

Modern Engineering



# Postman Walk-through





## Guided Walk-Through: What is Postman?

Postman is an API platform for building and using APIs.



### What is Postman?

Postman is an API platform for building and using APIs. Postman simplifies each step of the API lifecycle and streamlines collaboration so you can create better APIs—faster.



#### API Tools

A comprehensive set of tools that help accelerate the API Lifecycle - from design, testing, documentation, and mocking to discovery.



#### API Repository

Easily store, iterate and collaborate around all your API artifacts on one central platform used across teams.



#### Workspaces

Organize your API work and collaborate with teammates across your organization or stakeholders across the world.



#### Governance

Improve the quality of APIs with governance rules that ensure APIs are designed, built, tested, and distributed meeting organizational standards.



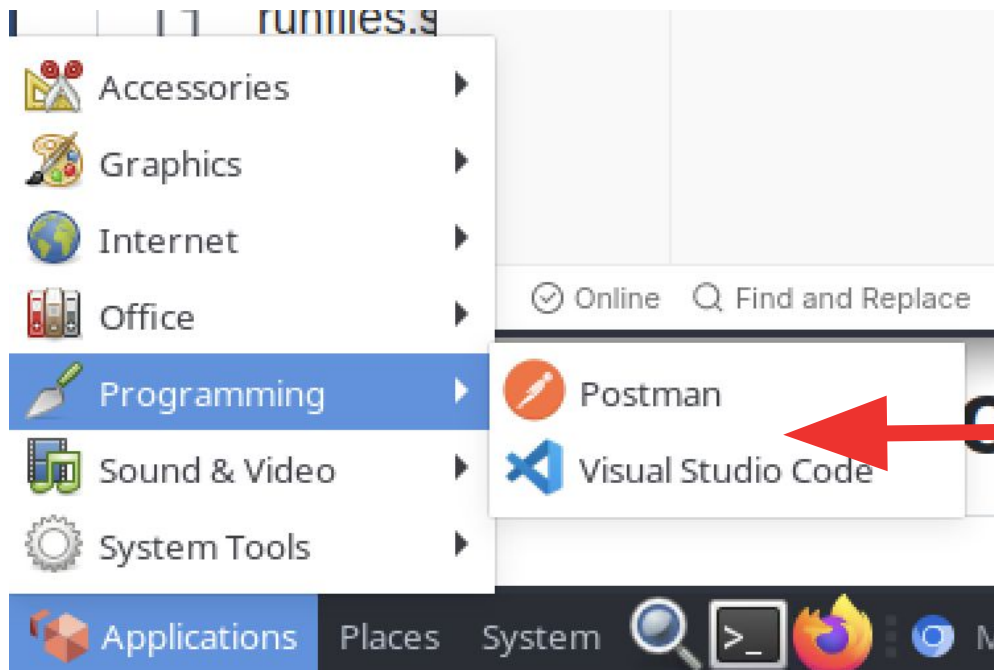
1. Open Postman
2. Let's use Postman to explore our services:
  - a. Driver
  - b. Plate
  - c. Vehicle
3. Let's design sample request and response bodies for Driver and Plates





# Setup Postman - Open The App

Open the App

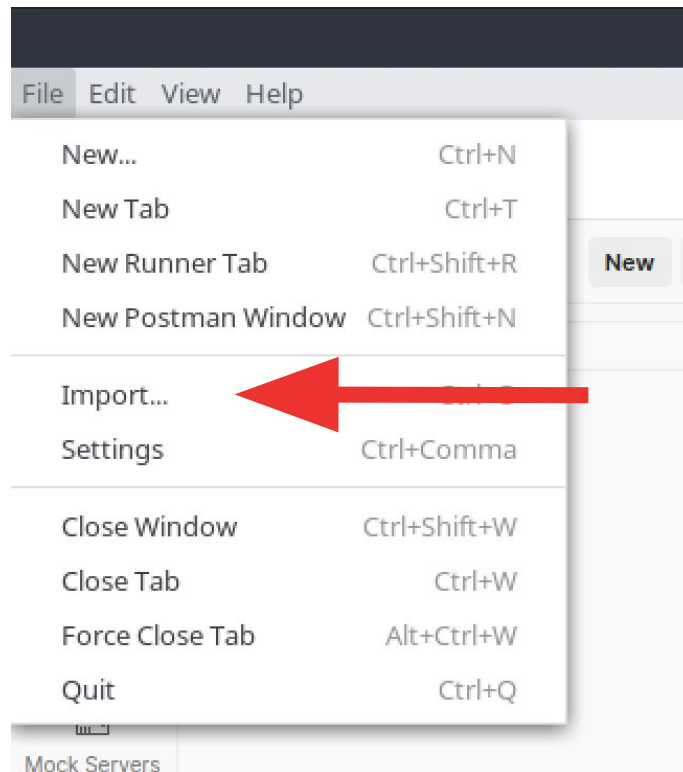




# Setup Postman - Import the DMV App Collection

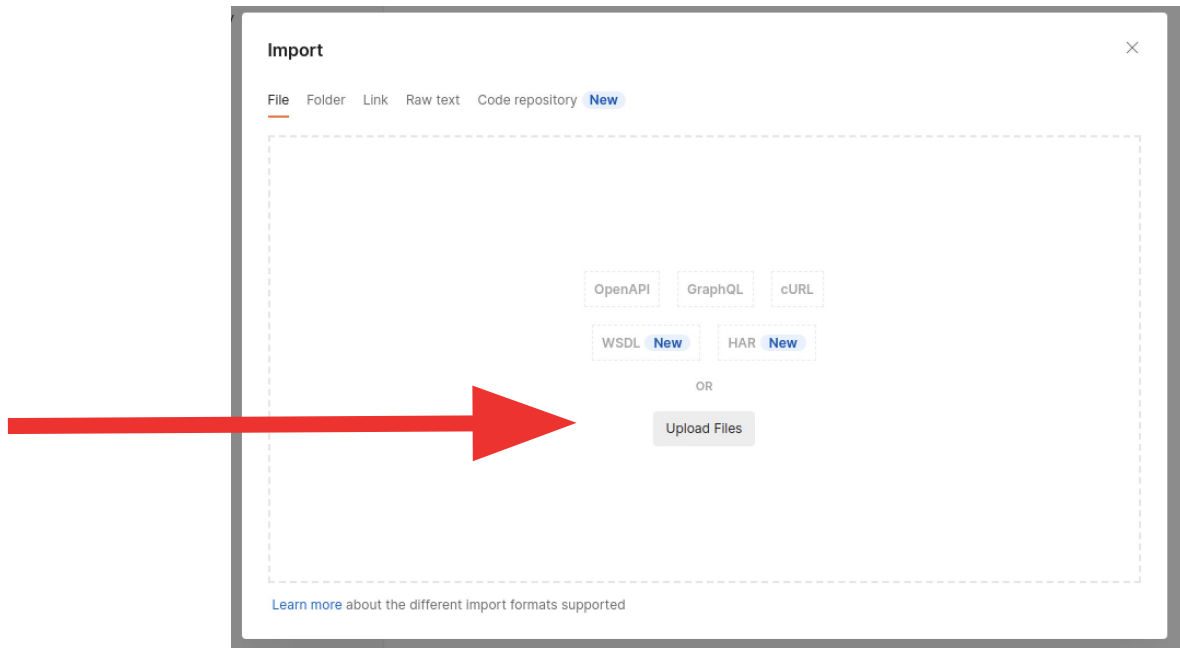
We've provided a Postman Collection of sample API requests. Let's import it into Postman...

Under **"File"** Select **"Import..."**





Select **“Upload Files”**





# Setup Postman - Import the DMV App Collection

You'll find the JSON file here, go ahead and open it:

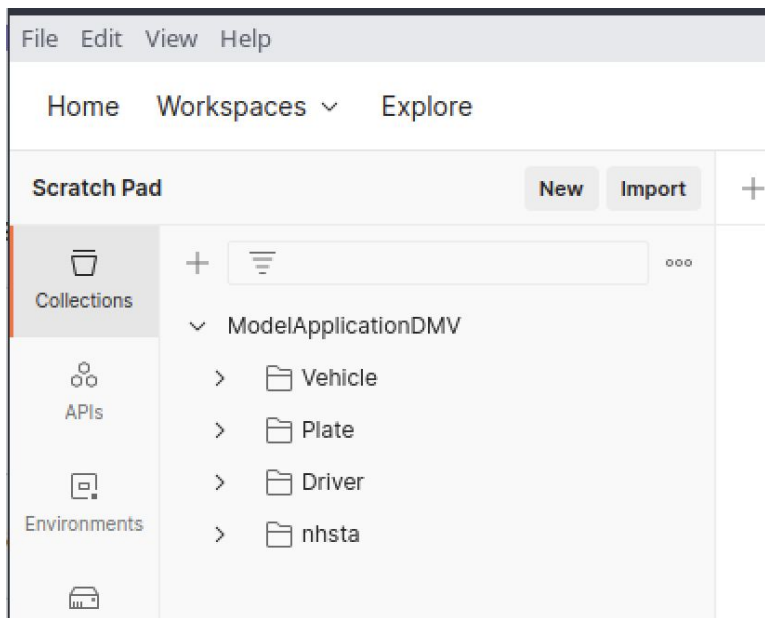
***dmv-microservices-application > solution\_code > API Examples >  
ModelApplicationDMV.postman\_collection.json***





# Setup Postman - Import the DMV App Collection

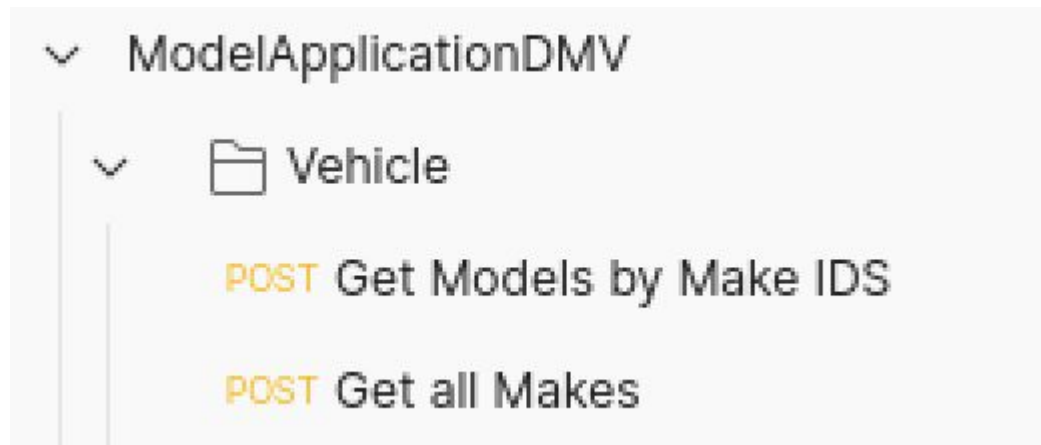
You should see a folder structure like this in Postman.







1. What is the Make\_ID for Toyota?
2. Get all Models for Jaguar
3. What is the Model\_ID for a Ford Flex?





## Guided Walk-Through:

# Explore Vehicle Service - *What is the Make\_ID for Toyota?*

Get all Makes - My Workspace

File Edit View Help

Home Workspaces Explore

Search Postman

Sign In Create Account

Scratch Pad New Import

ModelApplicationDMV / Vehicle / Get all Makes

POST http://dmv.localdev/api/vehicle/make/get

Params Auth Headers (8) Body Pre-req. Tests Settings

raw JSON

Send

Body Cookies Headers (7) Test Results

200 OK 167 ms 534.5 KB Save Response

Pretty Raw Preview Visualize JSON

```
30 {
31   "make_id": 446,
32   "make_name": "BUELL (EBR)"
33 },
34 {
35   "make_id": 447,
36   "make_name": "JIALING"
37 },
38 {
39   "make_id": 448,
40   "make_name": "TOYOTA"
41 },
42 {
43   "make_id": 449,
44   "make_name": "MERCEDES-BENZ"
45 },
46 {
47   "make_id": 450,
48   "make_name": "FREIGHTLINER"
49 },
50 }
```





# Guided Walk-Through: Explore Vehicle Service - *Get all Models for Jaguar*

Get Models by Make IDS - My Workspace

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Scratch Pad New Import

ModelApplicationDMV / Vehicle / Get Models by Make IDS

POST http://dmv.localdev/api/vehicle/model/get

Send

Params Auth Headers (8) Body Pre-req. Tests Settings

raw JSON

```
1 {
2   "Make_ID": [442]
3 }
```

Body Cookies Headers (7) Test Results

200 OK 162 ms 1.63 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "Count": 18,
3   "Message": "Response returned successfully",
4   "SearchCriteria": null,
5   "Results": [
6     {
7       "Make_ID": 442,
8       "Make_Name": "JAGUAR",
9       "Model_ID": 22434,
10      "Model_Name": "E-PACE"
11    },
12    {
13      "Make_ID": 442,
14      "Make_Name": "JAGUAR",
15      "Model_ID": 11441,
```





# Guided Walk-Through: Explore Vehicle Service - *Model\_ID* for a Ford Flex?

Get Models by Make IDS - My Workspace

File Edit View Help

Home Workspaces Explore

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Scratch Pad New Import

ModelApplicationDMV / Vehicle / Get Models by Make IDS

POST http://dmv.localdev/api/vehicle/model/get

Send

Params Auth Headers (8) Body Pre-req. Tests Settings

raw JSON

```
1 {
2   "Make_ID": "460"
3 }
```

Body Cookies Headers (7) Test Results

200 OK 229 ms 11.03 KB Save Response

Pretty Raw Preview Visualize JSON

```
447 {
448   "Model_ID": 2347,
449   "Model_Name": "Five
450 }
451 {
452   "Make_ID": 460,
453   "Make_Name": "FORD",
454   "Model_ID": 1802,
455   "Model_Name": "Flex"
456 }
457 {
458   "Make_ID": 460,
459   "Make_Name": "FORD",
460   "Model_ID": 1779,
461   "Model_Name": "Focus"
```





## Guided Walk-Through: Explore Driver Service

We have 1000 Drivers in our database.

1. Get Drivers with IDs of 10, 100, and 500
2. For List Drivers, return 50 results



- Driver
  - POST Get Drivers by IDs
  - POST List Drivers(sorted/filtered)
  - POST Update Driver
  - POST Add Driver



## Guided Walk-Through: Explore Plate Service

- Create a request for “Get Plates by Drive IDs”

