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# R22 API Documentation

*Release 0.1*

**ML**

**Jan 06, 2022**



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Welcome to **R22's API Documentation** This document outlines everything you need to know to access a store's data for retrieval beginning with the API endpoints all the way through to *methods* and *sample usage*.

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**Note:** This project is under active **green** development.

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## 1.1 API Endpoints

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Production Environ- ment	<a href="https://data-service.r22dev.com/partner/inventories">https://data-service.r22dev.com/partner/inventories</a>
URL Parameters	@RequestParam(required = false) Integer page, @RequestParam(required = false) Integer pageSize
URL Example	<a href="http://data-service.r22dev.com/partner/inventories?pageSize=150&amp;page=2">http://data-service.r22dev.com/partner/inventories? pageSize=150&amp;page=2</a>

NOTE: The default page size is 50

### 1.1.1 cURL

curl -location -request GET 'http://data-service.r22dev.com/partner/inventories?pageSize=20&page=5' -header 'Au-  
thorization: Bearer {Input your token here}'

## 1.2 API Methods

### 1.2.1 Retrieve all Vehicles

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Methods	Inventory (HTTP METHOD: GET)
Return Type	JSON string of all vehicles
Example	<a href="https://data-service.r22dev.com/partner/inventories">https://data-service.r22dev.com/partner/inventories</a>

Parameters	Required	Notes
Token	YES	An access token is required for all API requests
Pagination	NO	
Page Size	NO	Number of record per page

## 1.2.2 Sample Usage

pageSize	100
page	3

## 1.2.3 Category

### Status and Explanation

- 1001 : Automotive
- 1002 : Motorcycles

## 1.2.4 Inventory Type

### Status and Explanation

- N : New Auto
- U : Used Auto

## 1.2.5 Get Inventory Details

To get inventory details, use `inventory.details.{API field name}` as an example.

## 1.2.6 API Response (for one unit)

```
"total": 85,  
  "totalPage": 5,  
  "pageSize": 20,  
  "page": 5,  
  "inventories": [  
    {  
      "id": 13091992,  
      "created_by": "System",  
      "title": "2020 Harley-Davidson Breakout 114",  
      "last_mod_by": null,  
      "dealer": {  
        "id": 101035,  
        "dealerName": "Timms Harley Davidson Anderson",  
        "active": true,  
        "partnerDealerId": null,  
        "partnerCode": null,  
        "email": null,  
        "telephone": null,  
        "contact_name": null  
      },  
      "category": {  
        "id": 1002,  
        "description": "Motorcycle",
```

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```

        "titleConvention": "${year} ${make} ${model}",
        "editForm": "dynamic",
        "iconName": "ios-bicycle",
        "iconNameAndroid": "md-bicycle",
        "inventoryCount": null
    },
    "photoCount": 1,
    "status": 1,
    "removed": null,
    "dmsStatus": null,
    "statusChangeCode": "REFRESH",
    "statusChangeNotes": "Refreshed",
    "submissionId": 197554,
    "inventoryDate": null,
    "listingPrice": 21528.00,
    "msrp": null,
    "salePrice": null,
    "wholesalePrice": null,
    "listingComment": null,
    "primaryPhotoUrl": "https://media.r22dev.com/Harley_2020_Jellybeans/20---
↪SOFTAIL---BREAKOUT_114---FXBRS_R.png",
    "detailPageUrl": null,
    "additionalData": null,
    "fields": null,
    "equipments": {},
    "external_id": "1HD1YHK15LB047162",
    "stock_number": "LB047162",
    "inventory_type": "N",
    "details": {
        "make": "Harley-Davidson",
        "year": "2020",
        "model": "Breakout 114",
        "power": "100.00 HP (73.0 kW) @ 5020 RPM",
        "clutch": "Multi-plate with diaphragm spring in oil bath",
        "torque": "161.36 Nm (16.5 kgf-m or 119.0 ft.lbs) @ 3000 RPM",
        "gearbox": "6-speed",
        "cylinders": "2",
        "rear_tyre": "240/40-R18 ",
        "dry_weight": "294.0 kg (648.2 pounds)",
        "front_tyre": "130/60-B21 ",
        "wheel_base": "1,695 mm (66.7 inches)",
        "bore_stroke": "102.0 x 114.0 mm (4.0 x 4.5 inches)",
        "engine_disp": "1870",
        "final_drive": "Chain, 34/46 ratio primary drive",
        "fuel_system": "Injection. Electronic Sequential Port Fuel Injection",
        "displacement": "1868.00 ccm (113.99 cubic inches)",
        "exhaust_type": "2-into-2 staggered; catalyst in muffler",
        "fuel_control": "Double Overhead Cams/Twin Cam (DOHC)",
        "fuel_capacity": "13.20 litres (3.49 gallons)",
        "odometer_type": "Miles",
        "cooling_system": "Air",
        "engine_details": "V2, four-stroke",
    }

```

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```
        "overall_length": "2,370 mm (93.3 inches)",
        "exterior_colour": "PERFORMANCE ORG W/PINSTRIP",
        "rear_suspension": "Twin shocks",
        "front_suspension": "Telescopic fork",
        "odometer_reading": "6"
    },
    "photos": [
        {
            "id": 390482518,
            "modifiedDate": "2020-02-19T11:09:59+0000",
            "originalUrl": "https://media.r22dev.com/Harley_2020_Jellybeans/20---
↪SOFTAIL---BREAKOUT_114---FXBRS_R.png",
            "photoUrl": "https://media.r22dev.com/Harley_2020_Jellybeans/20---
↪SOFTAIL---BREAKOUT_114---FXBRS_R.png",
            "thumbnailUrl": "https://media.r22dev.com/Harley_2020_Jellybeans/20---
↪SOFTAIL---BREAKOUT_114---FXBRS_R.png",
            "photoOrder": 0,
            "caption": "",
            "processed": false,
            "processNote": null
        }
    ]
}
```