API Documentation

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API Overview

SWAPI (The Star Wars API)

SWAPI is a quantified and programmatically accessible data source for all Star Wars canon universe data. It offers various resources that you can query using HTTP requests. The API provides information about planets, spaceships, vehicles, people, films, and species from all seven Star Wars films.

Getting Started

Let's commence our first API request to the Star Wars API.
To do this, open a terminal and use curl or HTTP to request a resource from the API.
In this example, we will retrieve details about the first planet, Tatooine:

```
https://swapi.py4e.com/api/planets/1/
```

API Reference

1. Get all People Resources

Resource

people

Introduction

Retrieves a list of all characters in the Star Wars universe.

Method

GET

Base URL

https://swapi.dev/api/

Endpoint

/people/

Request URL

https://swapi.dev/api/people/

Example

https://swapi.dev/api/people

Path parameter

Parameter	Required/Optional	Data Type	Values	Description
people	Required	String		All people within the Star Wars universe

Response parameters

Parameter	Sub-parameter	Data Type	Values	Description
name		String		Name of the person
height		String		Height of the person in centimeters
mass		String		Mass of the person in kilograms
hair_color		String	It will show "none" if not known or "n/a" if the information of hair for the person is not known	The hair color of the person.
skin_color		String		The skin color of the person
eye_color		String		The eye color of the person
birth_year		String		Birth year of the person along with in-universe standard, BBY or ABY that is Before the Battle of Yavin or After the Battle of Yavin
gender		String		The gender of the person
homeworld		String		The URL of the planet where the person was born on
films		Array		Film resource URLs that the person has worked in
species		Array		Species resource URLs that the person belongs to

vehicles		Array		Vehicle resource URLs that the person has used
starships		Array		Starship resource URLs that the person has piloted
created		String		ISO 8601 date format of the time when the resource was created
edited		String		ISO 8601 date format of the time when the resource was created
url		String		The hypermedia URL of the resource
	id	Int64		Id of the person

Example Response

```json
{
    "count": 82,
    "next": "https://swapi.dev/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.dev/api/planets/1/",
            "films": [
                "https://swapi.dev/api/films/1/",
                "https://swapi.dev/api/films/2/",
                "https://swapi.dev/api/films/3/",
                "https://swapi.dev/api/films/6/"
            ],
            "species": [],
            "vehicles": [
                "https://swapi.dev/api/vehicles/14/",
                "https://swapi.dev/api/vehicles/30/"
            ],
```

```json
        "starships": [
            "https://swapi.dev/api/starships/12/",
            "https://swapi.dev/api/starships/22/"
        ],
        "created": "2014-12-09T13:50:51.644000Z",
        "edited": "2014-12-20T21:17:56.891000Z",
        "url": "https://swapi.dev/api/people/1/"
    },
    {

        "name": "C-3PO",
        "height": "167",
        "mass": "75",
        "hair_color": "n/a",
        "skin_color": "gold",
        "eye_color": "yellow",
        "birth_year": "112BBY",
        "gender": "n/a",
        "homeworld": "https://swapi.dev/api/planets/1/",
        "films": [
            "https://swapi.dev/api/films/1/",
            "https://swapi.dev/api/films/2/",
            "https://swapi.dev/api/films/3/",
            "https://swapi.dev/api/films/4/",
            "https://swapi.dev/api/films/5/",
            "https://swapi.dev/api/films/6/"
        ],
        "species": [
            "https://swapi.dev/api/species/2/"
        ],
        "vehicles": [],
        "starships": [],
        "created": "2014-12-10T15:10:51.357000Z",
        "edited": "2014-12-20T21:17:50.309000Z",
        "url": "https://swapi.dev/api/people/2/"
    },
    {

        "name": "R2-D2",
        "height": "96",
        "mass": "32",
        "hair_color": "n/a",
        "skin_color": "white, blue",
        "eye_color": "red",
        "birth_year": "33BBY",
        "gender": "n/a",
        "homeworld": "https://swapi.dev/api/planets/8/",
        "films": [
            "https://swapi.dev/api/films/1/",
            "https://swapi.dev/api/films/2/",
            "https://swapi.dev/api/films/3/",
```

```
            "https://swapi.dev/api/films/4/",
            "https://swapi.dev/api/films/5/",
            "https://swapi.dev/api/films/6/"
        ],
        "species": [
            "https://swapi.dev/api/species/2/"
        ],
        "vehicles": [],
        "starships": [],
        "created": "2014-12-10T15:11:50.376000Z",
        "edited": "2014-12-20T21:17:50.311000Z",
        "url": "https://swapi.dev/api/people/3/"
    },
    {
        "name": "Darth Vader",
        "height": "202",
        "mass": "136",
        "hair_color": "none",
        "skin_color": "white",
        "eye_color": "yellow",
        "birth_year": "41.9BBY",
        "gender": "male",
        "homeworld": "https://swapi.dev/api/planets/1/",
        "films": [
            "https://swapi.dev/api/films/1/",
            "https://swapi.dev/api/films/2/",
            "https://swapi.dev/api/films/3/",
            "https://swapi.dev/api/films/6/"
        ],
        "species": [],
        "vehicles": [],
        "starships": [
            "https://swapi.dev/api/starships/13/"
        ],
        "created": "2014-12-10T15:18:20.704000Z",
        "edited": "2014-12-20T21:17:50.313000Z",
        "url": "https://swapi.dev/api/people/4/"
    },
    {
        "name": "Leia Organa",
        "height": "150",
        "mass": "49",
        "hair_color": "brown",
        "skin_color": "light",
        "eye_color": "brown",
        "birth_year": "19BBY",
        "gender": "female",
        "homeworld": "https://swapi.dev/api/planets/2/",
        "films": [
```

```json
            "https://swapi.dev/api/films/1/",
            "https://swapi.dev/api/films/2/",
            "https://swapi.dev/api/films/3/",
            "https://swapi.dev/api/films/6/"
        ],
        "species": [],
        "vehicles": [
            "https://swapi.dev/api/vehicles/30/"
        ],
        "starships": [],
        "created": "2014-12-10T15:20:09.791000Z",
        "edited": "2014-12-20T21:17:50.315000Z",
        "url": "https://swapi.dev/api/people/5/"
    },
    {
        "name": "Owen Lars",
        "height": "178",
        "mass": "120",
        "hair_color": "brown, grey",
        "skin_color": "light",
        "eye_color": "blue",
        "birth_year": "52BBY",
        "gender": "male",
        "homeworld": "https://swapi.dev/api/planets/1/",
        "films": [
            "https://swapi.dev/api/films/1/",
            "https://swapi.dev/api/films/5/",
            "https://swapi.dev/api/films/6/"
        ],
        "species": [],
        "vehicles": [],
        "starships": [],
        "created": "2014-12-10T15:52:14.024000Z",
        "edited": "2014-12-20T21:17:50.317000Z",
        "url": "https://swapi.dev/api/people/6/"
    },
    {
        "name": "Beru Whitesun lars",
        "height": "165",
        "mass": "75",
        "hair_color": "brown",
        "skin_color": "light",
        "eye_color": "blue",
        "birth_year": "47BBY",
        "gender": "female",
        "homeworld": "https://swapi.dev/api/planets/1/",
        "films": [
            "https://swapi.dev/api/films/1/",
            "https://swapi.dev/api/films/5/",
```

```json
            "https://swapi.dev/api/films/6/"
        ],
        "species": [],
        "vehicles": [],
        "starships": [],
        "created": "2014-12-10T15:53:41.121000Z",
        "edited": "2014-12-20T21:17:50.319000Z",
        "url": "https://swapi.dev/api/people/7/"
    },
    {
        "name": "R5-D4",
        "height": "97",
        "mass": "32",
        "hair_color": "n/a",
        "skin_color": "white, red",
        "eye_color": "red",
        "birth_year": "unknown",
        "gender": "n/a",
        "homeworld": "https://swapi.dev/api/planets/1/",
        "films": [
            "https://swapi.dev/api/films/1/"
        ],
        "species": [
            "https://swapi.dev/api/species/2/"
        ],
        "vehicles": [],
        "starships": [],
        "created": "2014-12-10T15:57:50.959000Z",
        "edited": "2014-12-20T21:17:50.321000Z",
        "url": "https://swapi.dev/api/people/8/"
    },
    {
        "name": "Biggs Darklighter",
        "height": "183",
        "mass": "84",
        "hair_color": "black",
        "skin_color": "light",
        "eye_color": "brown",
        "birth_year": "24BBY",
        "gender": "male",
        "homeworld": "https://swapi.dev/api/planets/1/",
        "films": [
            "https://swapi.dev/api/films/1/"
        ],
        "species": [],
        "vehicles": [],
        "starships": [
            "https://swapi.dev/api/starships/12/"
        ],
```
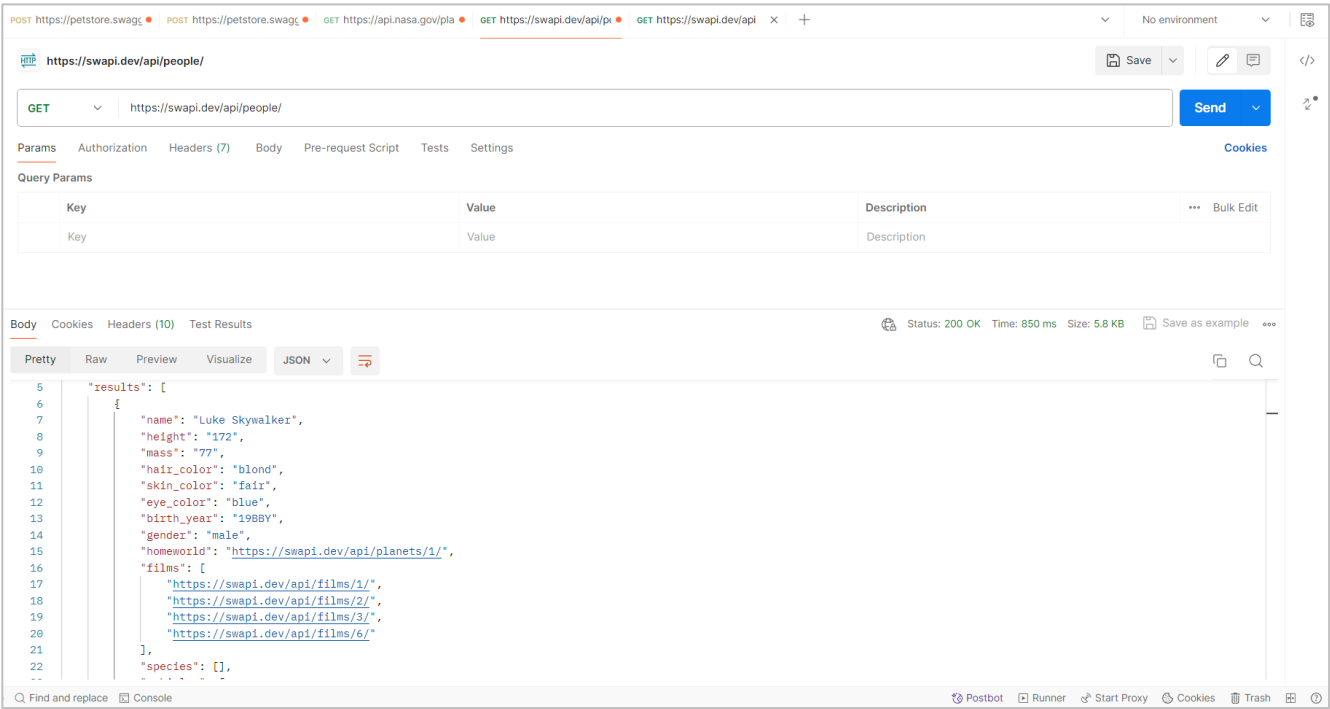
```json
            "created": "2014-12-10T15:59:50.509000Z",
            "edited": "2014-12-20T21:17:50.323000Z",
            "url": "https://swapi.dev/api/people/9/"
        },
        {

            "name": "Obi-Wan Kenobi",
            "height": "182",
            "mass": "77",
            "hair_color": "auburn, white",
            "skin_color": "fair",
            "eye_color": "blue-gray",
            "birth_year": "57BBY",
            "gender": "male",
            "homeworld": "https://swapi.dev/api/planets/20/",
            "films": [
                "https://swapi.dev/api/films/1/",
                "https://swapi.dev/api/films/2/",
                "https://swapi.dev/api/films/3/",
                "https://swapi.dev/api/films/4/",
                "https://swapi.dev/api/films/5/",
                "https://swapi.dev/api/films/6/"
            ],
            "species": [],
            "vehicles": [
                "https://swapi.dev/api/vehicles/38/"
            ],
            "starships": [
                "https://swapi.dev/api/starships/48/",
                "https://swapi.dev/api/starships/59/",
                "https://swapi.dev/api/starships/64/",
                "https://swapi.dev/api/starships/65/",
                "https://swapi.dev/api/starships/74/"
            ],
            "created": "2014-12-10T16:16:29.192000Z",
            "edited": "2014-12-20T21:17:50.325000Z",
            "url": "https://swapi.dev/api/people/10/"
        }
    ]
}
```

Postman Screenshot:

2. Get a specific People Resource

Resource

people

Introduction

Retrieves information about specific people in the Star Wars universe.

Method

GET

Base URL

https://swapi.dev/api/

Endpoint

/people/{id}

Request URL

https://swapi.dev/api/people/{id}

Example

https://swapi.dev/api/people/6

Path parameter

Parameter	Required/Optional	Data Type	Values	Description
id	Required	Int64		Unique ID of the person in the Star Wars universe

Response parameters

Parameter	Sub-parameter	Data Type	Values	Description
name		String		Name of the person
height		String		Height of the person in centimeters
mass		String		Mass of the person in kilograms
hair_color		String		The hair color of the person. It will show "none" if not known or "n/a" if the information of hair for the person is not known
skin_color		String		The skin color of the person
eye_color		String		The eye color of the person
birth_year		String		Birth year of the person along with in-universe standard, BBY or ABY that is Before the Battle of Yavin or After the Battle of Yavin
gender		String		The gender of the person
homeworld		String		The URL of the planet where the person was born on
films		Array		Film resource URLs that the person has worked in
species		Array		Species resource URLs that the person belongs to
vehicles		Array		Vehicle resource URLs that the person has used
starships		Array		Starship resource URLs that the person has piloted
created		String		ISO 8601 date format of the time when the resource was created

edited		String		ISO 8601 date format of the time when the resource was created
url		String		The hypermedia URL of the resource
	id	Int64		Id of the person

Example Response

```
{
    "name": "Owen Lars",
    "height": "178",
    "mass": "120",
    "hair_color": "brown, grey",
    "skin_color": "light",
    "eye_color": "blue",
    "birth_year": "52BBY",
    "gender": "male",
    "homeworld": "https://swapi.dev/api/planets/1/",
    "films": [
        "https://swapi.dev/api/films/1/",
        "https://swapi.dev/api/films/5/",
        "https://swapi.dev/api/films/6/"
    ],
    "species": [],
    "vehicles": [],
    "starships": [],
    "created": "2014-12-10T15:52:14.024000Z",
    "edited": "2014-12-20T21:17:50.317000Z",
    "url": "https://swapi.dev/api/people/6/"
}
```

Postman Screenshot: