

VariFlight

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API docs

Airline Information V1.0

Basic Airline Information Provider Interface.

produced by

VariFlight

With a vision of "living on time", a
global leading aviation data intelligence
company

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1.0

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This documentation is Intended to provide developers with a comprehensive understanding of our API endpoints, methods, requests, and responses, enabling them to effectively access data provided by Variflight.

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Introduction

This article describes how to use the Airline Information API, version 1.0.

It offers fundamental airline data such as IATA code, ICAO code, alliance membership, and airline branding.

Authentication

The interface uses both token and IP for concurrent verification.

Token generation algorithm:

In the URL, all request parameters (excluding the token) are sorted in ascending order by KEY, the parameter names are connected in lowercase with the '&' symbol, then connected with the value of the **Registration code**, and then encrypted twice using MD5 (32-bit lowercase) encryption.

Registration code: Please obtain the registration code from the administrator of VariFlight. It is necessary for verification during the request process by both parties. Please be careful not to disclose it to the public.

Example (PHP):

```
ksort($data);
    foreach($data as $k=>$v){
        $strtomd5[]=$k.'='.$v;
    }
    $token= md5(md5(implode('&', $strtomd5).$appsecurity));
```

Note: \$appsecurity=Registration code

API Endpoints

The base URL for all requests is:

```
https://open-al.variflight.com/api/airlineinfo?
```

The way to request: **GET**

The format of return: **JSON**

Query : IATA code

Request parameters:

`iata` : Airline's IATA code

`appid` : Appid (Obtain from your sales)

`token` : Token

Example URL:

```
http://open-al.variflight.com/api/transfer?appid=10176&iata=DL&token=$token
```

How to spell token:

Step1: Input parameters

```
appid=10176&iata=DL
```

Step2: Encrypted string with lower case parameters sort

```
$str= 'appid=10176&iata=DL'
```

Step3: Use Registration code

```
$appsecurity= '56934765683fc'
```

Step4: Spell token

```
token=md5(md5($str.$appsecurity))
```

In this example, token= 25220110577f3a48177042fcd8575287

Note: ‘.’ symbol is the connectors in PHP

Error Responses

Return parameter	Description
1	Wait for auditing
2	The visiting ip have not been joined in White List
3	Lack of parameters or parameter identification failed
4	No data permissions
10	No data
0	User does not exist
11	Unknown error

Return Parameter Examples

Example 1: Failed return

```
{  
  error_code: 3,  
  error: " wrong departure city format "  
}
```

Example 2: Successful return

```
[
  {
    AirName: "Delta Air Lines",
    AirCName: "达美航空公司",
    AirIATA: "DL",
    AirICAO: "DAL",
    AirCtry: "US",
    AirType: "I",
    AirAlliance: "SkyTeam",
    LoGopic:
      "
      AAAAwCAMAAABg3Am1AAAASFbMVEUAAADyABa5ABquABu
      iABzyABbyABbJABnyABbyABa0ABqoABvWABjyABa+ABryABby
      ABbyABa3ABryABayABryABaOAB2XAByxqkLYAAAAFXRSTIMA
      QHDO/mMgOcjsnO5TEB+AoJCHs7K6OkqgAAABEUIEQVRix+3
      TSZKDMAwF0GbwBKYJIZLvf9MUpaTkAUdmnWjp+m/xbevNz
      wPdS3/H2C5BGaE/Uq+RwToLoBwANeeH/AAsLbmTSAAuhGM
      +AK2LX/HNwDf9gQM3NLYmEBbb48xACM3ZtDUe8IUgJla5wA
      WoXEbNuHT5eDzJwwJkHs/MAFibxPOAejqmIXALjYmIPUodeA
      qT8ATJuVisZ40TuLHCZFq7zGLZ8QWa5bFjc6IP/90453iM8KNiL
      dwtnwDxXvKzHRLN9qezpaf0EfxfuRrtV1ETNw4jRPIiY3XbKb4F
      MqHc4rIDoobGI4zylne0nsaPn2Nle6oFmfAkxDDcQbFbPodpz0Q
      AdBbUlwETL5xnmJzPngN2IHnAAAAAEIFTkSuQmCC
      "
  }
]
```

Return Parameter Details

Return parameter	Description
AirName	Airline name
AirCName	Airline name (Chinese)
AirIATA	Airline IATA code
AirICAO	Airline ICAO code
AirCtry	Airline's country ISO code (eg: USA's ISO code is ' US')
AirType	Airline business types (I : International airline; C : Cargo airline; A : Regional airline)
AirAlliance	Airline alliance member
LoGopic	Airline's logo picture (Base64 encoding)