# Star Wars API Overview

## Introduction

Welcome to the SWAPI, the Star Wars API!

SWAPI helps all the fans of Star Wars movies to play around with the Star Wars universe’s people and retrieve detailed information about them. SWAPI uses standard HTTPS requests and responses.

This documentation will help you to understand the endpoints and make API calls to get to know more about your favorite Star Wars characters.

## Getting Started

SWAPI is an open API. You can use any API platform that supports REST APIs to make the API calls. SWAPI supports the following environments: Python, JavaScript, Android, Java, Go, PHP, Ruby, C Sharp, Objective C, Angular, R, F#, and Elixir.

## Authentication

SWAPI is an open API. No authentication is required to query and get data.

## Headers

Request content type – *application/json*

Request content type – *application/Wookiee*

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

Using the wookiee renderer is easy, just append ?format=wookiee to your urls:

For example, https://swapi.py4e.com/api/planets/1/?format=wookiee

## Return Status Codes

|  |  |  |
| --- | --- | --- |
| **HTTP Status Code** | **Status Code** | **Description** |
| 200 OK | Success | Request is processed correctly |
| 404 Not found | Data not found | Data indicated in the request is not available in the SWAPI system |

## Rate Limits

Rate limiting is done via IP address and is currently limited to 10,000 API request per day.

# API Reference for endpoint /people

This API retrieves all the information about the people in the Star Wars universe.

## Introduction

A People resource is an individual person or character within the Star Wars universe.

## Resource

/people

## Method

GET

## Base URL

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

## Request URL

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

## Example Request

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

## Query parameter

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| people | string | Retrieves all the people resources |

## Response parameters

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| name | string | Name of the person |
| height | int64 | Height of the person in centimetres |
| mass | int64 | Mass of the person in kilograms |
| hair\_color | string | Hair color of the person. "unknown" if not known or "n/a" if the person does not have hair. |
| skin\_color | string | Skin color of this person |
| eye\_color | string | 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 | 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 | Gender of this person. Either "Male", "Female" or "unknown", "n/a" if the person does not have a gender |
| homeworld | string | 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 |
| vehicles | array | An array of vehicle resource URLs that this person has piloted |
| starships | array | An array of starship resource URLs that this person has piloted |
| created | string | ISO 8601 date format of the time when this resource was created |
| edited | string | ISO 8601 date format of the time when this resource was edited |
| url | string | Hypermedia URL of the people 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/"

## },

## {

## "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.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/4/",

## "https://swapi.py4e.com/api/films/5/",

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

## ],

## "species": [

## "https://swapi.py4e.com/api/species/2/"

## ],

## "vehicles": [],

## "starships": [],

## "created": "2014-12-10T15:10:51.357000Z",

## "edited": "2014-12-20T21:17:50.309000Z",

## "url": "https://swapi.py4e.com/api/people/2/"

## },

## Postman Screenshot of people

Graphical user interface, text, application, email

Description automatically generated

# API Reference for endpoint /people/:id/

## Introduction

This API retrieves information about a specific person or character within the Star Wars universe.

## Resource

/people/:id

## Method

GET

## Base URL

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

## Request URL

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

## Example Request

https://swapi.py4e.com/api/people/5

## Query parameter

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| people | string | Retrieves all the people resources |
| id | int64 | Unique identification number of the character |

## Response parameters

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Data type** | **Description** |
| name | string | Name of the person |
| height | int64 | Height of the person in centimetres |
| mass | int64 | Mass of the person in kilograms |
| hair\_color | string | Hair color of the person. "unknown" if not known or "n/a" if the person does not have hair. |
| skin\_color | string | Skin color of this person |
| eye\_color | string | 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 | 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 | Gender of this person. Either "Male", "Female" or "unknown", "n/a" if the person does not have a gender |
| homeworld | string | 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 |
| vehicles | array | An array of vehicle resource URLs that this person has piloted |
| starships | array | An array of starship resource URLs that this person has piloted |
| created | string | ISO 8601 date format of the time when this resource was created |
| edited | string | ISO 8601 date format of the time when this resource was edited |
| url | string | Hypermedia URL of the people resource |

## Sample Response

{

"name": "Leia Organa",

"height": "150",

"mass": "49",

"hair\_color": "brown",

"skin\_color": "light",

"eye\_color": "brown",

"birth\_year": "19BBY",

"gender": "female",

"homeworld": "https://swapi.py4e.com/api/planets/2/",

"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/30/"

],

"starships": [],

"created": "2014-12-10T15:20:09.791000Z",

"edited": "2014-12-20T21:17:50.315000Z",

"url": "https://swapi.py4e.com/api/people/5/"

}