

# API Overview

## Introduction

Welcome to SWAPI, the Star Wars API! This documentation offers comprehensive resources and API references and how to consume them via HTTP requests.

Read the Getting Started section for a quick start. Native helper libraries are also available. Enjoy exploring the vast Star Wars universe with SWAPI! ***May the Force be with you!***

## Getting Started

Open your terminal and use either *curl* or *https* to initiate the request for the desired resource.

### Example Request

```
https://swapi.dev/api/planets/1
```

### Example Response

```
HTTP/1.0 200 OK
Content-Type: application/json
{
  "name": "Tatooine",
  "rotation_period": "23",
  "orbital_period": "304",
  "diameter": "10465",
  "climate": "arid",
  "gravity": "1 standard",
  "terrain": "desert",
  "surface_water": "1",
  "population": "200000",
  "residents": [
    "https://swapi.dev/api/people/1/",
    "https://swapi.dev/api/people/2/",
    "https://swapi.dev/api/people/4/"
  ],
  "films": [
    "https://swapi.dev/api/films/1/",
    "https://swapi.dev/api/films/3/"
  ],
  "created": "2014-12-09T13:50:49.641000Z",
  "edited": "2014-12-20T20:58:18.411000Z",
  "url": "https://swapi.dev/api/planets/1/"
}
```

In the example above, we are trying to get the first planet, Tatooine. We used HTTP command, if you don't want to download the http, use curl command instead.

**Note:** If your response looks slightly different don't panic, this is probably because more data has been to swapi since we made this documentation.

## Base URL

The Base URL is the fundamental URL that serves as the starting point for accessing an API. Whenever you encounter a **404 NOT FOUND** response while making a request to an API, it is important to verify the Base URL first.

In the case of swapi (Star Wars API), the Base URL is:

https://swapi.dev/api/

To interact with the API, you need to concatenate the endpoints to the Base URL when making requests. The documentation provided assumes that you will prepend the Base URL to the endpoint paths to construct the complete URLs for your API requests.

## Pricing

SWAPI (Star Wars API) is a free service that provides access to a wealth of Star Wars-related data. With no cost to use, you can explore and retrieve information about characters, films, starships, vehicles, and more. Enjoy the galaxy far, far away with SWAPI, completely free of charge.

## Rate Limiting

A rate limit is the number of API calls an app or user can make within a given time period. If this limit is exceeded or if CPU or total time limits are exceeded, the app or user may be throttled. API requests made by a throttled user or app will fail.

All API requests are subject to rate limits.

10,000 API request / day

**Note:** This is enough to request all the data on the website at least ten times over. There should be no reason for hitting the rate limit.

## Authentication

Authentication is not required to access the Swapi API, as it is completely open. You can freely query and retrieve data without any authentication process. However, please note that only GET requests are permitted, limiting other types of operations. If you come across any data inaccuracies, feel free to reach out to the site's support team via Twitter.

## Encodings

SWAPI provides two encodings for you to render the data with:

### JSON

JSON is the standard data format provided by SWAPI by default.

# Wookiee

Wookiee is for our tall hairy allies who speak Wookiee, this encoding is identical to JSON except with wookiee translations.

## Return Status Code

Code	Description
200	OK (Successful Operation)
404	Not Found (Invalid input)

---

# API Reference

## Resource

/People

## Introduction

This API retrieves the details of all the people in the Star Wars universe.

## Method

GET

## Base URL

<https://swapi.dev/api/>

## Endpoint

/people

## Sample Request

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

## Parameters

Parameters	Sub-parameters	Data Type	Value	Description
count		integer		The total number of people resources available.
next		string		The URL to retrieve the next page of people resources.
previous		string		The URL to retrieve the previous page of people resources.
results		array of objects		An array containing the individual people resources.
	name	string		The name of the person/character.
	height	string		The height of the person/character in centimeters.
	mass	string		The mass of the person/character in kilograms.
	hair_color	string		The color of the person/character's hair. <b>Note:</b> Will be "unknown" if not known or "n/a" if the person does not have hair.
	skin_color	string		The color of the person/character's skin.
	eye_color	string		The color of the person/character's eyes. <b>Note:</b> Will be "unknown" if not known or "n/a" if the person does not have an eye.
	birth_year	string		The birth year of the person/character using the in-universe standard: <ul style="list-style-type: none"><li>• <b>BBY</b> - Before the Battle of Yavin</li><li>• <b>ABY</b>- After the Battle of Yavin.</li></ul> <b>Note:</b> The Battle of Yavin is a battle that occurs at the end of Star Wars episode IV: A New Hope.
	gender	string	<ul style="list-style-type: none"><li>• Male</li><li>• Female</li><li>• Unknown or n/a</li></ul>	The gender of the person/character. <b>Note:</b> Either " <b>Male</b> ", " <b>Female</b> " or " <b>unknown</b> ", " <b>n/a</b> " if the person does not have a gender.
	homeworld	string		The URL to the homeworld of the person/character. A planet that this person was born on or inhabits.

	films	array of strings		URLs to the films the person/character appeared in.
	species	array of strings		URLs to the species the person/character belongs to.
	vehicles	array of strings		URLs to the vehicles the person/character owns.
	starships	array of strings		URLs to the starships the person/character owns.
	created	string		the ISO 8601 date format of the date and time when the resource was created.
	edited	string		the ISO 8601 date format of the date and time when the resource was edited.
	url	string		The URL to access the person/character resource.

## Sample Response

```
{
  "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/"
      ],
      "species": [],
      "vehicles": [
        "https://swapi.dev/api/vehicles/14/",
        "https://swapi.dev/api/vehicles/30/"
      ],
      "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/"
      ],
      "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/"
    }
  ]
}
```

## Resource

/People/:id

---

## Introduction

This API retrieves the details of all the people in the Star Wars universe.

---

## Method

GET

---

## Base URL

<https://swapi.dev/api/>

---

## Endpoint

/people/:id

---

## Sample Request

<https://swapi.dev/api/people/1>

---

## Parameters

Parameters	Data Type	Value	Description
name	string		The name of the person/character.
height	string		The height of the person/character in centimeters.
mass	string		The mass of the person/character in kilograms.
hair_color	string		The color of the person/character's hair. <b>Note:</b> Will be "unknown" if not known or "n/a" if the person does not have hair.
skin_color	string		The color of the person/character's skin.
eye_color	string		The color of the person/character's eyes. <b>Note:</b> Will be "unknown" if not known or "n/a" if the person does not have an eye.
birth_year	string		The birth year of the person/character using the in-universe standard: <ul style="list-style-type: none"><li>• <b>BBY</b> - Before the Battle of Yavin</li><li>• <b>ABY</b> - After the Battle of Yavin.</li></ul> <b>Note:</b> The Battle of Yavin is a battle that occurs at the end of Star Wars episode IV: A New Hope.
gender	string	<ul style="list-style-type: none"><li>• Male</li><li>• Female</li><li>• Unknown or n/a</li></ul>	The gender of the person/character. <b>Note:</b> Either " <b>Male</b> ", " <b>Female</b> " or " <b>unknown</b> ", " <b>n/a</b> " if the person does not have a gender.
homeworld	string		The URL to the homeworld of the person/character. A planet that this person was born on or inhabits.
films	array of strings		URLs to the films the person/character appeared in.
species	array of strings		URLs to the species the person/character belongs to.
vehicles	array of strings		URLs to the vehicles the person/character owns.
starships	array of strings		URLs to the starships the person/character owns.
created	string		the ISO 8601 date format of the date and time when the resource was created.

edited	string		the ISO 8601 date format of the date and time when the resource was edited.
url	string		The URL to access the person/character resource.

## Sample Response

```
{
  "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/"
  ],
  "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/"
}
```