



POSTMAN

API TESTING

CON **POSTMAN**

Esteban Balvin



Contenido

01

Bienvenida al curso y recomendaciones

Introducción del tutor y algunas sugerencias para mejorar la experiencia de aprendizaje con el curso

02

Introducción rápida al API testing

Fundamentos de API testing antes de empezar con Postman

03

Instalacion y primeros pasos

El paso a paso de la instalación de la herramienta, exploración de opciones de la interfaz y creación de la primera petición API

04

Creación de API requests

Creación de API request, CRUD de ejemplos reales de Mystore API

05

Autenticación de APIs

Como autorizar las API requests?, veamos algunos tipos de autenticacion

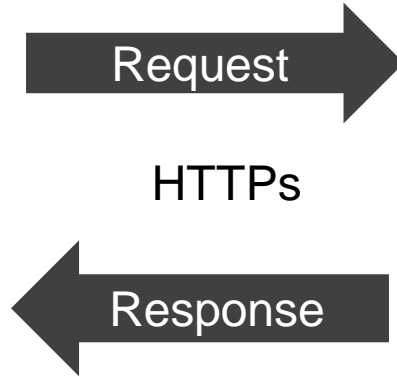
Manejo de Variables

Como reutilizar variables en postman que tipos hay?

A close-up, shallow depth-of-field photograph of a person's hands typing on a laptop keyboard. The hands have light-colored nail polish. A large, semi-transparent white circle is centered over the keyboard, containing the word 'Bienvenidos' in a bold, black, sans-serif font. To the right of the circle, there are three red circles of varying sizes, arranged in a cluster. The background is blurred, showing more of the laptop and the person's arms.

Bienvenidos

Anatomía de una API request



Anatomia de una API request



REQUEST →

Address

Request Method

Headers

Body



← RESPONSE

Status code

Headers

Body

Anatomia de una API request



Headers

Body



The Parish and Diocese of the Church of England
The Parish and Diocese of the Church of England
The Parish and Diocese of the Church of England

The Parish and Diocese of the Church of England
The Parish and Diocese of the Church of England
The Parish and Diocese of the Church of England

The Parish and Diocese of the Church of England
The Parish and Diocese of the Church of England
The Parish and Diocese of the Church of England

The Parish and Diocese of the Church of England
The Parish and Diocese of the Church of England
The Parish and Diocese of the Church of England

The Parish and Diocese of the Church of England
The Parish and Diocese of the Church of England
The Parish and Diocese of the Church of England

The Parish and Diocese of the Church of England
The Parish and Diocese of the Church of England
The Parish and Diocese of the Church of England

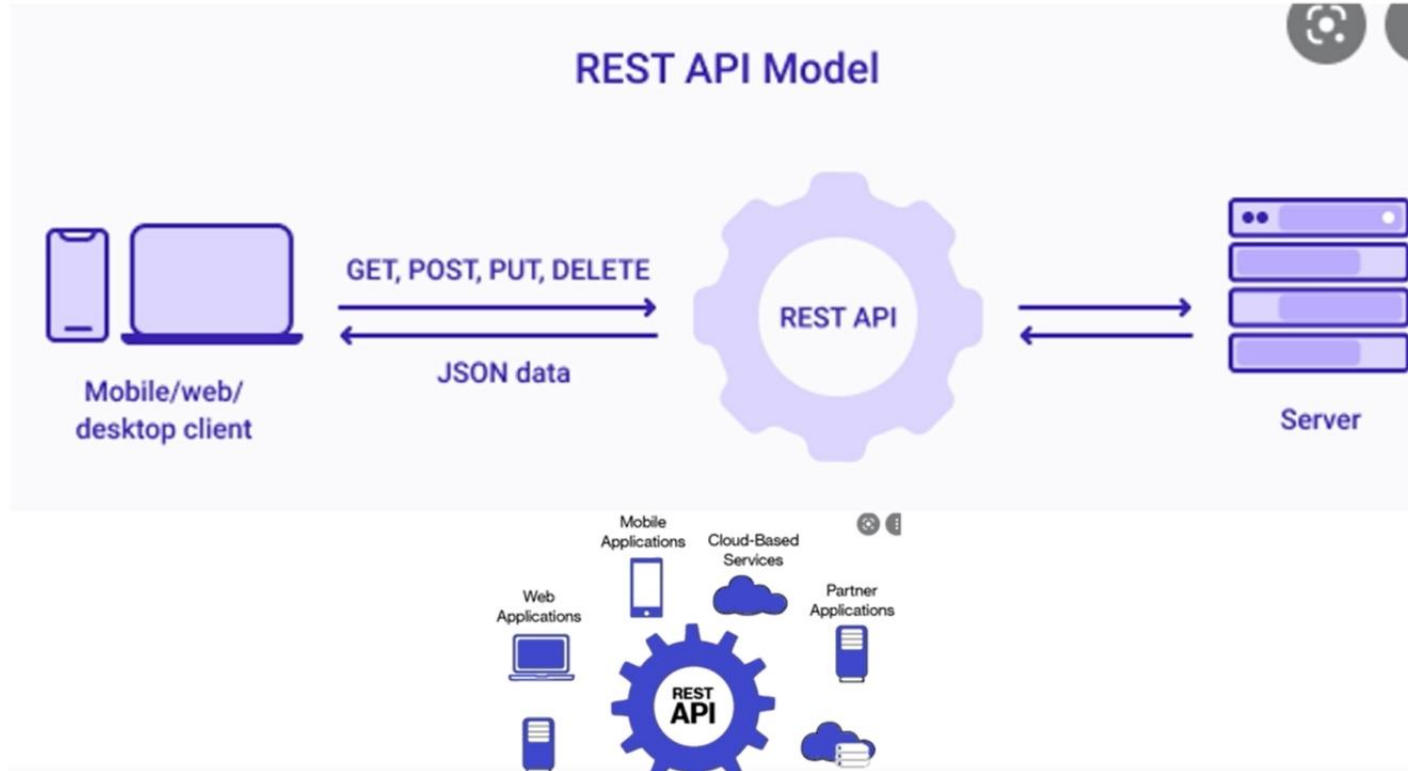
GET

<https://reqres.in/api/users>

Request Method
URL/address

Que son las API rest?

Rest: Representational state transfer



API Rest – Métodos HTTP



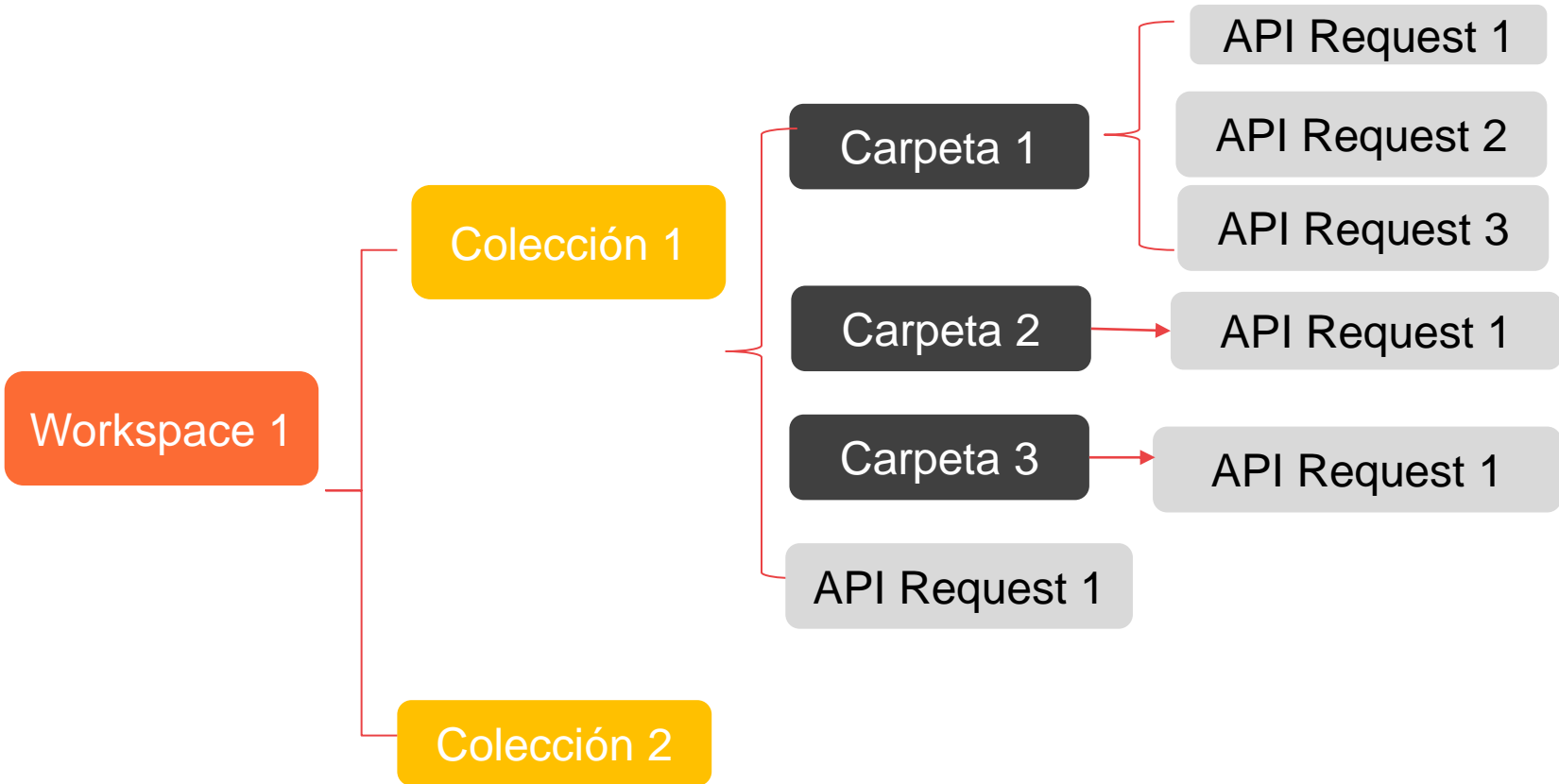
Los principales métodos soportados por HTTP y por ello usados por una API REST son:

- POST: crear un recurso nuevo.
- PUT: modificar un recurso existente.
- GET: consultar información de un recurso.
- DELETE: eliminar un recurso determinado.
- PATCH: modificar solamente un atributo de un recurso.

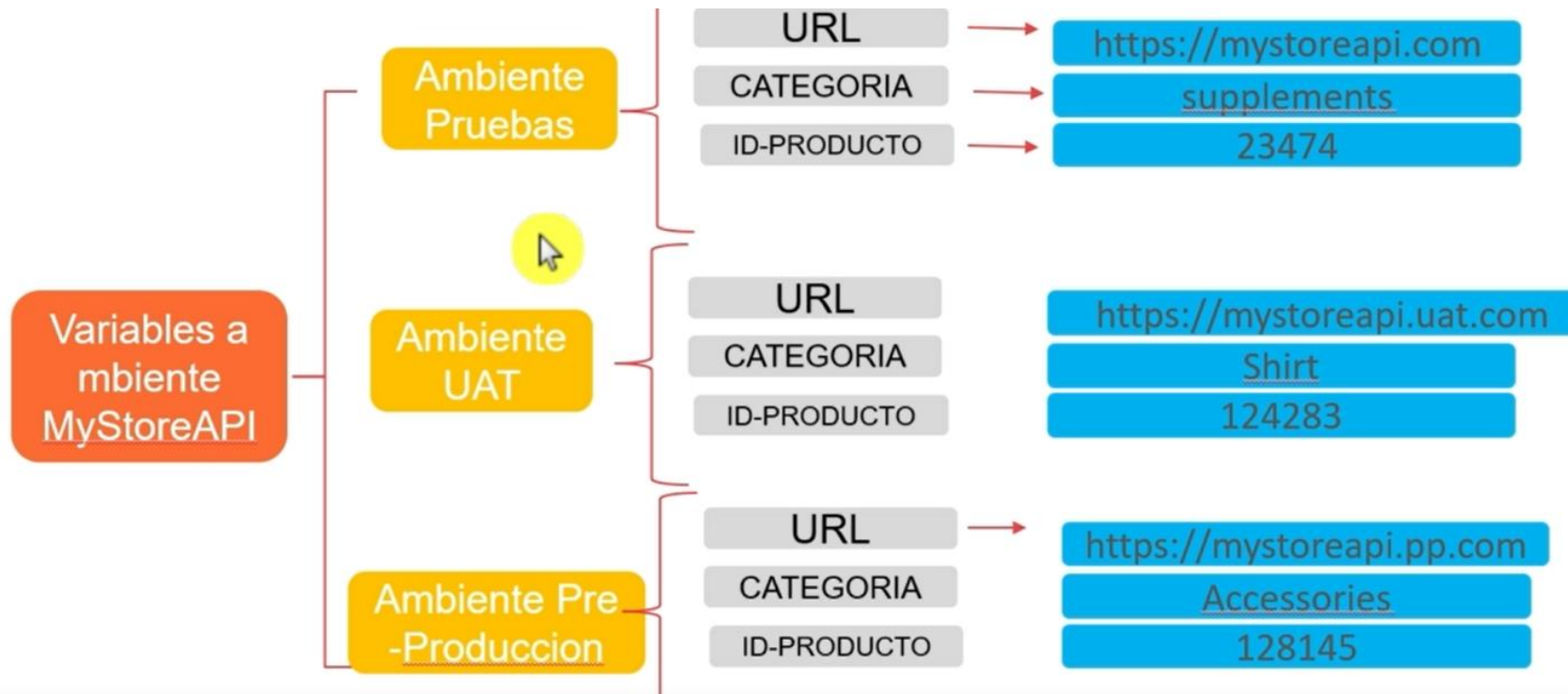
A screenshot of the 'My Store API' documentation page. The page has an orange header with a storefront icon and the text 'MY STORE API'. Below the header, it says 'My Store API 1.0 OAS3'. A description reads: 'An API to manage the product catalog and orders in my store. [Download OpenAPI 3.0 Spec](#). This API is open and free to use.' There is a 'Servers' section with a dropdown menu showing 'https://mystoreapi.com'. The main content is titled 'Catalog' and lists several endpoints with their methods and descriptions:

- GET** /catalog/categories Get all the different product categories in the store
- GET** /catalog/products Get all products in the store
- GET** /catalog/category/{category}/products Get all products in a given category the store
- GET** /catalog/product/{id} Get a single product by ID
- DELETE** /catalog/product/{id} Delete a product from the store
- POST** /catalog/product Create a new product in the store

Manejo de Workspaces



Manejo de variables de ambiente



Formato JSON explicado



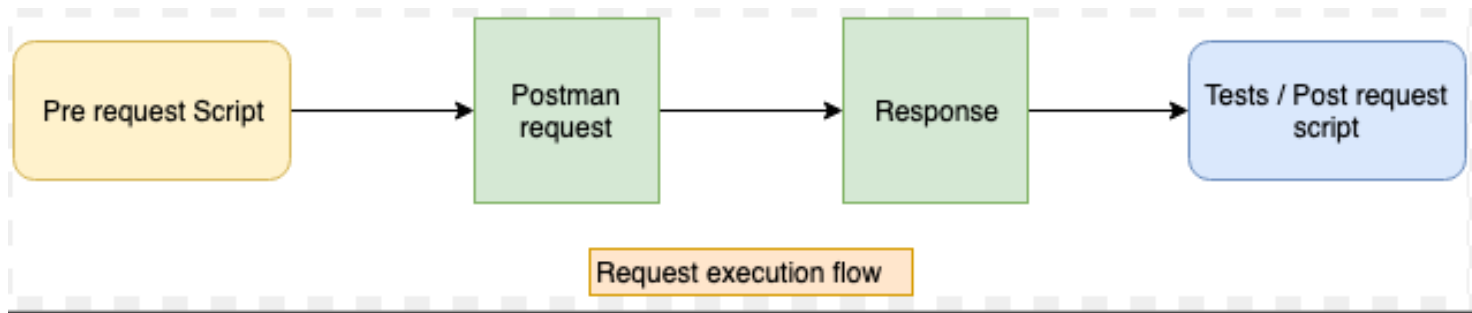
Object

```
{  
  creationDate : 2015-11-20T23:19:43.701Z,  
  modifiedDate : 2015-11-20T23:19:43.701Z,  
  name : demo,  
  members : [  
    {name : first},  
    {name : second},  
    {name : third}  
  ]  
}
```

← Name-value pair
comma separated

Array
containing objects with a name-value pair

Orden de ejecución de scripts



Curso de API testing Postman - Esteban Balvin / Clase 25-MyPetStore (PreReqScripts+VariablesDinamicas) / API crear usuario

POST <https://petstore.swagger.io/v2/user/createWithArray>

Params Authorization Headers (8) Body Pre-request Script **Tests** Settings

```
1 pm.test("Status code is 200", function () {
2   pm.response.to.have.status(200);
3 });
4
5
```