

**U.S. Department of Transportation
Federal Aviation Administration**

**FAA API Portal
Discover, Learn and Request Access
Version 1.0**



Prepared for the Federal Aviation Administration
800 Independence Avenue SW, Washington, DC 20591

Revision History

| Version | Description | Date |
|----------------|--------------------|-------------|
| 1.0 | Initial version | 10/12/2022 |
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1. Purpose

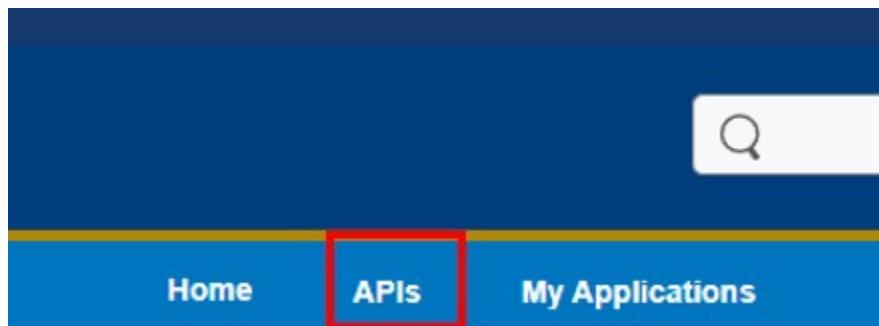
This document provides steps for user to discover an API, learn about the API and Get access to the API.

2. Login to FAA's API portal

- Visit <https://api.faa.gov> and click on Login (located at Top right corner)
- If you are a FAA internal user (having FAA email address), login to the portal using FAA's SSO.
- If you are an external user (does not have FAA email address), Login using your registered user id and password. If you do not have a user id/password to the portal, Please refer the registration guide on how to register to the portal.

3. Discovering an API

- After successful login to API portal, click on APIs link in the header.



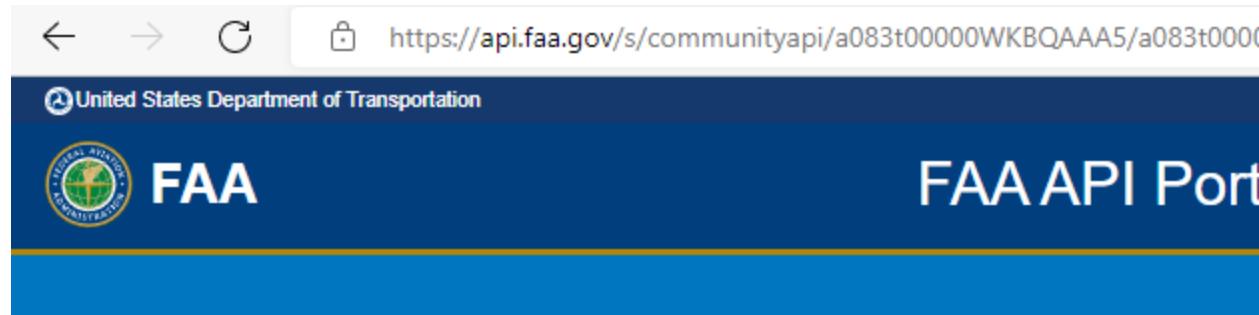
It will show all the APIs published by FAA

- Type in API name in Filter by Keywords (in this case, AVS Air Carrier API). It will show the API. Select the API

The screenshot shows the FAA API Portal interface. At the top, the FAA logo and the text "FAA API Portal" are visible. Below this, the "API Catalog" is displayed. A search bar is present with the text "Filter by Keywords" and the input "Air Car". A result card for the "AVS Air Carrier API" is shown, featuring a house-like icon, the text "AVS Air Carrier API", and a "API Details" button.

4. Learn API details

- API details are shown. **In case, an error page is shown, please refresh the page.**



AVS Air Carrier API 1.0

Download Spec as RAML Export Spec as OAS

Home API title: PRD Air Carrier API

Summary Version: v1
https://{{domain}}.faa.gov

Endpoints

Types

1. Click on Home to see the API details.
2. Expand Endpoints to see the end points for the APIs, request and response payloads.
3. Download the API specification in RAML or OAS formats using the provided buttons.

5. Requesting Access to API

- API access can be requested through Request Access button. It will show a screen as below:

Select an instance

▼

Select an SLA Tier

▼

| # of requests | Time Period | Time Unit |
|---------------|-------------|-----------|
| 50 | 1 | Minute |

Select an existing client application Create a new client application

Client application name

Client application description (Optional)

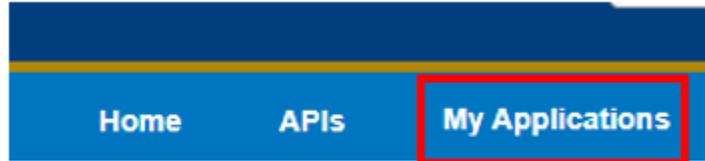
OAuth 2.0 redirect URIs (Optional) ⓘ

Cancel Request

- Select environment instance:
If you are an internal user (Logged in using FAA SSO), Select Development or Production instance.
If you are an external user (outside of FAA network), Select Production instance.
- Fill in Your application name that is requesting access. While requesting access please follow the naming standards as "**Test–Air Carrier Name–Air Carrier Code–PRD API**"
 - Air Carrier Name – Should be the name or the Airlines
 - Air Carrier Code – Airline code
- Click Request. Request will be submitted for review.

6. Getting API access credentials

- Upon review and approval, notification will be sent to the registered email address.
- Login to the api portal again and click on My Applications.



- It will show your applications.

| Client Application | Credentials |
|--------------------|-------------|
|--------------------|-------------|

• TestClientApp



- Click on View to get the credentials.
- View button also shows the application details. Such as API contracts metrics etc.

7. Using API access credentials when invoking API

- After having the access credentials, include them as part of request header when invoking the end point.
- Key should be client_id and client_secret. The value are the credentials obtained through portal. Example of Postman is shown.

<https://dev-cloud-1b-alb-api.faa.gov/AirCarrierApi/Pilot>

POST <https://external-api.faa.gov/AirCarrierApi/Pilot>

| Params | Authorization | Headers (10) | Body | Pre-request Script | Tests | Settings |
|-------------------------------------|---------------|-------------------|------|--------------------|-------|----------|
| | | KEY | | | | |
| <input checked="" type="checkbox"/> | | Postman-Token ⓘ | | | | |
| <input checked="" type="checkbox"/> | | Content-Type ⓘ | | | | |
| <input checked="" type="checkbox"/> | | Content-Length ⓘ | | | | |
| <input checked="" type="checkbox"/> | | Host ⓘ | | | | |
| <input checked="" type="checkbox"/> | | User-Agent ⓘ | | | | |
| <input checked="" type="checkbox"/> | | Accept ⓘ | | | | |
| <input checked="" type="checkbox"/> | | Accept-Encoding ⓘ | | | | |
| <input checked="" type="checkbox"/> | | Connection ⓘ | | | | |
| <input checked="" type="checkbox"/> | | client_id | | | | |
| <input checked="" type="checkbox"/> | | client_secret | | | | |
| | | Key | | | | |

8. Get Help

When you need help, please reach out to the data steward for additional help.