

28 mai 2025

Requet avec JSON.  
(API).

1-) Exposé sur la représentation JSON.

2-) Module requests

---

Pratique.

Collecte de données Météo  
à travers un service REST

---

TP: Démarrage du projet de session.

Fielen



BD R

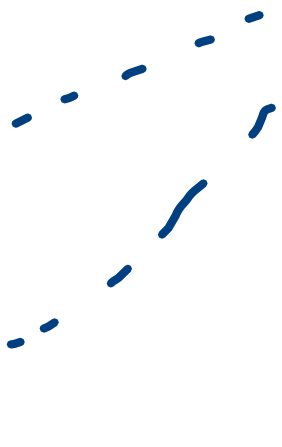


(SQLite)

API

web  
scraping

src



Client Consumer

Fournisseur  
Server App



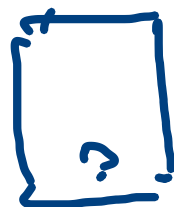
navigateur

request

request (Data)

API  
key

Data: response



Client

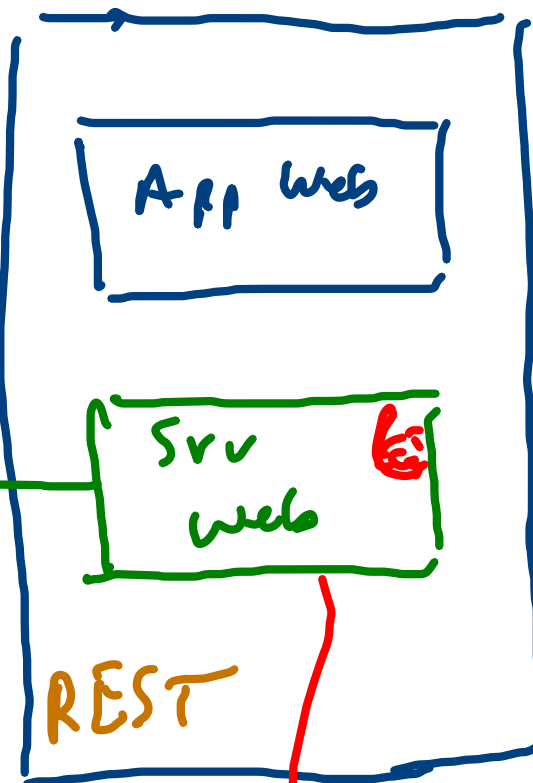
Data  
Service



API

Accès  
au Data

Appels  
API

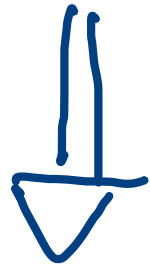


Traffic  
votre  
- Verif

Service de  
fourniture de  
Données

Service SOA

Service oriented  
Architecture



Web Services

Implementation.

Legacy

Key Fielding

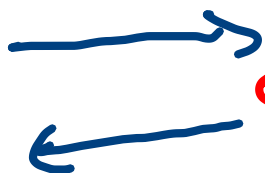
SOAP

Srv.

REST



Client



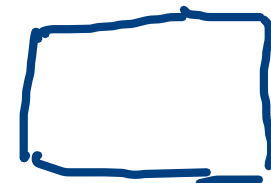
Message  
XML



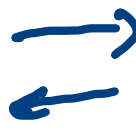
Calculate()

Endpoint

WSDL



Client



JSON

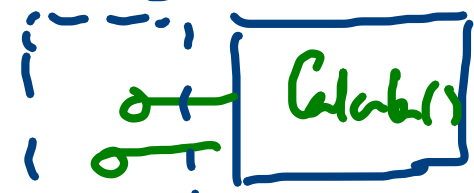
Verbs

CRUD

C ING  
R SEL  
U Upd  
D Delet

POST ✓  
GET ✓  
PUT ✓  
Delete ✓

API



Service

endpoint

URI

dict  
pyth.

Etape.

1-1 Identifier service.

2-1 Trouver URI qui nous intéresse

3-1 Faire la collecte.

4-1 Extraire la donnée qui nous intéresse. } Parsing

Client

Memoire



JSON  
{.....}

Server

deserialisation



obj x

objet  
Article  
description: Bourbon  
prix: 1.65  
qte: 100

Serialiser

{ "description": "Bourbon",  
"prix": 1.65,  
"qte": 100 }

obj = Article( 'Bourbon',  
                  1.65,  
                  100 )

SERDER

Toto:

obj = Toto( titre = 'flou-flou',  
note = 90 )

Serialize

vars ( obj )  $\Rightarrow$   $\left\{ \begin{array}{l} \text{"titre": "flou-flou",} \\ \text{"note": 90} \end{array} \right.$