

Welcome to developer.aero

Accessing your API Key

Welcome to developer.aero, your single gateway to a world of aviation data and services. This guide explains how to access you API Key. If you have any problems, please contact <u>api.coe@sita.aero</u>.

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SITA

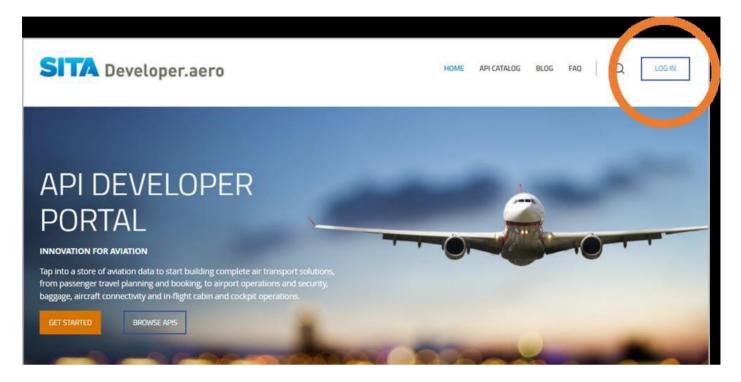
Contents

Stage One: Register for an account	3
Stage Two: Login to your account	4
Stage Three: Access your apps	5
Stage Four: Retrieve Details on a Specific App	5
Stage Five: Retrieve your API Key	6
API Specification - Verify App Credentials	7
API Authentication Methods	8
Authentication Method 1: oauth (1 step)	8
Authentication Method 2: oauth (2 step)	9
Authentication Method 3: apikey	11
Authentication Method 4: request headers	12
Authentication Method 5: 'Try it out' is not visible	13
Need Help?	14

SITA

Stage One: Register for an account.

Visit www.developer.aero and click "Log In".



Click "create new account" and complete your details.

SITA Developer.aero	HOME	API CATALOG	BLOG	FAQ	I	Q	LOG IN
CREATE NEW ACCOUNT							
LOG IN CREATE NEW ACCOUNT *Company	RESET YOUR PASSWOR						

After creating your account, you will receive an email from developer.aero containing a link and instructions on how to complete your account registration. Clicking on the contained link will take you to your account profile page on developer.aero. You will need to input and save your password on this page to complete your registration.



Stage Two: Login to your account

If you have already registered, log in to <u>www.developer.aero</u> with your username and password.

Note: If someone in SITA has registered the account on your behalf, you will receive an email from the developer portal to generate/reset your password. Please check this email and reset your password before login.

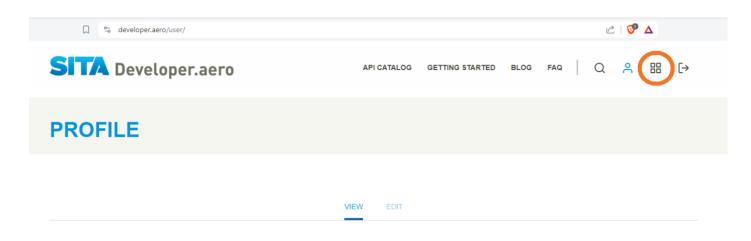
SITA Developer.aero		HOME	API CATALOG BLO	s faq Q	LOGIN
O A https://www.developer.aero/user/login					ជ
SITA Developer.aero		НОМЕ АРІ САТА	LOG BLOG FAQ]
LOG IN					
	LOG IN CREATE NEW ACCOUNT RESET YOUR	PASSWORD			
*Ema e *Pass	your_user_name@company.com				
		Loc	IN		



Stage Three: Access your apps

You should receive an email notification when your new app is available for use.

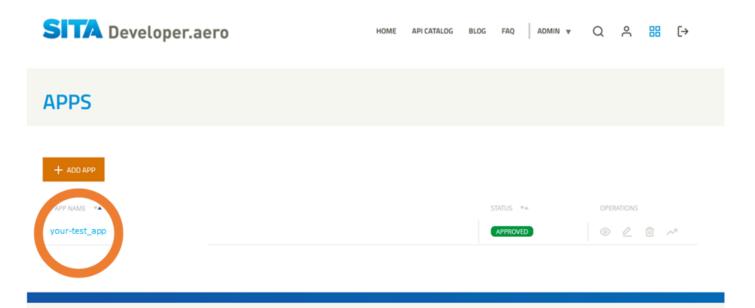
To view your apps, login and click on the app's icon in the top right-hand menu. This will display your apps page containing links to all your configured apps.



Please be aware, you will not see your new app on this page until it has been configured and enabled for your account. Please contact <u>developer.aero support</u> if required.

Stage Four: Retrieve Details on a Specific App.

You will then see a list of available apps. Please click on the name of the app you wish to access.





Stage Five: Retrieve your API Key

Clicking on the app name will open a new screen which shows the API credentials.

Click on "Show key" to retrieve your API key and secret.

Details		
APP NAME your-test_app		
APP STATUS APPROVED	CREATED 1 month 1 week ago	
LAST UPDATED 1 month 1 week ago		
Credential		
CONSUMER KEY This is your API key. Press 'Show key' to view. Show key	APIs TrialPack-SITA On Time Performance API	ENABLED
CONSUMER SECRET This is your API secret. Press 'Show key' to view. Show key		
ISSUED 1 month 1 week ago		
EXPIRES 1 month 2 weeks hence		
KEY STATUS APPROVED		



API Specification - Verify App Credentials

You can verify your new API credentials and run test requests by clicking on the 'Reference Documentation' tab that appears on your API's documentation page.

This will open an API specification page similar to below.

API DESCRIPTION REFERENCE DOCUMENTATION	
scription A Flight Duration API provides duration statistics for flights between two Airports based on data collected from our real-time flight Information system. Note th Ites that don't have previous duration data available), will return a duration based on estimated distance and speed. These are an estimation and may not reflec	
https://www.developer.aero/system/files/2024-03/flight-duration-api_1.1.15.json	
DOTS Support - WebsiteSend email to DOTS Support	
DOTS Support - WebsiteSend email to DOTS Support	
	Authorize 🔒
Servers	Authorize
Servers https://sitaopen.api.aero/duration - Production	

You will need to authenticate your access to the API prior to sending requests on developer.aero.

The authentication method used is dependent on the API being accessed. Some of the more common authentication methods are described in the next section for guidance.



API Authentication Methods

Authentication Method 1: oauth (1 step)

API securityScheme: oauth2, clientCredentials

Servers Endpoint: Ensure the required endpoint is selected before proceeding. There may be more than one available.



Authorize: Click on the Authorize button.

If you only see one authentication method listed after clicking Authorize, the token endpoint is configured in the API specification file.

A	vailable authorizations	×
	Scopes are used to grant an application different levels of access to data on behalf of the end user. Each API may declare one or more scopes.	
	API requires the following scopes. Select which ones you want to grant to Swagger UI.	
	oauth (OAuth2, clientCredentials)	
	Token URL: https://sitaopen.api.aero/data/oauth/token	
	Flow: clientCredentials	
	client_id:	
	1	
	client_secret:	
	Authorize Close	

Enter your API credentials:

Copy and paste your API key and secret into the client_id and client_secret input fields respectively.

Click on Authorize. This will send a request to retrieve your token from the configured Token URL endpoint.



Click on Close to close the Authorize pane. You should now be authenticated to use the API via the 'Try it Out' panels.

When finished, you can invalidate your token by clicking on the Authorize button and selecting to Logout.

Troubleshooting Authentication Errors:

oauth (OAuth2, clientCredentials)						
Token URL: https://sitaopen.api.aero/duration/oauth/token Flow: clientCredentials client_id:						
incorrect key						
client_secret:						
•••••						
Auth Error Error: Forbidden						
Authorize Close						

If you receive an error during Authorize, there may be an issue with your new credentials or app configuration. Please contact <u>developer.aero support team</u> for assistance.

Authentication Method 2: oauth (2 step)

API securitySchemes:

- http, Basic
- http, Bearer

Servers Endpoint: Ensure the required endpoint is selected before proceeding. There may be more than one available.

https://servicenow-uat.api.aero - SANDBOX	~
https://servicenow-uat.api.aero - SANDBOX	
https://servicenow.api.aero - PROD	



Authorize: Click on the Authorize button.

If you see two authentication methods listed as shown below:

- the first is used to enable access to the /token request. Your app credentials (key and secret) should be supplied here.
- the second is used to access the API. A valid token needs to be supplied here.

Available authorizations ×
OAUTH_TOKEN (http, Basic)
Enter your app credentials (client key and secret) in the fields named username and password. Click Authorize and then Close to enable access to OAuth Token. You can then retrieve a JWT token that can be used to authenticate access to Service Management APIs.
Username:
Password:
Authorize Close
SERVICE_MANAGEMENT_APIS (http, Bearer)
Enter the JWT token value from your OAuth Token response. Click Authorize and then Close to enable access to Service Management APIs.
Value:

Step 1: Authenticate for token request using your app credentials.

Click on Authorize button. Enter your API credentials (API key and secret) in the Username and Password input fields respectively. Click Authorize and Close.

Step 2: Retrieve a token

OAuth Token	^
GET /v1/oauth-common/token Retrieve a token to enable access to Service Management APIs.	<u> </u>
Used to retrieve a JWT token to enable access to Service Management APIs. Requests should be authorized using your app credentials (client key and secret). Authorize your request by clicking on Authorize and follow the instructions in section OAUTH TOKEN.	
Parameters	Try it out

Click on 'Try it out' and send a request to retrieve a token. Copy the token value from the returned response.



Step 3: Authenticate for API using your token

Click on Authorise again and in the second authentication area (http, Bearer), paste your token and click Authorize. Click on Close when finished.

SERVICE_MANAGEMENT_APIS (http, Bearer)						
Enter the JWT token value from your OAuth Token response. Click Authorize and then Close to enable access to Service Management APIs.						
Value:						
1						
Authorize Close						

This token will authenticate your access to the API. You can now proceed to use the API by clicking on any of the 'Try it out' buttons.

Troubleshooting:

- If you submit another /token request by accident after completing the above authentication steps, you will need to reopen the Authorize panel and enter your new token (under http, Bearer) and click Authorize.
- Your API credentials (API key and secret), and retrieved tokens, are environment specific.
 Ensure all your requests are run against the correct server endpoint. Example: you will not be able to access PROD server endpoints using app credentials that were configured for UAT.

Authentication Method 3: apikey

API securitySchemes: apiKey

Servers Endpoint: Ensure the required endpoint is selected before proceeding. There may be more than one available.

Authorize: Click on the Authorize button. Enter your app API key and click Authorize. Click on Close. You should now be authenticated to use the API.

Available authoriz	ations		×
api_key (apiKey) Name:api_key In: <u>header</u> Value:			
	Authorize	Close	



Authentication Method 4: request headers

Servers Endpoint: Ensure the required endpoint is selected before proceeding. There may be more than one available.

Authorize: There will be no Authorize button visible. Instead, when you click on any of the 'Try it out' buttons, you will be able to enter values in the header input fields to authenticate your request.

Usually, you will need to enter your app API key in the input field of similar name.

	REFERENCE DOCUMENTATION			
ription SITA ACRIS API allows	Airports and Airlines to publish flight statu	s changes to the SITA Flight Information ser	vice using the specification outlined b	elow.
tps://www.developer.aero/sy	tem/files/2021-09/FLIFO-ACRIS-Publish.json			
OTS Support - Websites	end email to DOTS Support			
ervers https://sitaopen-qa.api	.aero/acris - QA			
nups.//staopen-qa.ap				
	DI Cand flight undetee			
LIFO ACRIS A	PI - Send flight updates			/
	NPI - Send flight updates	essed.		/
POST /v1/fli				
POST /v1/fli	<pre>shts/update Send a flight update to be proc</pre>			Try it out
POST /v1/flig This operation is used Parameters	<pre>shts/update Send a flight update to be proc</pre>			
POST /v1/fli This operation is used Parameters NAME	shts/update Send a flight update to be proceed to send the details of a flight update to be proceed to send to sen			
POST /v1/flig This operation is used Parameters NAME Diagonal X- A apiKey * required E	<pre>shts/update Send a flight update to be proc to send the details of a flight update to be proc</pre>			
POST /v1/fli, This operation is used Parameters NAME DI X. A apiKey * required E string (header)	to send the details of a flight update to be processed to send to			

SITA Authentication Method 5: 'Try it out' is not visible

Some of our APIs do not enable the Try It Out functionality and prefer to provide new users with sample resources for download. You will not see Authorize or 'Try it out' buttons on these APIs.

You will be informed of this, if applicable, when given access to these APIs. Instructions for authenticating to use these API is usually provided to you on your app which you can access on your <u>apps page</u> (log in required).

Description Provides a set of APIs for interacting with Self Baggage Drop (SBD) do	evices.
https://www.developer.aero/system/files/2022-11/SITA-Flex-BagDropAPI_V2.json	
Servers https://api-preprod.sitaflex.aero - Pre-Production v	
BagDrop API	^
GET /bagdrop/v2/device/{deviceId} Gets a device	e by deviceid.
Parameters	
NAME DESCRIPTION	
deviceId * required Device identifier.	
string (path) deviceId	
Responses	
CODE DESCRIPTION	LINKS
Ok.	No links



Need Help?

Authentication issues:

If you receive an error when trying to Authorize access to an API, please log in and contact <u>developer.aero support</u> for assistance. Note: We will be able to find your account and app details faster if you are logged in prior to contacting us.

Troubleshooting API issues:

If you have difficulty using one or our APIs or would like to request further information, please refer to the Contact Us section of the API's documentation. Here you will find dedicated contact forms that will direct your query to the correct team.

API DESCRIPTION REFERENCE	DOCUMENTATION		
Publish Flight Information - ACRIS API	Overview		
Publish Flight Information - AMSOpen	Flight duration Service provides a simple API that allows users to determine the average flight duration in minutes. This average time is based on historical flight data collected by the SITA Flight Information system over the past number of years. Note that new routes we receive (routes that don't have previous duration data available), will return a duration based on estimated distance and speed. These are an estimation and may not reflect true duration values		
ITA AIDX Updates API			
ITA Flight Connection API			
ITA Flight Duration API	This API answers the below questions"		
Overview	What was the total time of the flight?		
1 Revision History	See our 'Try it Now' page for more details.		
2 Registration and API Sign Up			
3 SITA Flight Duration API	FLIGHT DURATION API		
4 Error Response			
5 Appendix A SITA Flight Duration	1 Revision History		
API Use Cases	DATE VERSION DESCRIPTION		
Contact Us	2 Entructory 2024 4.0 Initial varian		

API Support: For API related issues, please contact use the API support contact form if available. We will be able to find your account and app faster if you log in prior to contacting us. For troubleshooting issues, it helps if you can also provide your app name, last 4 characters of API key and full error response.

General Queries – use the General Queries contact form.

Not sure who to contact?

If unsure of who to contact, please log in and contact <u>developer.aero support</u> and we will direct your query to the correct person.