## API Overview

### Introduction

Welcome to the swapi, the Star Wars API! This documentation should help you familiarise yourself with the resources available and how to consume them with HTTP requests. Read through the getting started section before you dive in. Most of your problems should be solved just by reading through it.

### Getting started

Let's make our first API request to the Star Wars API! Open up a terminal and use postman to make an API request for a resource. In the example below, we're trying to get the first planet, Tatooine:

<http://swapi.dev/api/planets/1/>

We'll use postman for our examples as it displays responses nicely and gives us a whole lot more useful information.

### Here is the response we get:

{

    "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/",

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

        "https://swapi.dev/api/people/7/",

        "https://swapi.dev/api/people/8/",

        "https://swapi.dev/api/people/9/",

        "https://swapi.dev/api/people/11/",

        "https://swapi.dev/api/people/43/",

        "https://swapi.dev/api/people/62/"

    ],

    "films": [

        "https://swapi.dev/api/films/1/",

        "https://swapi.dev/api/films/3/",

        "https://swapi.dev/api/films/4/",

        "https://swapi.dev/api/films/5/",

        "https://swapi.dev/api/films/6/"

    ],

    "created": "2014-12-09T13:50:49.641000Z",

    "edited": "2014-12-20T20:58:18.411000Z",

    "url": "https://swapi.dev/api/planets/1/"

}

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

### Base URL

The Base URL is the root URL for all of the API, if you ever make a request to swapi and you get back a 404 NOT FOUND response then check the Base URL first.

#### The Base URL for swapi is:

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

The documentation below assumes you are prepending the Base URL to the endpoints in order to make requests.

### Authentication

Swapi is a completely open API. No authentication is required to query and get data. This also means that we've limited what you can do to just GET-ing the data.

### Request Headers

Request Content Type: application/json

Response Content Type: application/json

### Response Codes

Every web code returns a response code to display whether it is successful or had an error.

| **Response Code** | **Description** |
| --- | --- |
| 200 OK | Successful operation |
| 400 | Invalid input |
| 404 | Wrong URL |

### Rate limiting

Swapi has rate limiting to prevent malicious abuse (as if anyone would abuse Star Wars data!) and to make sure our service can handle a potentially large amount of traffic. Rate limiting is done via IP address and is currently limited to 10,000 API request per day. 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.

## API Reference

### People

A People resource is an individual person or character within the Star Wars universe. This API is used to get all the people resources, get a specific people resource, and view the JSON schema for this resource.

### Method

GET

### Request URL:

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

### End Point:

* /people/ -- get all the people resources
* /people/id/ -- get a specific people resource

### Parameters:

| **Parameter** | **Data Type** | **Description** |
| --- | --- | --- |
| name \* | string | The name of this person. |
| height \* | string | The height of the person in centimeters. |
| mass \* | string | The mass of the person in kilograms. |
| hair\_color \* | string | The hair color of this person. Will be "unknown" if not known or "n/a" if the person does not have hair. |
| skin\_color \* | string | The skin color of this person. |
| eye\_color \* | string | The eye color of this person. 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, using the in-universe standard of BBY or ABY - Before the Battle of Yavin or After the Battle of Yavin. The Battle of Yavin is a battle that occurs at the end of Star Wars episode IV: A New Hope. |
| gender \* | string | The gender of this person. Either "Male", "Female" or "unknown", "n/a" if the person does not have a gender. |
| homeworld \* | string | The URL of a planet resource, a planet that this person was born on or inhabits. |
| films \* | Array | An array of film resource URLs that this person has been in. |
| species | Array | An array of species resource URLs that this person belongs to. |
| starships | Array | An array of starship resource URLs that this person has piloted. |
| vehicles | Array | An array of vehicle resource URLs that this person has piloted. |
| url \* | String | The hypermedia URL of this resource. |
| created \* | String | The ISO 8601 date format of the time that this resource was created. |
| edited \* | String | The ISO 8601 date format of the time that this resource was edited. |

### Example 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/",

"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/"

},

{

"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": [

"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/",

"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/"

],

"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/"

}

]

}

