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Exposición:

# Protocolo HTTP

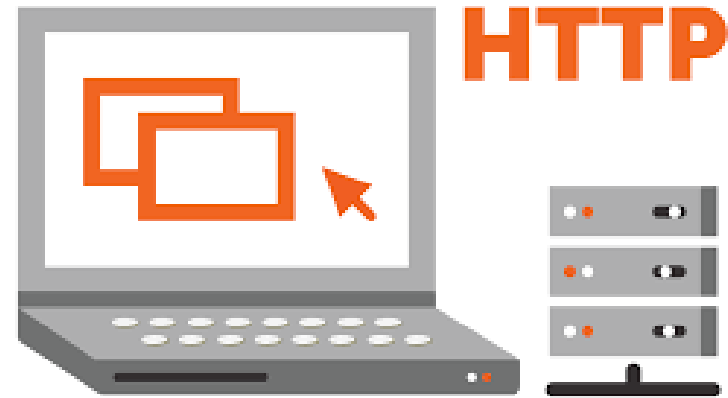


# TEMAS:

- Protocolo HTTP y ¿Que es?
- Peticiones en una API
- Métodos HTTP
- Códigos de estado HTTP
- Ejemplos
- Diferencias entre HTTP y HTTPS

# Protocolo HTTP

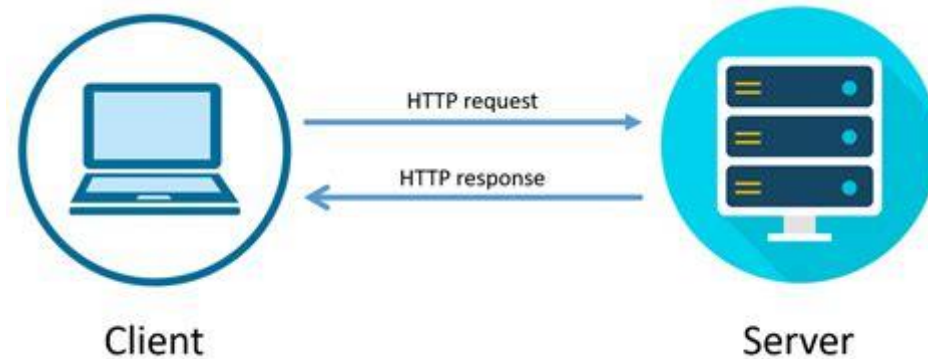
HTTP (Hypertext Transfer Protocol) es el protocolo de transferencia de hipertexto usado en cada transacción de la World Wide Web.



# Peticiones de una API

El protocolo HTTP funciona a través de solicitudes y respuestas entre un cliente y un servidor.

A una secuencia de estas solicitudes se les conoce como una sesión de HTTP.



# Métodos HTTP

El protocolo http tiene varios métodos, básicamente son formas de hacer peticiones, lo que hace un método es indicar la acción que desea que efectué sobre el recurso utilizado, se encuentran varios, pero mayormente encontramos los siguientes: Get, Post, Put, Delete

**GET**

CONSULTAR-SOLICITAR

**Post**

INGRESAR-ENVIAR

# Métodos HTTP

Put

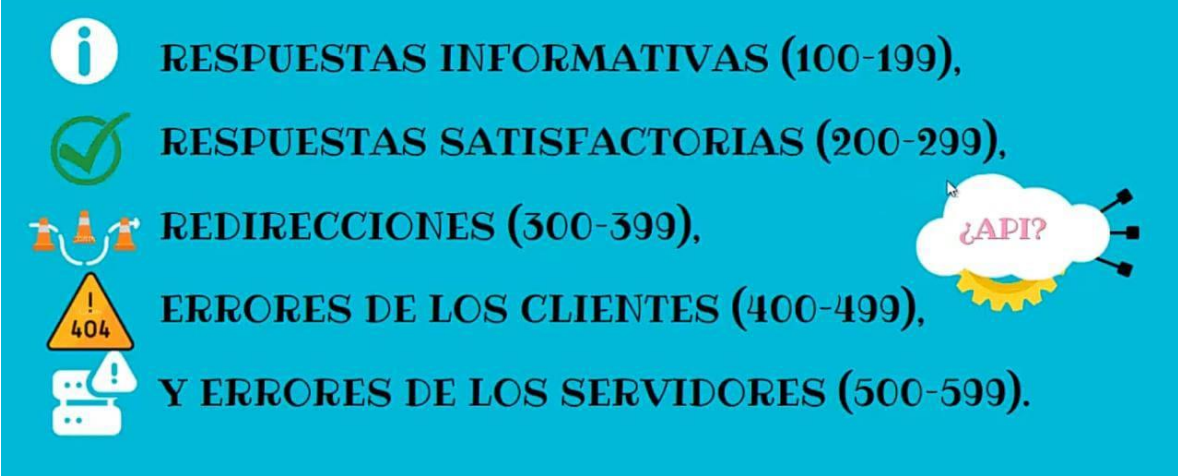
ACTUALIZAR

Delete






BORRAR-ELIMINAR


# Códigos de estado

Al realizar cada una de las anteriores peticiones se recibe un código de estado:



Infographic showing HTTP status code ranges with corresponding icons:

-  **RESPUESTAS INFORMATIVAS (100-199),**
-  **RESPUESTAS SATISFACTORIAS (200-299),**
-  **REDIRECCIONES (300-399),**
-  **ERRORES DE LOS CLIENTES (400-499),**
-  **Y ERRORES DE LOS SERVIDORES (500-599).**

Additional icon:  ¿API?





# GET

## Ejemplos

The screenshot shows the Postman interface with a GET request configured. The URL is `https://ge0eef664d9e3ed-db202109240932.adb.sa-santiago-1.oraclecloudapps.com/ords/admin/machine/machine`. The request is sent, and the response is displayed in the 'Body' tab, showing a JSON array of two machine objects.

**Request Details:**

- Method: GET
- URL: `https://ge0eef664d9e3ed-db202109240932.adb.sa-santiago-1.oraclecloudapps.com/ords/admin/machine/machine`
- Headers (6):
- Body: (Empty)
- Pre-request Script: (Empty)
- Tests: (Empty)
- Settings: (Default)

**Response Details:**

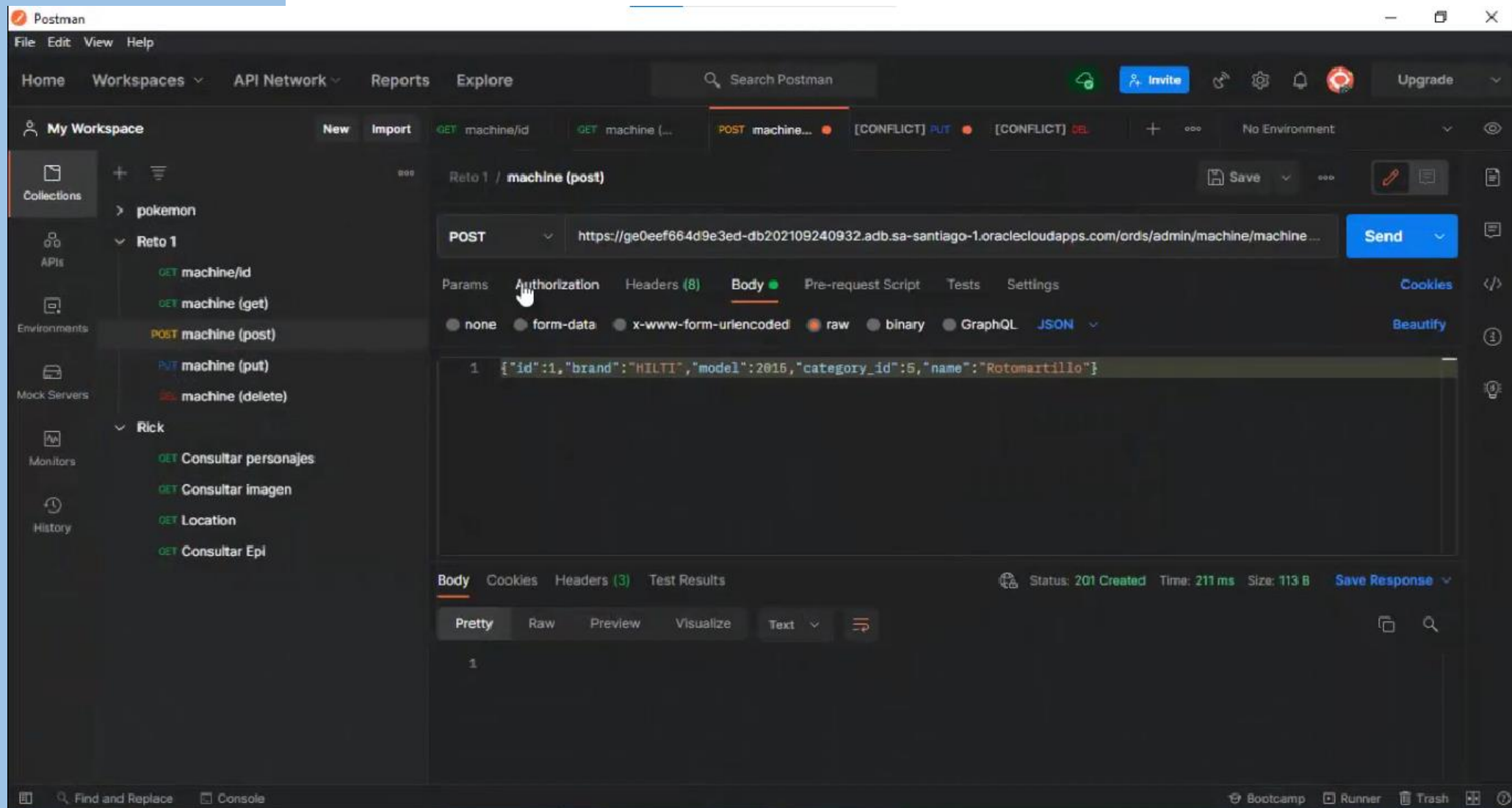
- Status: 200 OK
- Time: 1166 ms
- Size: 994 B
- Save Response: (Button)

**Response Body (JSON):**

```
1  {
2    "items": [
3      {
4        "id": 1,
5        "brand": "HILTI",
6        "model": 2015,
7        "category_id": 5,
8        "name": "Rotomartillo"
9      },
10     {
11       "id": 2,
12       "brand": "Hilt",
13       "model": 2020,
```

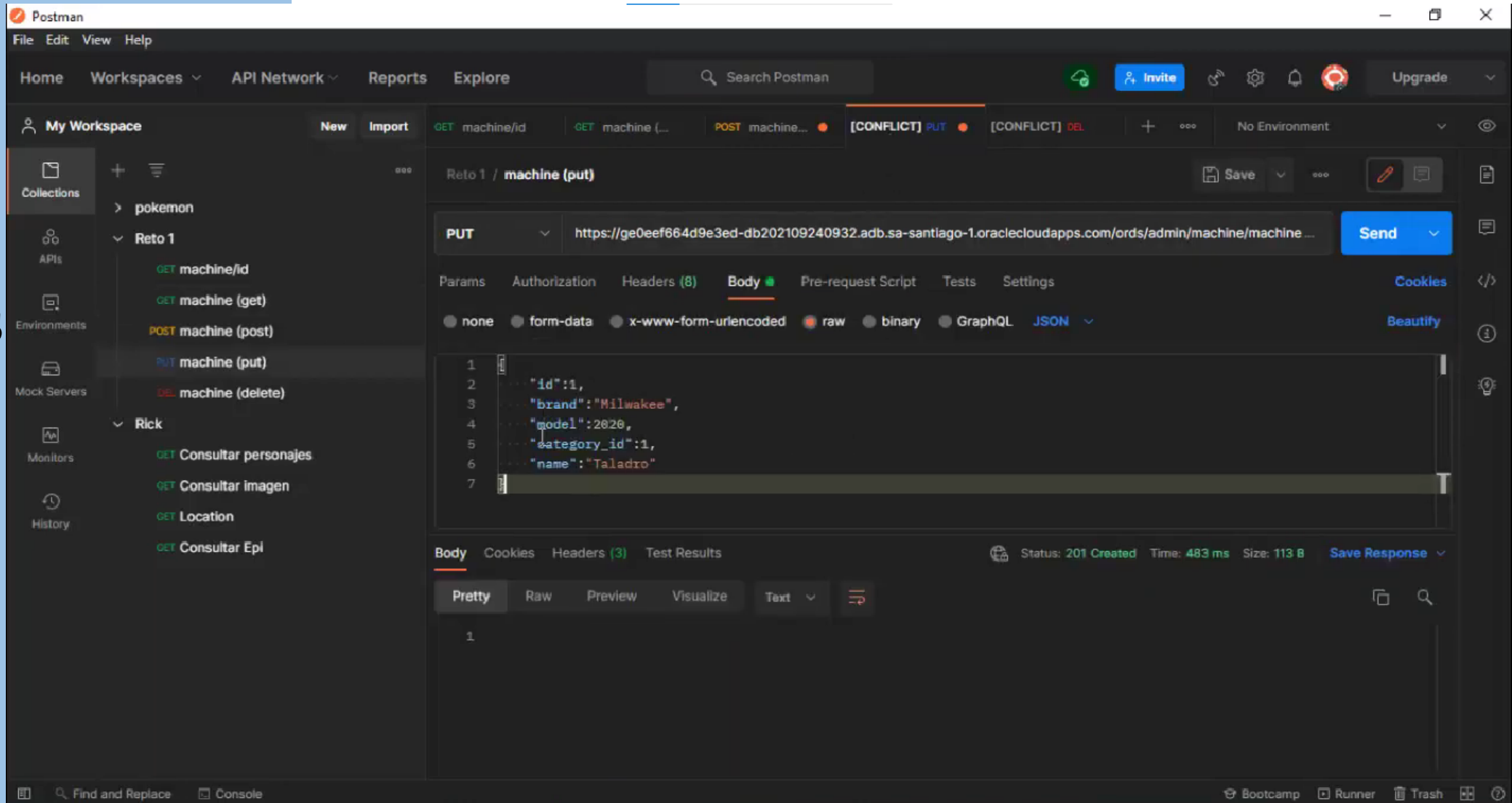
# POST

## Ejemplos



PUT

Ejemplos



PUT

Ejemplos

The screenshot shows the Postman API client interface. The sidebar on the left displays a collection named 'pokemon' with a sub-collection 'Reto 1' containing several requests, including 'PUT machine (put)'. The main workspace shows the details of the selected 'machine (put)' request. The request is a PUT method to the endpoint 'https://ge0eef664d9e3ed-db202109240932.adb.sa-santiago-1.oraclecloudapps.com/ords/admin/machine/machine'. The response body is displayed in JSON format, showing a list of items with details like id, brand, model, category\_id, and name.

**Request Details:**

- Method: PUT
- URL: `https://ge0eef664d9e3ed-db202109240932.adb.sa-santiago-1.oraclecloudapps.com/ords/admin/machine/machine`
- Headers (6):
- Body: (Empty)

**Response Details:**

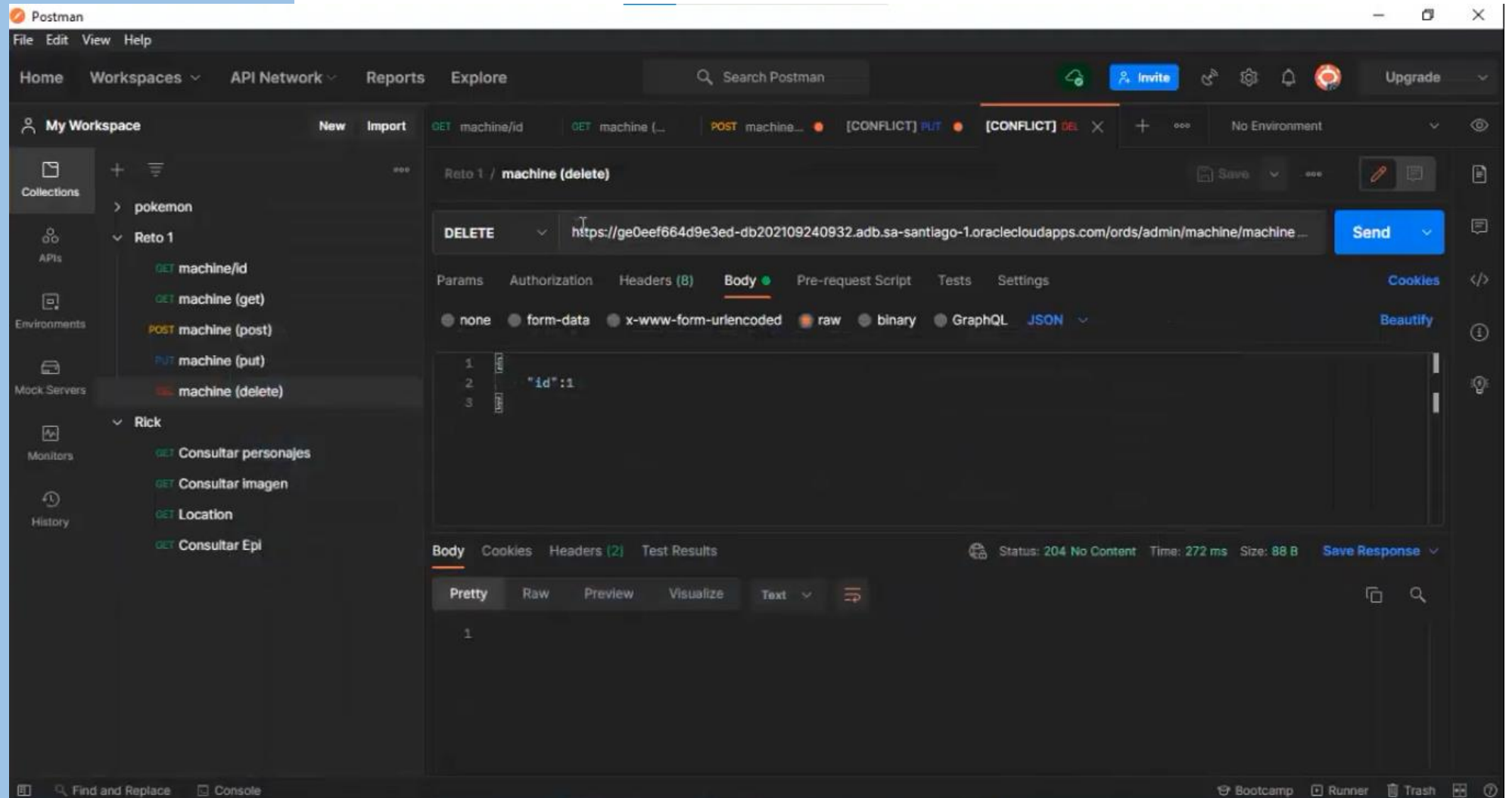
- Status: 200 OK
- Time: 213 ms
- Size: 992 B
- Save Response

**Response Body (JSON):**

```
1 {
2   "items": [
3     {
4       "id": 1,
5       "brand": "Milwaukee",
6       "model": 2020,
7       "category_id": 1,
8       "name": "Taladro"
9     },
10    {
11      "id": 2,
12      "brand": "Htt",
13      "model": 2020,
```

# DELETE

## Ejemplos



# DELETE

## Ejemplos

The screenshot shows the Postman interface with a DELETE request configured. The left sidebar displays the 'My Workspace' tree with collections 'pokemon' and 'Rick'. The 'pokemon' collection contains a 'Reto 1' folder with several endpoints, including 'machine (delete)'. The main panel shows the 'machine (delete)' endpoint selected, with the method set to 'DELETE' and the URL 'https://ge0eef664d9e3ed-db202109240932.adb.sa-santiago-1.oraclecloudapps.com/ords/admin/machine/machine'. The 'Params' tab is active, showing a table with columns 'KEY', 'VALUE', and 'DESCRIPTION'. The 'Body' tab is also visible, showing a JSON response in 'Pretty' format. The status bar at the bottom indicates a successful '200 OK' response with a time of 206 ms and a size of 918 B.

Postman

File Edit View Help

Home Workspaces API Network Reports Explore

Search Postman

My Workspace

New Import

GET machine/id

GET machine (...)

POST machine...

[CONFLICT] PUT

[CONFLICT] DEL

No Environment

Collections

pokemon

Reto 1

GET machine/id

GET machine (get)

POST machine (post)

PUT machine (put)

DEL machine (delete)

Rick

GET Consultar personajes

GET Consultar imagen

GET Location

GET Consultar Epi

Monitors

History

Mock Servers

Headers (6)

Body

Pre-request Script

Tests

Settings

Send

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body

Cookies

Headers (5)

Test Results

Status: 200 OK Time: 206 ms Size: 918 B Save Response

Pretty Raw Preview Visualize JSON

```
1  {
2    "items": [
3      {
4        "id": 2,
5        "brand": "Hrt",
6        "model": 2020,
7        "category_id": 3,
8        "name": "RetroEscabadora"
9      }
10   ],
11   "hasMore": false,
12   "limit": 25,
13   "offset": 0,
```

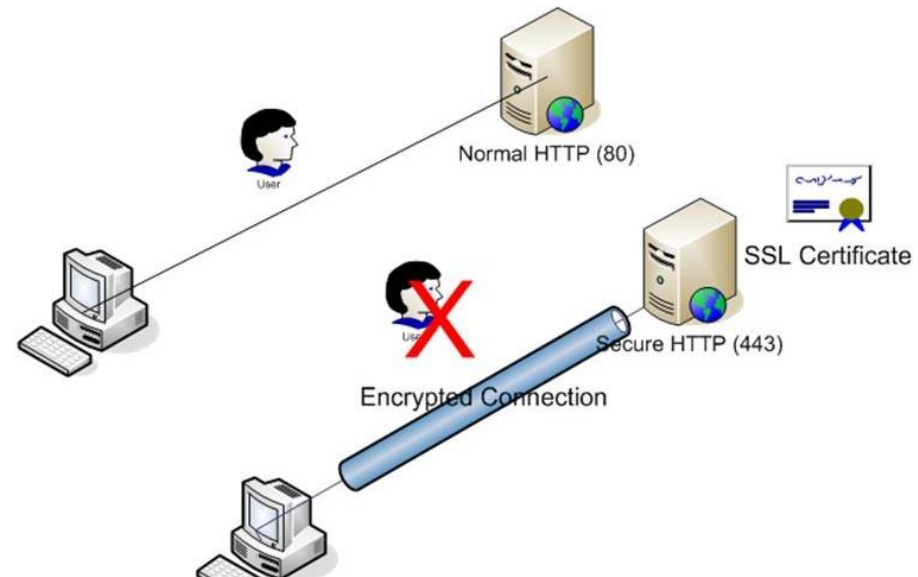
Find and Replace Console

Bootcamp Runner Trash

# Diferencias entre HTTP y HTTPS



## HTTP vs HTTPS



Gracias