

Trip Kit as a Service API

API Guide

Release Version 2.1



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Jeppesen
55 Inverness Drive East
Englewood, Colorado 80112-5498

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Contents

Introduction to the Trip Kit API.....	1
Before you begin.....	1
Quick start.....	2
Setting up a certificate.....	2
Importing the Trip Kit API collection and environment files.....	4
Getting a token.....	8
Requesting a trip kit.....	9
Getting the trip kit S3 URL.....	10
API reference.....	11
Workflow.....	11
1. Authenticate.....	11
2. Request a trip kit.....	15
3. Get trip kit PDF.....	21
4. Download Trip Kit PDF.....	24
Troubleshooting.....	25
Messages from the Request a Trip Kit API.....	26
Messages from the Download Trip Kit API.....	28
Terms and Conditions.....	30
Release notes.....	31

Introduction to the Trip Kit API

The Jeppesen Trip Kit as a Service API enables you to integrate your company applications with the Jeppesen Trip Kit service. This API removes the need for manual effort and expedites data retrieval through system-to-system interaction.

The API is called by another system or service. With the expected parameters, the API generates a trip kit PDF, stores it, and passes the location to the calling system or service for distribution to the user's mobile app. This guide provides information about the expected call and response types.

Before you begin

To use the Jeppesen Trip Kit as a Service API, certain prerequisites must be met.

First, your company must have a signed contract with Jeppesen. Your company can sign a contract for a test and evaluation version or a contract for the production version. If you used the test and evaluation version, you must repeat the setup process for the production version.

The Jeppesen Professional Services team works with your company to secure credentials for integrated access management (IAM). After these credentials are set up, you can use the Trip Kit as a Service API.

Quick start

This section presents the steps for setting up your environment to use the Trip Kit as a Service API, using the Postman API development environment. If you use another API development environment, you can adapt the steps shown here.

You can download the most current version of Postman [here](#).

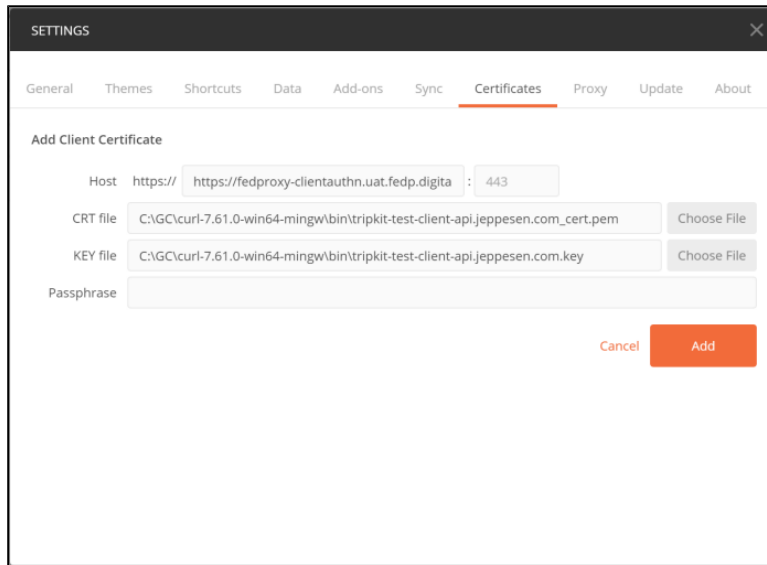
Setting up a certificate

The first step to setting up the Postman environment is to set up your certificate.

1. Open Postman.
2. Go to **File > Settings > Certificates > Add Certificate > .**

3. Complete the Add Client Certificate page.

In this box:	Enter:
Host	<p>The Identity Access Management (IAM) address:</p> <p>Evaluation: <code>https://fedproxy-clientauthn.uat.fedp.digitalaviationservices.com:443</code> Production: <code>https://fedproxy-clientauthn.fedp.digitalaviationservices.com:443</code></p>
CRT file	Your PEM certificate. The certificate must be a Base64-encoded ASCII file and contain "-----BEGIN CERTIFICATE-----" and "-----END CERTIFICATE-----" statements.
KEY file	Your private key. The key must be a Base64-encoded ASCII file and contain "-----BEGIN PRIVATE KEY-----" and "-----END PRIVATE KEY-----" statements.
Passphrase	If your private key is protected by a passphrase, enter it here. The passphrase is optional.



The screenshot shows a 'SETTINGS' window with a dark header and a light body. The 'Certificates' tab is selected. The 'Add Client Certificate' section contains the following fields:

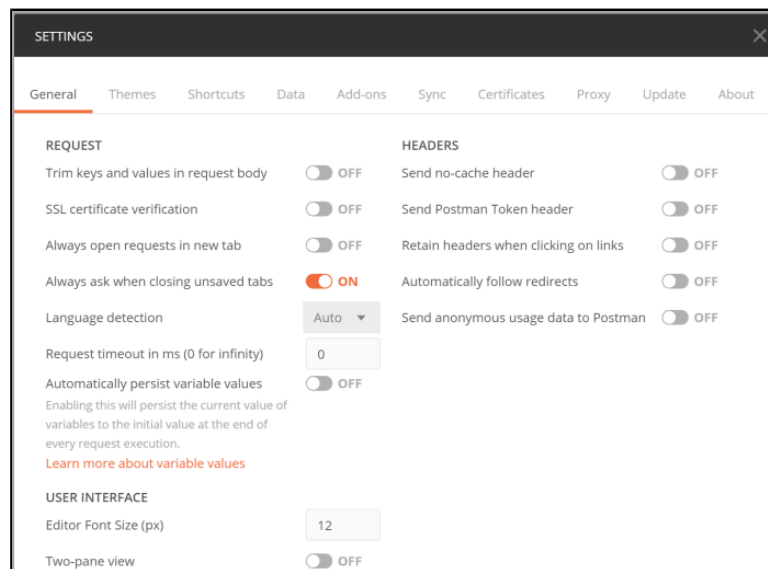
- Host:** A text field with the value 'https://' followed by a dropdown menu showing 'https://fedproxy-clientauthn.uat.fedp.digita' and a port field with '443'.
- CRT file:** A text field with the path 'C:\GC\curl-7.61.0-win64-mingw\bin\tripkit-test-client-api.jeppesen.com_cert.pem' and a 'Choose File' button.
- KEY file:** A text field with the path 'C:\GC\curl-7.61.0-win64-mingw\bin\tripkit-test-client-api.jeppesen.com.key' and a 'Choose File' button.
- Passphrase:** An empty text field.

At the bottom right of the form are two buttons: 'Cancel' (light gray) and 'Add' (orange).

- Click **Add**.
- Click the **General** tab.

6. On the General page, set the defaults. The defaults appear in the following image. In particular:

- Set **SSL certificate verification** to OFF.
- Set **Automatically follow redirects** to OFF.

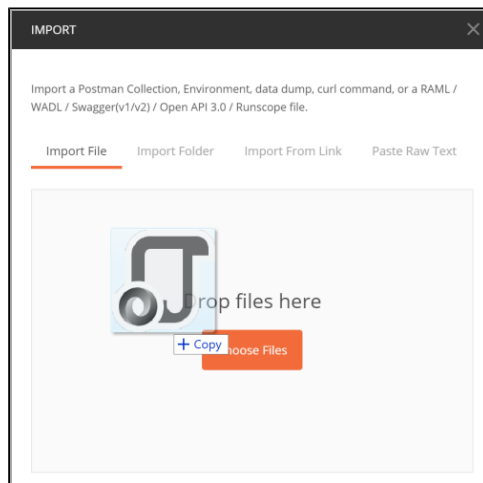


Importing the Trip Kit API collection and environment files

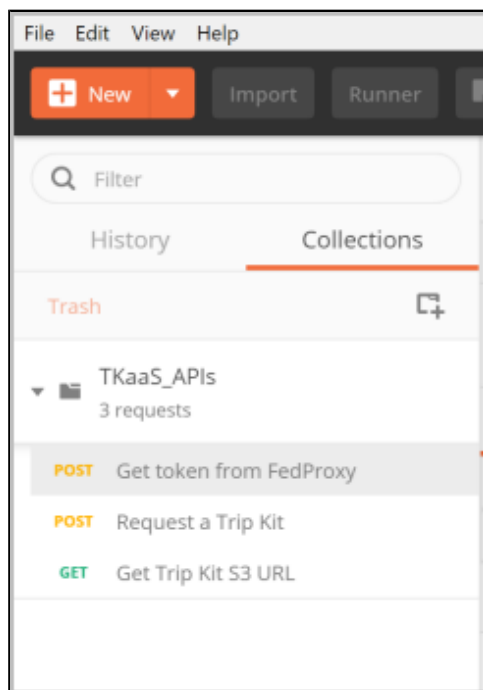
The Trip Kit as a Service API collection and environment files are created with your Jeppesen representative during the onboarding process. Import these files into Postman.

1. Download the following collection and environment JSON files to a local drive.
 - [TKaaS_APIs.postman_collection.json](#)
 - [Trip Kit Environment.postman_environment.json](#)
2. To import the Postman Collection file, go to **File > Import**.

3. Drag the `TKaaS_APIS.postman_collection.json` file into the Import window.



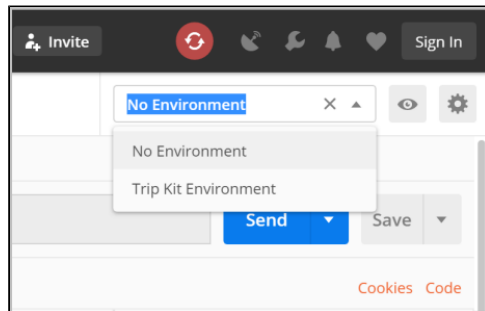
The Collections tab on the homepage shows the Trip Kit as a Service API collections.



4. To import the Postman Environment files, go to **File > Import**.

5. Drag the `Trip Kit Environment.postman_environment.json` file into the Import window.

Trip Kit Environment appears in the Environment menu.



6. To complete the environment information, select **Trip Kit Environment** from the environment menu on the toolbar.

7. Enter the following client variables. These are provided by your Jeppesen Professional Services representative.

- Client ID
- Company code
- Company name
- IAM host
 - Evaluation: `https://fedproxy-clientauthn.uat.fedp.digitalaviationservices.com:443`
 - Production: `https://fedproxy-clientauthn.fedp.digitalaviationservices.com:443`
- Server
 - Evaluation: `https://tripkit-api.tripkit-eval.jeppesen.com/v1`
 - Production: `https://tripkit-api.jeppesen.com/v1`

MANAGE ENVIRONMENTS

Environment Name
Trip Kit Environment

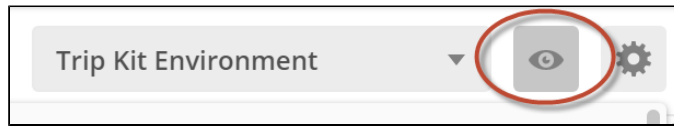
	VARIABLE	INITIAL VALUE ⓘ	CURRENT VALUE ⓘ	***	Persist All	Reset All
<input checked="" type="checkbox"/>	client_id	gc1-api-client	gc1-api-client			
<input checked="" type="checkbox"/>	company_code	GC1	GC1			
<input checked="" type="checkbox"/>	company_name	Ground Controls Inte...	Ground Controls Internal 001			
<input checked="" type="checkbox"/>	iam_host	https://fedproxy-clien...	https://fedproxy-clientauthn.uat.fedp.digitalaviationservi...			
<input checked="" type="checkbox"/>	server	https://tripkit-api.trip...	https://tripkit-api.tripkit-eval.jeppesen.com/v1			
	Add a new variable					

ⓘ Use variables to reuse values in different places. Work with the current value of a variable to prevent sharing sensitive values with your team. [Learn more about variable values](#)

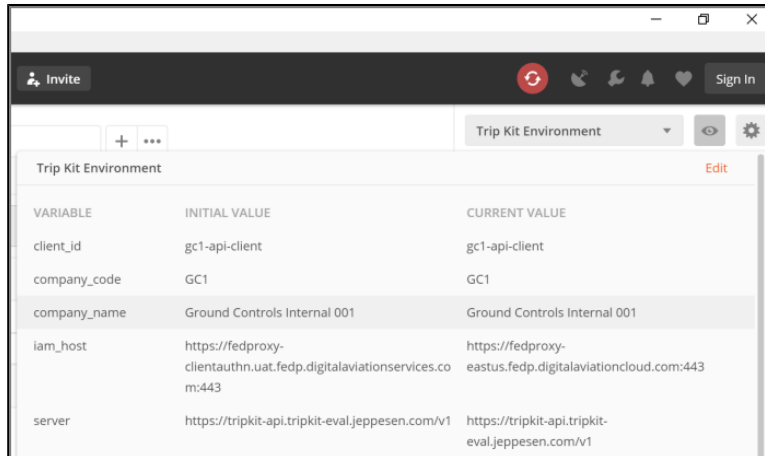
Cancel
Update

8. Click **Update**.

- To verify the update, click the **View** button on the toolbar.



The application displays the Trip Kit Environment details.

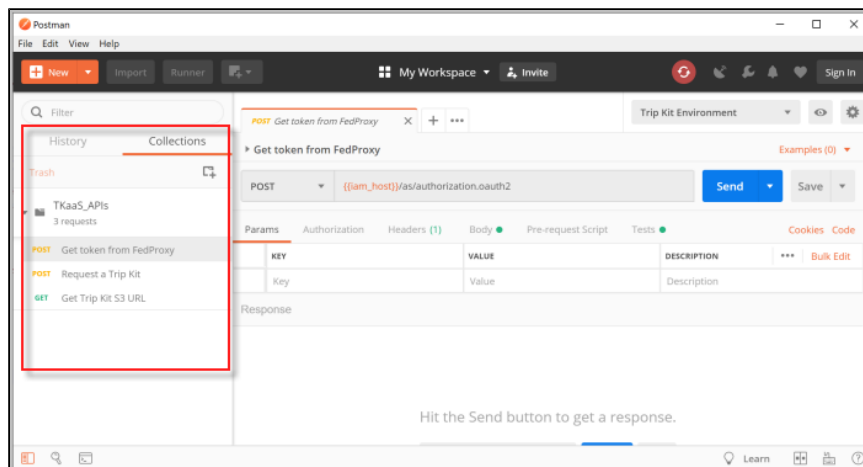


VARIABLE	INITIAL VALUE	CURRENT VALUE
client_id	gc1-api-client	gc1-api-client
company_code	GC1	GC1
company_name	Ground Controls Internal 001	Ground Controls Internal 001
iam_host	https://fedproxy-clientauthn.uat.fedp.digitalaviationservices.com:443	https://fedproxy-eastus.fedp.digitalaviationcloud.com:443
server	https://tripkit-api.tripkit-evaljeppesen.com/v1	https://tripkit-api.tripkit-evaljeppesen.com/v1

Getting a token

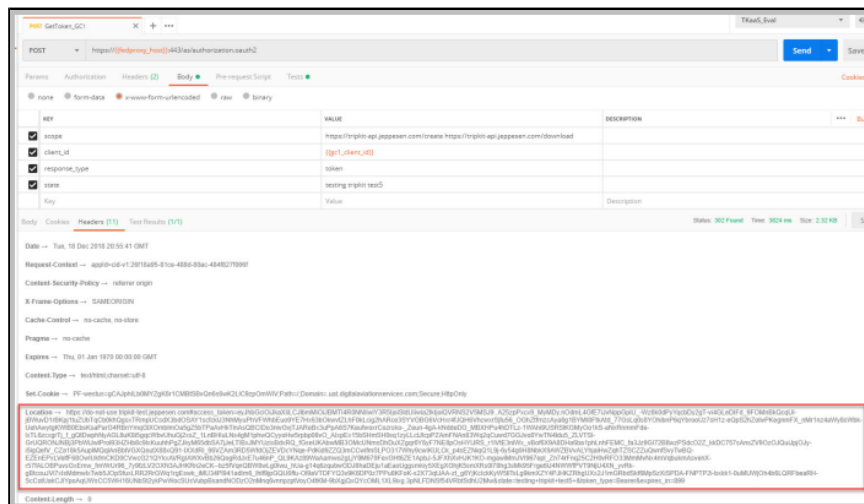
After you import the collection and environment files, get a token from the Jeppesen Identity Access Management (IAM) system.

- On the Collections tab, click **Get token from FedProxy**.



2. Click **Send**.

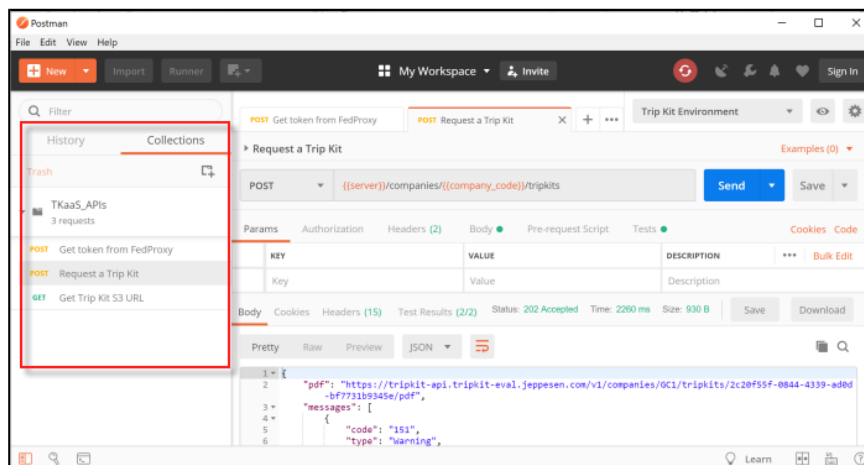
The token appears in the **Location** box. It is saved in Postman for subsequent calls.



Requesting a trip kit

After you have a token, request the trip kit.

1. On the Collections tab, click **Request a Trip Kit**.



2. Click **Send**.

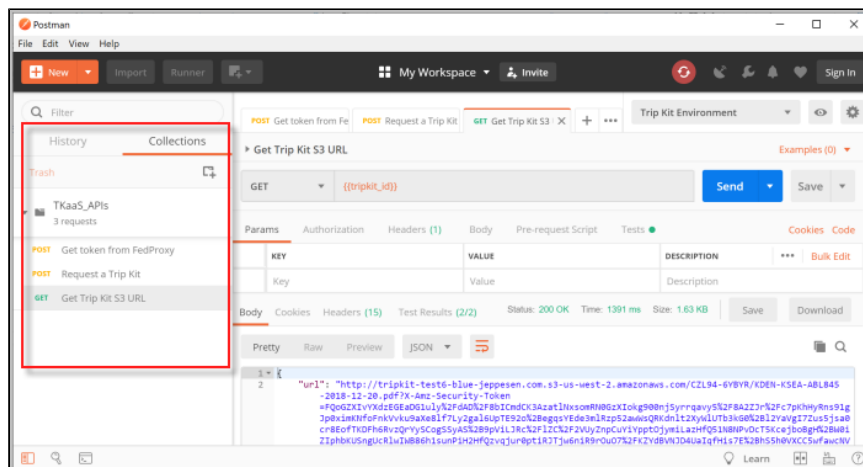
The trip kit URL appears in the Body section of the page.



Getting the trip kit S3 URL

When the trip is created, send the trip kit URL.

1. On the Collections tab, click **Get Trip Kit S3 URL**.



2. Click **Send**.

The trip kit S3 URL appears in the Body section of the page.

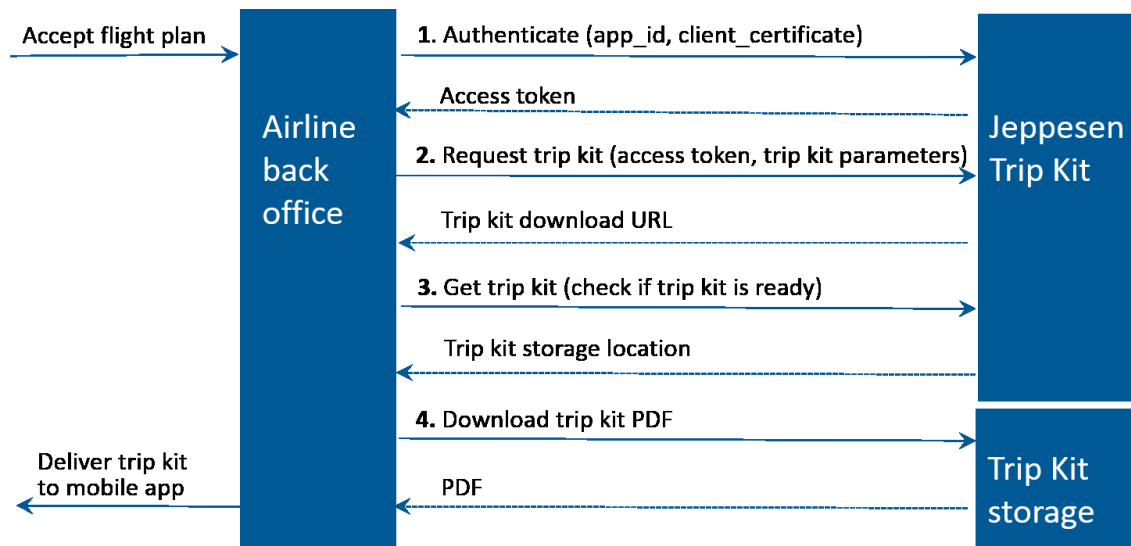


API reference

Jeppesen provides the Trip Kit as a Service API so that your systems can create trip kit PDFs without the need for human input. This section describes the expected call and response types.

Workflow

This workflow shows the REST calls that the Jeppesen Trip Kit as a Service API accepts and the high-level responses it returns.



1. Authenticate

The first request authenticates your certificate with the Trip Kit service.

Trip Kit uses an x509 certificate to authenticate, using OAuth2 with implicit flow. The internal certificate authority at your company issues the x509 certificate. Jeppesen gives your company a DigiCert certificate authority (CA) for two-way SSL. Your company imports the DigiCert CA, which issues the authentication server certificate, into the trust store.

For more information about authentication, see the [OAuth 2.0 Authentication Framework](#).

Service name	Authenticate to the Trip Kit service
Address format	<p>POST</p> <p>Evaluation: <code>https://fedproxyclientauthn.uat.fedp.digitalaviationservices.com:443/as/authorization.oauth2</code></p> <p>Production: <code>https://fedproxyclientauthn.fedp.digitalaviationservices.com:443/as/authorization.oauth2</code></p>
Parameters	<p><code>company_code</code></p> <p>Parameter type: Path</p> <p>During onboarding, Jeppesen provides this parameter, which is unique to airlines.</p>
Supported HTTP method	POST
POST request	<p>The request must include the following HTTP headers:</p> <ul style="list-style-type: none">• Content-Type: Identification of the content, for example, <code>application/x-www-form-urlencoded</code>• User-Agent: Identification of the software acting for the user, for example, <code>company-product/1.0</code> <p>For the details that are required in this request, see POST request details on page 12.</p>
POST response	<p>The response code is in HTTP 302. This response includes this HTTP header:</p> <p><code>Content-Type: application/json</code></p> <p>For the details, see POST response details on page 14.</p>

POST request details

The body of the POST request contains the following parameters:

Parameter	Description	Type
client_id	Your company client ID, which Jeppesen provides during onboarding.	String
scope	<p>Determines the authorization for an OAuth token. The Trip Kit as a Service API supports two scopes:</p> <ul style="list-style-type: none"> For requesting a Trip Kit API: <code>https://tripkit-api.jeppesen.com/create</code> For getting the Trip Kit API: <code>https://tripkit-api.jeppesen.com/download</code> 	String
response_type	The type of response. This must be set to <code>token</code> .	String
state (optional)	Used by the client to maintain state between the OAuth token request and the response. The authorization server includes this value with the response to the client. Use this parameter to avoid a cross-site request forgery attack. Before further processing, make sure that the state in the request matches the value in the response.	String

This example shows the HTTP POST method, where `public_key_cert.pem` is your public key and `private_key.key` is your private one.

```
curl -v -E
public_key_cert.pem --key private_key.key -d "scope"
https://tripkit.api.jeppesen.com/create
https://tripkit.api.jeppesen.com/
download&client_id=atlantisclient&response_type=token&state=myrandomstate
https://fedproxy-clientauthn.fedp.digitalaviationservices.com:443/as/
```

POST response details

The authentication server returns one of several HTTP 302 response codes:

- If the client certificate and all parameters are valid, the authentication server generates an access token and returns it in the location header of the response. The location header is a URL, which contains the response information in the following format:

```
https://donotuse.tripkit-test.jeppesen.com/#access_token=
{ACCESS_TOKEN}&state={STATE}&token_type=Bearer&expires_in={EXPIRE_IN}
```

Parameter	Description	Type
access_token	The returned access token to be used in the Request Trip Kit API and in the Get Trip Kit API.	String
state	The state value in the request body. Make sure that the return value matches the request value.	String
token_type	The type of token. The value is always Bearer.	String
expires_in	The period during which the token is valid. After this period, the token expires and a new token is requested. The value is 899 seconds (15 minutes).	String

- If an invalid client certificate is provided, this error message is returned in the location header of the response:

```
https://do-not-use.tripkit-
test.jeppesen.com#error_description=clientID+not+authorized
%26state=myrandomstate%26error=access_denied
```

- If the scope parameter is not provided or is empty, the authorization server still returns a token. However, you are not able to use this token to access the Request Trip Kit and Download Trip Kit APIs.
- If an invalid scope parameter is provided, this error message is returned in the location header of the response:

```
https://do-not-use.tripkit-test.jeppesen.com#error_description=The
+requested+scope%28s%29+must+be+blank+or+a+subset+of+the+provided
+scopes.&state=myrandomstate&error=invalid_scope
```

- If the response_code parameter is not provided, this error message is returned the location header of the response:

```
https://do-not-use.tripkit-test.jeppesen.com?
error_description=response_type+is
+required.&amp;state=myrandomstate&amp;error=invalid_request#
```

- If an invalid response_code parameter is provided, this error message is returned in the location header of the response:

```
https://do-not-use.tripkit-test.jeppesen.com?state=testing+tripkit
+test5+&amp;error=unsupported_response_type#
```

2. Request a trip kit

This API receives a request to create a trip kit.

Service name	Request to create a new trip kit
Address format	POST Evaluation: https://tripkit-api.tripkit-eval.jeppesen.com/v1/companies/{company_code}/tripkits Production: https://tripkit-api.jeppesen.com/v1/companies/{company_code}/tripkits
Parameters	company_code Parameter type: Path During onboarding, Jeppesen provides this parameter, which is unique to each airline.
Supported HTTP method	POST
POST request	The request must include these HTTP headers: <ul style="list-style-type: none"> • Content-Type: application/json • User-Agent: Identification of the software acting for the user, in this format: ompany-product/1.0 • Authorization: The access token that is returned in the authentication API call in the format Bearer ACCESS_TOKEN For the details that are required in this request, see POST request details on page 15.
POST response	The response code is in HTTP 202. This response includes this HTTP header: Content-Type: application/json For the details, see POST response details on page 20.


POST request details

The body of the POST request contains the following parameters in JSON format. If the service encounters a problem processing the request, an [error](#) is returned.

Parameter	Description	Type
company	The company name, for example, Atlantis Airlines. Jeppesen provides this parameter during onboarding.	String
origin	<p>The ICAO code of origin airport, for example, KDEN.</p> <p>If this parameter is empty, an HTTP Code 400 error is returned with the message <code>Error: Origin was not provided</code>. No trip kit generated.</p> <p>If this origin airport is not in your coverage area, the request is accepted. However, when the <code>Download Trip Kit</code> API call is made, you receive the error message <code>Error: Origin is not in coverage</code>. No trip kit generated.</p>	String
destination	<p>The ICAO code for the destination airport, for example, KIAH.</p> <p>If this parameter is empty, an HTTP Code 400 error is returned with the message <code>Error: Destination was not provided</code>. No trip kit generated.</p> <p>If this destination airport is not in your coverage area, the request is accepted. However, when the <code>Download Trip Kit</code> API call is made, you receive the error message <code>Error: Destination is not in coverage</code>. No trip kit generated.</p>	String
route	<p>The route string of the flight, using space or dot notation, as in this example:</p> <pre>WEEDS DUUCE GCK CVE CHMPZ TORNN REFYN OILLL DPLAN SSTAX MPORT GUSHR</pre> <p>If no route string is included, this parameter is empty.</p> <p>If the format is invalid, an HTTP Code 400 is returned with the message <code>Error: Route String contains characters that are not allowed</code>. Use only UTF-8 alphanumeric (a-z, A-Z, or 0-9), hyphen (-), dot (.), slash (/), space () or underscore (_). No Trip Kit generated.</p> <p>If the route contains ambiguous points, Trip Kit automatically selects a valid match. When the <code>Download Trip Kit</code> API call is made, you receive the message <code>Warning: One or more route points had multiple valid matches. The match closest to route of flight was used in the generated trip kit</code>.</p> <p>If the route contains an invalid route point, the request is still accepted. However, when the <code>Download Trip Kit</code> API call is made, you receive the error message <code>Error: The following route points are invalid against the current enroute cycle: {0}</code>. No trip kit generated.</p>	String

Parameter	Description	Type
alternates	<p>The list of alternate airports, for example CKOS, KMCI. You can include up to 15 alternate airports. If this parameter is empty, no alternate airports are specified.</p> <p>If you provide more than 15 alternate airports, an HTTP Code 400 is returned with the message <code>Error: Maximum number of alternates has been exceeded. No trip kit generated.</code></p> <p>If your coverage area does not include at least one alternate airport, the request is still accepted. However, when the Download Trip Kit call is made, you receive the error message <code>Error: One or multiple alternates are not in coverage. No trip kit generated.</code></p>	String
fleet	<p>The fleet code, for example, B737.</p> <p>If this parameter matches a fleet in your company's tailored enroute data, this data is included in the trip kit.</p> <p>If this parameter is empty, the Jeppesen standard enroute data is used, and you receive the message <code>Warning: Fleet value was not provided. If your company has tailored enroute content, only non-fleet-specific tailored Enroute data is included in the generated Trip Kit.</code></p> <p>If this parameter does not match a fleet in your company's tailored enroute data, the Jeppesen standard enroute data is used, and you receive the message <code>Warning: Fleet value does not match tailored enroute fleets. If your company has tailored enroute content, only non-fleet-specific data are included in the generated trip kit.</code></p>	String
flight_number	<p>The flight number, for example, AAL145.</p> <p>If the flight number is invalid, the request is rejected. An HTTP Code 400 is returned with the message <code>Error: flight_number value is in unsupported format. No trip kit generated.</code></p>	String
flight_plan_id	The flight plan identification code, for example, 002915.	String
departure_date	<p>The date of departure and the time in Zulu, for example, 2018-08-10T14:22:30.345Z. This parameter follows this format: <code>yyyy-MM-dd'T'HH:mm:ss.SSS'Z'</code></p> <p>If this parameter is empty, or if the format is invalid, the request is rejected. An HTTP Code 400 is returned with the message <code>Error: departure_date value is in invalid format. No trip kit generated.</code></p>	String
flight_identifier	The flight identifier, for example, AF18.	String

Parameter	Description	Type
coverage	<p>The coverage code for the terminal charts, for example, EJEP02.</p> <p>If this parameter is empty, the request is still accepted. The Jeppesen Worldwide Coverage (EJEP02) is used, and this message is returned: Warning: Terminal charts coverage value was not provided. Jeppesen Standard Worldwide Coverage was used in the generated trip kit..</p> <p>If this value does not match any terminal chart coverage mapped within the trip coverage mapping service, the request is rejected. The HTTP Code 400 is returned with the message Error: Terminal charts coverage value does not match coverages available for use within trip kit. No trip kit generated.</p>	String
enroute_options	<p>A configuration in JSON format that describes how the enroute chart is displayed in the trip kit. If this parameter is present, the enroute chart is included in the trip kit. This parameter contains the following configuration information:</p>	JSON
	<p><code>include_enroute</code> Indicates whether the enroute chart is included in the trip kit. If this value is invalid, the request is rejected. An HTTP Code 400 is returned with the message Error: <code>include_enroute</code> value is in invalid format. No trip kit generated.</p>	Boolean (true, false)
	<p><code>chart_type</code> The configuration for the enroute chart type. Four options are possible:</p> <ul style="list-style-type: none"> • 10NM_HIFR: 10 nautical miles per inch in High IFR • 10NM_LIFR: 10 nautical miles per inch in Low IFR • 20NM_HIFR: 20 nautical miles per inch in High IFR • 20NM_LIFR: 20 nautical miles per inch in Low IFR 	String
	<p><code>include_com_freqs</code> Indicates whether FIR/UIR communication frequency pages are included in the trip kit. If this value is invalid, the request is rejected. An HTTP Code 400 error is returned with the message Error: <code>include_com_freqs</code> value is in invalid format. No trip kit generated.</p>	Boolean (true, false)
	<p><code>include_ref_note_pages</code> Indicates whether the enroute reference notes pages are included in the trip kit. If this value is invalid, the request is rejected. An HTTP Code 400 error is returned with the message Error: <code>include_ref_note_pages</code> value is in invalid format. No trip kit generated.</p>	Boolean (true, false)
	<p><code>include_strip_charts</code> Indicates whether strip charts are included in the trip kit. If this value is invalid, the request is rejected. An HTTP Code 400 is returned with the message Error: <code>include_strip_charts</code> value is in invalid format. No trip kit generated.</p>	Boolean (true, false)

Parameter	Description	Type
	<p><code>use_auto_disambiguation</code> Indicates whether ambiguous objects are solved automatically. If invalid, the trip kit request is rejected when a route object is not found in the database. An HTTP Code 400 is returned with the message <code>Error: user_auto_disambiguation value is in invalid format. No Trip Kit generated.</code></p> <p>If set to <code>true</code>, internal logic is used to select the most appropriate element when the route includes an ambiguous or duplicate object. A trip kit is generated.</p>	Boolean (<code>true</code> , <code>false</code>)
	<p><code>remove_not_found_route_elements</code> Instructs Trip Kit to remove route elements that it does not find. When set to <code>true</code>, invalid or unrecognized navigation elements (including text strings, waypoints, nav aids, and airways) are removed. A trip kit is generated even though these invalid or unrecognized elements are removed.</p> <p> Warning: As stipulated in your contract supplement, you agree to accept full responsibility for this action and to have a process by which to validate the navigation elements before you use the generated trip kit. Jeppesen is not responsible for the removal of any invalid or unrecognized navigation elements that you initiated through this parameter.</p> <p>When set to <code>false</code> or when invalid, the trip kit request is rejected if a navigation element is invalid. HTTP code 400 is returned with the message <code>Error: remove not found route elements value is in valid format. No Trip Kit generated.</code></p>	Boolean (<code>true</code> , <code>false</code>)
<code>termchart_options</code>	<p>A configuration in JSON format that describes how terminal charts are displayed in the trip kit. This configuration contains the following information:</p>	JSON
	<p><code>include_termchart</code> Indicates whether terminal charts are included in the trip kit. If this value is invalid, the request is rejected. An HTTP Code 400 error is returned with the message <code>Error: include_termchart value is in invalid format. No trip kit generated.</code></p> <p>If this value is set to <code>false</code>, the <code>include_destination_alternate_sid</code> and <code>include_origin_star_app</code> configurations are not used.</p>	Boolean (<code>true</code> , <code>false</code>)
	<p><code>include_destination_alternate_sid</code> Indicates whether departure charts at the destination and alternate airports are included in the trip kit. If this value is invalid, the request is rejected. An HTTP Code 400 error is returned with the message <code>Error: include_destination_alternate_sid value is in invalid format. No trip kit generated.</code></p>	Boolean (<code>true</code> , <code>false</code>)

Parameter	Description	Type
	include_origin_star_app Indicates whether the arrival and approach charts at the origin airport are included in the trip kit. If this value is invalid, the request is rejected. An HTTP Code 400 error is returned with the message Error: include_origin_star_app value is in invalid format. No trip kit generated.	Boolean (true, false)

Example of a POST request

```
{
  "company" : "Atlantis Airlines",
  "origin" : "KDEN",
  "destination" : "KIAH",
  "route" : "WEEDS DUUCE GCK CVE CHMPZ TORNN REFYN OILLL DPLAN SSTAX MPORT GUSHR",
  "alternates" : ["KCOS", "KMCI"],
  "flight_number" : "AAL145",
  "fleet" : "B737",
  "flight_plan_id" : "123456",
  "departure_date" : "2018-08-10T14:22:30.345Z",
  "flight_identifier" : "B737",
  "coverage" : "EJEP02",
  "termchart_options" : {
    "include_termchart" : true,
    "include_origin_star_app" : true,
    "include_destination_alternate_sid" : true,
    "use_auto_disambiguation" : false,
    "remove_not_found_route_elements" : false
  },
  "enroute_options" : {
    "include_enroute" : true,
    "chart_type" : "10NM_HIFR",
    "include_com_freqs" : true,
    "include_ref_note_pages" : true,
    "include_strip_charts" : true
  }
}
```

POST response details

The POST response provides download information, in JSON format, for the PDF and URL. The response includes:

- The URL for getting the trip kit PDF file.
- A list of server warning messages related to the request, if any.


```
{
  "pdf" : "https://tripkit-api.tripkit-eval.jeppesen.com/companies/{company_code}/tripkits/c556cf61-68fc-49f5-9ea3-546bcff15615/pdf",
  "messages" : [
    {
      "code" : "150",
      "type" : "Warning",
      "message" : "Fleet value was not provided. Only non-fleet-specific tailored Enroute data is included."
    },
    {
      "code" : "152",
      "type" : "Warning",
      "message" : "Coverage value was not provided. Trip Kit was generated for standard Worldwide coverage."
    }
  ]
}
```


The response message might include one of four error codes.

Error Code	Description
HTTP 400 (Bad Request)	<p>The input is invalid or is missing required parameters. See the body of the response for the details. The body contains the details of the error message:</p> <ul style="list-style-type: none"> • Error code • Type of of warning or error message • Message that describes the error <pre>{ "messages" : [{ "code" : "101", "type" : "Error", "message" : "Origin ICAO value was not provided. Trip Kit cannot be generated." }, { "code" : "103", "type" : "Error", "message" : "Maximum number of Alternate ICAOs has been exceeded. Trip Kit cannot be generated." }] }</pre>
HTTP 401 (Unauthorized)	The token is missing, invalid, or expired.
HTTP 404 (Not Found)	<p>The resource is not found. The body contains the details of the error message:</p> <ul style="list-style-type: none"> • Error code • Type of of warning or error message • Message that describes the error <pre>{ "messages" : [{ "code" : "301", "type" : "Error", "message" : "Authentication Fail" }] }</pre>
HTTP 5XX (server Error)	Server errors were encountered when processing the request.

3. Get trip kit PDF

This API lets you know if the trip kit PDF is ready. If so, the URL to the PDF is provided. Generating the trip kit generally takes 20 to 30 seconds to complete.

 **Note:** Jeppesen recommends that this API is invoked at least 5 seconds after the initial POST request.

Service name	Get trip kit PDF
Address format	GET https://tripkit-api.tripkit-eval.jeppesen.com/v1/companies/{company_code}/tripkits/{tripkit_id}/pdf
Parameters	company_code Parameter type: Path During onboarding, Jeppesen provides this parameter, which is unique to each airline. tripkit_id Parameter type: Path This parameter identifies the trip kit.
Supported HTTP method	GET
GET request	The request must include these HTTP headers: <ul style="list-style-type: none"> • User-Agent: The identification of the software acting for the user, in this format: company-product/1.0 • Authorization: The access token returned in the authentication API call in this format: "Bearer ACCESS_TOKEN"
GET response	The GET response is in HTTP 200.

GET response details

If the trip kit is generated, the GET response (HTTP 200) provides the storage location for the trip kit PDF, in JSON format. The response includes:

- The URL of the trip kit PDF.
- A list of server warning messages related to the request, if any.

```
{
  "url" : "http://tripkit-test4-blue-jeppesen.com.s3-us-west-2.amazonaws.net/27JHN-CUCNP/KDEN-KLAX--2018-08-10.pdf?X-Amz-Security-Token=2BPgW5UIZ7YtMw2Nk2QUUOp&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Date=20180810T211547Z&X-Amz-SignedHeaders=host&X-Amz-Expires=28800&X-Amz-Credential=ASIAW43KPR7EO3DNIJO4%2F20180810%2Fus-west-2%2Fs3%2Faws4_request&X-Amz-Signature=9760c737c4b39a7f527e62",
  "messages" : [
    {
      "code" : "205",
      "type" : "Warning",
      "message" : "One or more route points had multiple matches. Closest route points were selected"
    }
  ]
}
```

If the trip kit is not generated, the GET response (HTTP 202) contains more information, in JSON format:


```
{
  "messages": [
    {
      "code": "202",
      "type": "Info",
      "message": "Info: Requested trip kit is being generated."
    }
  ]
}
```

The response message might include one of four error message codes.

Error code	Description
400 (Bad Request)	<p>The input is invalid or is missing required parameters. See the body of the response for the details. The body contains the details of the error message:</p> <ul style="list-style-type: none"> • Error code • Type of warning or error message • Message that describes the error <pre>{ "messages" : [{ "code" : "201", "type" : "Error", "message" : "Origin ICAO ABC is not in your coverage XYZ. Trip Kit cannot be generated." }, { "code" : "203", "type" : "Error", "message" : "Alternate ICAO AC is not in your coverage XYZ. Trip Kit cannot be generated." }] }</pre>
401 (Unauthorized)	The token is missing, invalid, or expired.
404 (Not Found)	<p>The resource is not found. The body contains the details of the error message:</p> <ul style="list-style-type: none"> • Error code • Type of warning or error message • Message that describes the error <pre>{ "messages" : [{ "code" : "301", "type" : "Error", "message" : "Authentication Fail" }] }</pre>
HTTP 5XX (Server Error)	The server encountered errors when processing the request.

4. Download Trip Kit PDF

When the trip kit is ready, the PDF is stored on the server. It is available for sending to the user's mobile app when requested. The URL link to the PDF is valid for 8 hours.

 **Note:** Jeppesen recommends that this API should be invoked at least 5 seconds after the URL is retrieved.

Troubleshooting

If the trip kit or download request has an error, the Trip Kit as a Service API returns an error or warning message.

Messages from the Request a Trip Kit API

One of these messages can appear if an issue arises from the `Request a Trip Kit API`.

Code	Type	Message	Description
101	Error	Error: Origin was not provided. No trip kit generated.	The origin parameter is empty.
102	Error	Error: Destination value was not provided. No trip kit generated.	The destination parameter is empty.
103	Error	Error: Maximum number of alternates has been exceeded. No trip kit generated.	The request includes more alternate airports than is allowed.
104	Error	Error: flight_number value is in unsupported format. No trip kit generated.	The format of the flight number value is not supported.
105	Error	Error: Terminal charts coverage value does not match coverages available for use within trip kit. No trip kit generated.	Terminal charts coverage value does not match the available coverages in the Trip Kit service.
106	Error	Error: include_termchart value is in invalid format. No trip kit generated.	The value for the <code>include_termchart</code> parameter is invalid. Only <code>true</code> or <code>false</code> is accepted.
107	Error	Error: include_origin_star_app value is in invalid format. No trip kit generated.	The value for including STAR and APP charts for the origin airport is invalid. Only <code>true</code> or <code>false</code> is accepted.
108	Error	Error: include_destination_alternate_sid value is in invalid format. No trip kit generated.	The value for including the SID charts, for the destination and alternate airports, is invalid. Only <code>true</code> or <code>false</code> is accepted.
109	Error	Error: include_enroute value is in invalid format. No trip kit generated.	The value for including the enroute map is invalid. Only <code>true</code> or <code>false</code> is accepted.

Code	Type	Message	Description
110	Error	Error: chart_type value is invalid. No trip kit generated.	<p>The chart type parameter is invalid. Use one of the following values:</p> <ul style="list-style-type: none"> • 10NM_HIFR: 10 Nautical Miles per Inch in High IFR • 10NM_LIFR: 10 Nautical Miles per Inch in Low IFR • 20NM_HIFR: 20 Nautical Miles per Inch in High IFR • 20NM_LIFR: 20 Nautical Miles per Inch in Low IFR
111	Error	Error: include_com_freqs value is in invalid format. No trip kit generated.	The value for including communication frequencies is invalid. Only <code>true</code> or <code>false</code> is accepted.
112	Error	Error: include_ref_note_pages value is in invalid format. No trip kit generated.	The value for including the reference notes pages is invalid. Only <code>true</code> or <code>false</code> is accepted.
113	Error	Error: include_strip_charts value is in invalid format. No trip kit generated.	The value for including strip charts is invalid. Only <code>true</code> or <code>false</code> is accepted.
114	Error	Terminal charts, enroute charts or both must be included in the trip kit. No trip kit generated.	Terminal charts and enroute options must be included in the request.
115	Error	Enroute-only trip kits must have at least one type of Enroute content included. No trip kit generated.	
116	Error	Nothing found for Tripkit ID: {0}	The trip kit ID is not found.
117	Error	Error: departure_date value is in invalid format. No trip kit generated	The format of the departure date invalid. The accepted format is <code>yyyy-MM-dd 'T' HH:mm:ss.SSS 'Z'</code>
119	Error	Error: company was not provided. No trip kit generated.	Parameter was not provided.
120	Error	Error: origin was not provided. No trip kit generated.	Parameter was not provided.
121	Error	Error: destination was not provided. No trip kit generated.	Parameter was not provided.
122	Error	Error: route was not provided. No trip kit generated.	Parameter was not provided.
123	Error	Error: alternates was not provided. No trip kit generated.	Parameter was not provided.
124	Error	Error: fleet was not provided. No trip kit generated.	Parameter was not provided.
125	Error	Error: flight number was not provided. No trip kit generated.	Parameter was not provided.

Code	Type	Message	Description
126	Error	Error: departure_date was not provided. No trip kit generated.	Parameter was not provided.
127	Error	Error: coverage was not provided. No trip kit generated.	Parameter was not provided.
128	Error	Error: termchart_options was not provided. No trip kit generated.	Parameter was not provided.
129	Error	Error: enroute_options was not provided. No trip kit generated.	Parameter was not provided.
150	Warning	Warning: Fleet value was not provided. If your company has tailored enroute content, only non-fleet-specific tailored enroute data is included in the generated trip kit.	Fleet value is not provided. The trip kit is still generated but tailored enroute will not be included.
151	Warning	Warning: Fleet value does not match tailored enroute fleets. If your company has tailored enroute content, only non-fleet-specific data is included in the generated trip kit.	Fleet value does not match your company fleets. The trip kit is still generated but tailored enroute will not be included.
152	Warning	Warning: Terminal charts coverage value was not provided. Jeppesen Standard Worldwide Coverage was used in the generated trip kit.	Terminal charts coverage value was not provided. Jeppesen Standard Worldwide Coverage was used in the generated trip kit.
404	Error	Error: Resource not found.	The request was not accepted. Make sure you have a valid token.
500	Error	Internal server error.	Encountered a server error when processing the request.

Messages from the Download Trip Kit API

One of these messages can appear if an issue arises from the `Download a Trip Kit API`.

Error	Type	Message	Description
201	Error	Error: Origin is not in Coverage. No Trip Kit generated.	Your coverage does not include the origin airport.
202	Info	Info: Requested trip kit is being generated.	The request was successfully accepted and the trip kit is being generated.
203	Error	Error: One or multiple Alternates are not in Coverage. No Trip Kit generated.	One or more alternate airports are not in the coverage. A trip kit was not generated.
204	Error	Error: The following route points are invalid against the current Enroute cycle: {0}. No Trip Kit generated.	One or more route points are invalid. A trip kit was not generated.

Error	Type	Message	Description
205	Error	Error: Destination is not in Coverage. No Trip Kit generated.	Your coverage does not include the destination airport.
206	Error	Error: Loop by [WAYPOINT_NAME]. Remove this point and try again. No Trip Kit generated.	Trip Kit cannot solve an ambiguous waypoint and has stopped processing the request.
250	Warning	Warning: One or more route points had multiple valid matches. The match closest to route of flight was used in the generated Trip Kit.	One or more route points matched more than one object. The match closest to route of flight was used in the trip kit.
251	Warning	Warning: chart_type value was not provided. 20NM_HIFR used in the generated Trip Kit.	The request is missing the chart type value. The value 20NM_HIFR was used in the trip kit.
404	Error	Error: Resource not found.	The service did not find the requested PDF. Verify your trip kit ID or access token.
500	Error	Internal Server Error.	The service encountered an error when processing your request. Contact a Jeppesen support representative.