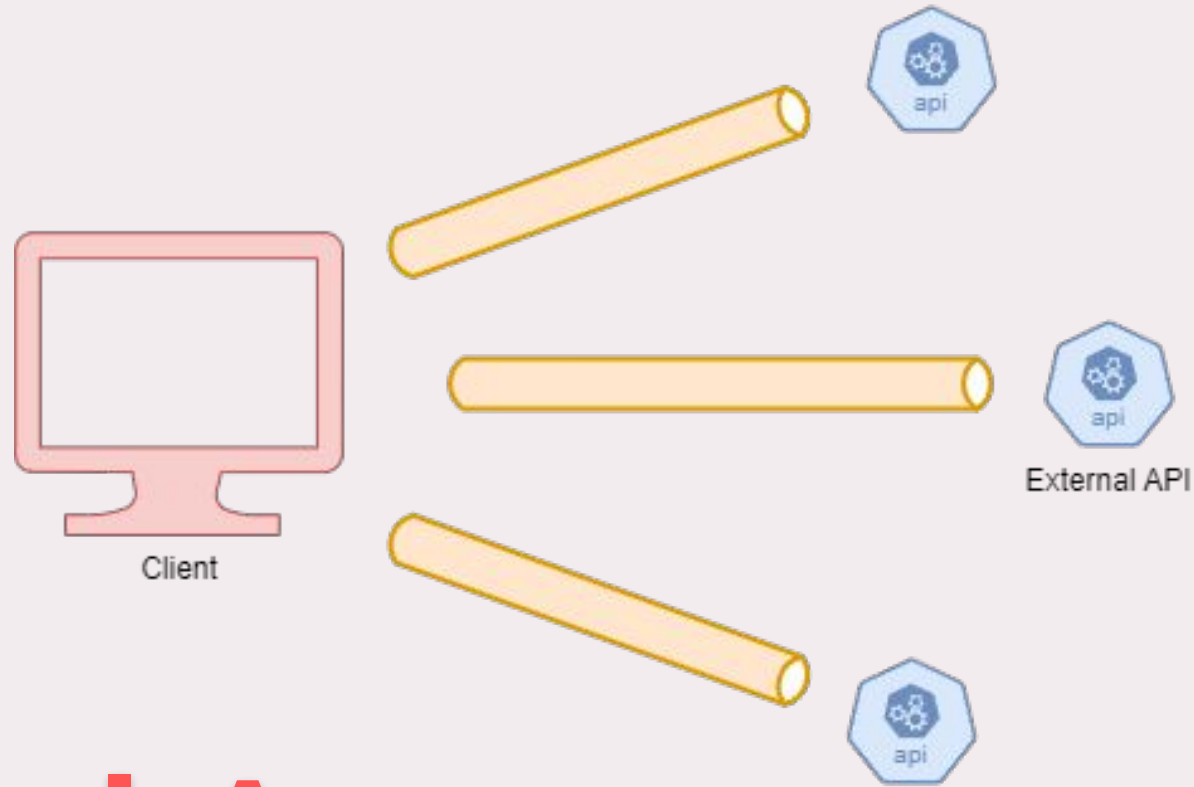
My API



External API



My App Scheme



Normal App Scheme



NOW
a demo



NOW
the code