API Overview

Welcome to the swapi—the Star Wars API! In this document, you will find everything you need to get to know the resources and how to use them with HTTP requests.

Getting Started

Using the APIs

1. **Base URL:** Every endpoint starts with the same base URL:
   https://swapi.py4e.com/api/

2. **Resource Endpoints:** Append resources like /people, /people/1/ to access the collection for specific entries.

3. **HTTP Method:** Use **GET** requests to retrieve data.

Accept: **application/json**

Authentication / Authorization

- Swapi is completely free
- No authentication or API key is required to access endpoints

Pricing

Swapi is free. There are no licensing fees or hidden costs.

Prerequisites

- Systems consuming SWAPI should support HTTP/HTTPS networking and JSON parsing.
- SDKs are not required. But, HTTP clients or browsers with REST capability are required.

Return Status Codes

These status codes help clients handle responses effectively.

HTTP Status Code	Description
200	OK
400	Bad Request – Invalid parameters
404	Not Found – Resource does not exist
500	Internal Server Error

Throttling Limits/Rate limits

Swapi sets a limit on how many times you can hit the API each day to keep the service running smoothly and stop anyone from going overboard. Right now, you get 10,000 requests per day per IP address.

API Reference Document

Resource

/people

Introduction

This API retrieves a list of all people resources available in the Star Wars universe.

Headers

- Content Type: application/json
- Response Type: application/json

Method

GET

Base URL

https://swapi.py4e.com/api/

Endpoint

/people/

Request URL

https://swapi.py4e.com/api/people/

Response parameter Table

Parameter	Child Parameter	Data Type	Required / Optional	Value	Description
count	-	Integer	Required		The total number of people available (87)
next	-	string	Optional		URL of the next page of results
previous	-	string	Optional		URL of the previous page of results
	name	string	Required		Name of the person
	height	string	Required		Height of the person in centimetres (172cms)
male	mass	string	Required		Mass of the person in kilograms (77kgs)
	hair_color	string	Required		The hair color of the person
	skin_color	string	Required		The skin color of the person
	eye_color	string	Required		The eye color of the person
	birth_year	string	Required		Year of birth (19BBY)
	gender	string	Required		Gender of the person
results	homeworld	string	Optional		URL of the person's home planet
results	films	array	Optional		List of films featuring this person
results	species	array	Optional		List of species references
results	vehicles	array	Optional		List of vehicles this person has piloted
results	starships	array	Optional		List of starships this person has piloted
results	created	string	Required		Resource creation timestamp (2014-12-09T13:50:51.644000Z)
results	edited	string	Required		Resource last modification timestamp (2014-12-20T21:17:56.891000Z)
results	url	string	Required		Direct link to the resource

Sample Response

```
{

 "count": 87,

 "next": "https://swapi.py4e.com/api/people/?page=2",

 "previous": null,

 "results": [

  {

   "name": "Luke Skywalker",

   "height": "172",

   "mass": "77",

   "hair_color": "blond",

   "skin_color": "fair",

   "eye_color": "blue",
```

```
    "birth_year": "19BBY",

    "gender": "male",

    "homeworld": "https://swapi.py4e.com/api/planets/1/",

    "films": [

      "https://swapi.py4e.com/api/films/1/",

      "https://swapi.py4e.com/api/films/2/",

      "https://swapi.py4e.com/api/films/3/",

      "https://swapi.py4e.com/api/films/6/",

      "https://swapi.py4e.com/api/films/7/"

    ],

    "species": [

      "https://swapi.py4e.com/api/species/1/"

    ],

    "vehicles": [

      "https://swapi.py4e.com/api/vehicles/14/",

      "https://swapi.py4e.com/api/vehicles/30/"

    ],

    "starships": [

      "https://swapi.py4e.com/api/starships/12/",

      "https://swapi.py4e.com/api/starships/22/"

    ],

    "created": "2014-12-09T13:50:51.644000Z",

    "edited": "2014-12-20T21:17:56.891000Z",

    "url": "https://swapi.py4e.com/api/people/1/"

  }

 ]

}
```

Tested in **Postman** - **get all the people resources**