



# Vantage POB

## Flights, Freight and Passenger Bookings

API DOCUMENTATION

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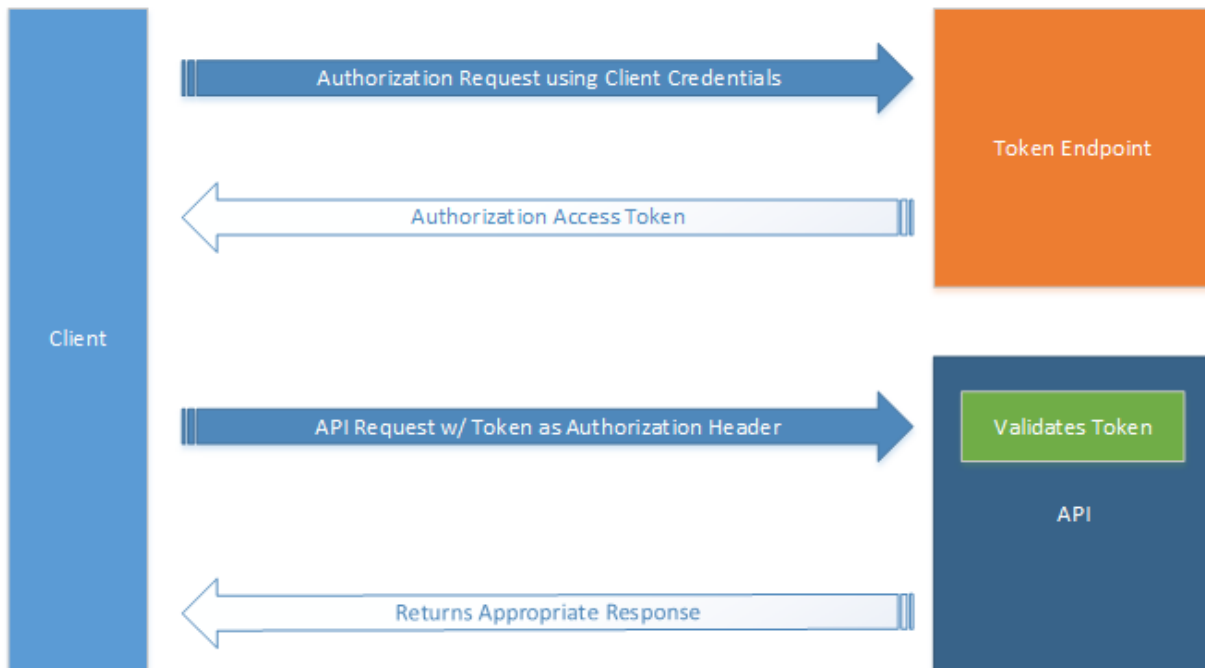
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# 1 Introduction

This Web Service is delivered as a RESTful API, comprising of appropriate URI-based Endpoints, each of which will return data represented in JSON notation.

## 1.1 Authentication

The RESTful API uses OAUTH v2 for authentication. Using this scheme, client credentials are first exchanged for an authorization token, which is then used, in turn, to authenticate each request to the API. These tokens have a limited lifespan, after which a new token will need to be requested.



Each operator that is using the APIs will have its own client credentials that will be used to authenticate its access to the API.

## 2 Endpoints

The following Endpoints are provided:

URI	HTTP Method	Returns
*/oauth/token	POST	Object
*/flights/read_flight_data	POST	Collection of Objects
*/freight/read_freight_data	POST	Collection of Objects
*/bookings/read_passenger_booking_data	POST	Collection of Objects

### 2.1 \*/oauth/token

The \*/oauth/token endpoint returns a collection of token objects. As inputs, it requires the following parameters:

Parameter	Type	Value	Description	Required
Authorization	Header	Basic [Base64 encoded value of client ID and client secret separated with a colon]	Contains authorization needed to authenticate requests to the API.	Yes
Content-Type	Header	application/x-www-form-urlencoded	N/A.	Yes
Form Data	Header	grant-type=client_credentials	N/A	Yes

The endpoint returns a JSON response with the following key/value pairs.

Name	Type	Description
N/A	Object	A single token object (see below).

A token object is a JSON object containing the following name/value pairs:

Name	Type	Description
access_token	String	The value for the token.
token_type	String	The type of token.
expires_in	Number	The number of seconds the bearer token is valid for.



## 2.2 \*/flights/read\_flight\_data

The \*/read\_flight\_data endpoint will return a collection flight details that matches the input parameters. As input, it will require the following parameters:

Parameter	Type	Value	Description	Required
Authorization	Header	Bearer [Authorization Token value]	Contains Authorization Token needed to authenticate requests to the API.	Yes
Sector	Body Parameter	String	The sector for which flights will be returned. Flights will be returned if either of the following is true: <ul style="list-style-type: none"> <li>The flight's sector matches this parameter</li> <li>A location on the flight's planned or actual route matches this parameter</li> </ul>	Yes
FlightName	Body Parameter	String	The name of the flight that will be returned, if applicable.  This parameter is optional.	No
FlightDate	Body Parameter	Date	The date for which flights will be returned. This can be in the past or future.  Only flights that are scheduled to depart upon their first leg on this date range will be returned.  The date will be in the 'YYYY-MM-DD' format.	Yes
FlightOperator	Body Parameter	String	The name of the operator of the flights that will be returned. It must be an exact match of the operators name that is recorded in Vantage POB.  This parameter is optional.	No
ShowFltLegs	Body Parameter	String	Whether the FlightLegs object is included in the returned data.  This can have either of the following values: <ul style="list-style-type: none"> <li>N – No</li> <li>Y – Yes</li> </ul> This parameter is optional. If no parameter is provided, then a value of 'N' will be assumed.	No
ShowChckSum	Body Parameter	String	Whether the CheckInSummaries object is included in the returned data.  This can have either of the following values: <ul style="list-style-type: none"> <li>N – No</li> <li>Y – Yes</li> </ul>	No

Parameter	Type	Value	Description	Required
			This parameter is optional. If no parameter is provided, then a value of 'N' will be assumed.	
ShowFltDelays	Body Parameter	String	<p>Whether the FlightDelayDetails object is included in the returned data.</p> <p>This can have either of the following values:</p> <ul style="list-style-type: none"> <li>• N – No</li> <li>• Y – Yes</li> </ul> <p>This parameter is optional. If no parameter is provided, then a value of 'N' will be assumed.</p>	No
ShowFrtBks	Body Parameter	String	<p>Whether the FreightBookings object is included in the returned data.</p> <p>This can have either of the following values:</p> <ul style="list-style-type: none"> <li>• N – No</li> <li>• Y – Yes</li> </ul> <p>This parameter is optional. If no parameter is provided, then a value of 'N' will be assumed.</p>	No
ShowPaxBks	Body Parameter	String	<p>Whether the PassengerBookings object is included in the returned data.</p> <p>This can have either of the following values:</p> <ul style="list-style-type: none"> <li>• N – No</li> <li>• Y – Yes</li> </ul> <p>This parameter is optional. If no parameter is provided, then a value of 'N' will be assumed.</p>	No
skip	Body Parameter	String	The number of rows to be skipped.	No
fetch	Body Parameter	String	The number of records to be returned.	No

The endpoint will return a JSON response with the following key/value pairs:

Name	Type	Description
FlightList	Array	Array of Flight objects (see Section 2.2.1).

Only flights owned by the user's employer will be shown.

In addition to the FlightList object, the following name/value pairs may be returned:

Name	Type	Description
message	String	Any message associated with the request.
status	Number	The status associated with the request. <ul style="list-style-type: none"> <li>• Zero (0) indicates a successful request.</li> <li>• Any value other than zero (0) indicates an error.</li> </ul>
rows_skipped	Number	The number of records that were skipped.
page_size	Number	The number of records that exist in the current record return.
total_rows	Number	The total number of available records.
rows_remaining	Number	The number of records that exist that are not included in the current record return.

## 2.2.1 Flight Object

A Flight object will be a JSON object containing the following name/value pairs:

Name	Type	Description
FlightNumber	String	The flight's number.
FlightName	String	The flight's name.
FlightDate	Date	The flight's scheduled date. This will be returned in the 'YYYY-MM-DDTHH:mm:ssZ' format.
Client	String	The flight's owner. Note that this will return the same data as the 'Organization' field.
FlightOperator	String	The name of the flight's operator.
Organization	String	The flight's owner. Note that this will return the same data as the 'Client' field.
CallSign	String	The flight's callsign.
ScheduledTimeOfDeparture	Date	The scheduled departure date and time of the flight's first planned leg. This will be returned in the 'YYYY-MM-DDTHH:mm:ssZ' format.
ActualTimeOfDeparture	Date	The actual departure date and time of the flight's first actual leg, if available. This will be returned in the 'YYYY-MM-DDTHH:mm:ssZ' format.
EstimatedTimeOfArrival	Date	The scheduled arrival date and time of the flight's last planned leg. This will be returned in the 'YYYY-MM-DDTHH:mm:ssZ' format.
ActualTimeOfArrival	Date	The actual arrival date and time of the flight's last actual leg, if available. This will be returned in the 'YYYY-MM-DDTHH:mm:ssZ' format.
OutboundBookedSeats	String	The number seats booked for outbound travel. This will include individual, company and walk-on booking types.
OutboundAvailableSeats	String	The number of seats available for outbound travel.
OutboundBookedFreight	String	The number of outbound freight bookings.
OutboundActualFreight	String	The number of manifested outbound freight bookings.

Name	Type	Description
OutboundActualSeats	String	The number of seats booked for outbound travel with one of the following booking statuses: <ul style="list-style-type: none"> <li>• Compassionate</li> <li>• Manifested</li> <li>• Medivac</li> </ul>
InboundBookedSeats	String	The number seats booked for outbound travel. This will include individual, company and walk-on booking types.
InboundAvailableSeats	String	The number of seats available for outbound travel.
InboundActualSeats	String	The number of seats booked for inbound travel with one of the following booking statuses: <ul style="list-style-type: none"> <li>• Compassionate</li> <li>• Manifested</li> <li>• Medivac</li> </ul>
InboundBookedFreight	String	The number of freight items manifested for outbound travel.
InboundActualFreight	String	The number of manifested inbound freight bookings.
Route	String	The dash-separated location codes of the flight's route. For example: 'LOCN1 – LOCN2 – LOCN3'. For future flights, this will be the flight's planned route. For past flights, it will be the flight's actual route.
Remark	String	Any remarks that have been recorded for the flight.
AircraftType	String	The code of the type of aircraft used for the flight.
AircraftRegistration	String	The registration of the aircraft used for the flight.
FlightStatus	String	The flight's status. This can be: <ul style="list-style-type: none"> <li>• Completed</li> <li>• Departed</li> <li>• Landed</li> <li>• Rescheduled</li> <li>• Scheduled</li> </ul>
FlightLegs	Array of FlightLegs Objects	Details of the flight's planned and actual legs. (See Section 2.2.1.1.) This will be populated only if the ShowFlightLegs parameter is 'Y'.
PassengersBookings	Array of PassengerBookings Objects	Details of the flight's freight bookings. (See Section 2.4.1.) This will be populated only if the ShowPaxBks parameter is 'Y'.

Name	Type	Description
FreightBookings	Array of FreightBookings Objects	Details of the flight's freight bookings. (See Section 2.3.1.) This will be populated only if the ShowFrtBks parameter is 'Y'.
CheckInSummaries	Array of CheckInSummaries Objects	The flight's check-in details. (See Section 2.2.1.2.) This will be populated only if the ShowChckSum parameter is 'Y'.
FlightDelayDetails	Array of FlightDelayDetails Objects	Details of any delays to the flight. (See Section 2.2.1.3.) This will be populated only if the ShowFltDelays parameter is 'Y'.

### 2.2.1.1 FlightLegs Object

A FlightLegs object will be a JSON object containing the following name/value pairs:

Name	Type	Description
FlightDate	Date	The flight's scheduled date. This will be returned in the 'YYYY-MM-DDTHH:mm:ssZ' format.
FlightName	String	The flight's name.
FlightNumber	String	The flight's number.
LegNo	String	The flight leg's order number.
PlannedDepartureLocation	String	The flight leg's planned departure location, if available. This may be unpopulated if the flight leg was not planned.
ActualDepartureLocation	String	The flight leg's actual departure location, if available.
ScheduledTimeOfDeparture	Date	The flight leg's scheduled time of departure, if available. This will be returned in the 'YYYY-MM-DDTHH:mm:ssZ' format.
ActualTimeOfDeparture	Date	The flight leg's actual time of departure, if available. This will be returned in the 'YYYY-MM-DDTHH:mm:ssZ' format.
PlannedArrivalLocation	String	The flight leg's planned arrival location, if available. This may be unpopulated if the flight leg was not planned.
ActualArrivalLocation	String	The flight leg's actual arrival location, if available.
EstimatedTimeOfArrival	Date	The flight leg's estimated time of arrival, if available. This will be returned in the 'YYYY-MM-DDTHH:mm:ssZ' format.
ActualTimeOfArrival	Date	The flight leg's actual time of arrival, if available. This will be returned in the 'YYYY-MM-DDTHH:mm:ssZ' format.
PlannedNumberOfSeats	String	The number of passenger seats booked on the flight leg.
ActualNumberOfSeats	String	The number of passenger seats manifested on the flight leg.

### 2.2.1.2 CheckInSummaries Object

A CheckInSummaries object will be a JSON object containing the following name/value pairs:

Name	Type	Description
FlightDate	Date	The flight's scheduled date. This will be returned in the 'YYYY-MM-DDTHH:mm:ssZ' format.
FlightName	String	The flight's name.
FlightNumber	String	The flight's number.
DepartureLocation	String	The flight leg's departure location.
DepartureOccurrence	String	The flight leg's departure occurrence. This is '1' for the flight's first departure from a location, '2' for its second departure from the same location, etc.
LegNo	String	The flight leg's order number, if available.
PaxCapacity	String	The flight leg's passenger capacity, if available.
PayloadLbs	String	The flight leg's payload in pounds, if available.
PayloadKg	String	The flight leg's payload in kilograms, if available.
PaxBooked	String	The number of passengers booked to depart on the flight leg. A booking will be counted if its status is one of the following: <ul style="list-style-type: none"><li>• Manifested</li><li>• Provisional</li><li>• Rota</li></ul>
WeightAvailableLbs	String	The weight available on the flight leg in pounds, if available. This will be the payload minus the weights of manifested passengers and freight.
WeightAvailableKg	String	The weight available on the flight leg in kilograms, if available. This will be the payload minus the weights of manifested passengers and freight.

Like the Check-In Summary screen, this object will display a record for each location and occurrence that a passenger or freight item is booked to depart from. These may not correspond exactly to the flight's planned or actual route.

Note that some values may be unavailable for departures that are not on the flight's route.

### 2.2.1.3 FlightDelayDetails Object

A FlightDelayDetails object will be a JSON object containing the following name/value pairs:

Name	Type	Description
FlightDate	Date	The flight's scheduled date. This will be returned in the 'YYYY-MM-DDTHH:mm:ssZ' format.
FlightName	String	The flight's name.
FlightNumber	String	The flight's number.
LegNo	String	The flight leg's order number.
DepartureLocation	String	The flight leg's actual departure location, if available.
ArrivalLocation	String	The flight leg's actual destination location, if available.
DelayReasonCode	String	The code of the delay reason.
DelayReasonDescription	String	The description of the delay reason.
DelayGroupCode	String	The code of the delay group to which the delay reason belongs.
DelayGroupDescription	String	The code of the delay group to which the delay reason belongs.

## 2.2.2 POST Example for \*/flight/read\_flight\_data

### CURL

```
curl --location 'https://example.com/flights/read_flight_data' \  
--header 'Content-Type: application/json' \  
--header 'Authorization: Bearer xxxxxxxxxxxxxx' \  
--data '{  
  "Sector": "xxxx",  
  "FlightName": "xxxx",  
  "FlightDate": "2024-05-17",  
  "ShowFltLegs": "Y",  
  "ShowChckSum": "Y",  
  "ShowFltDelays": "Y",  
  "ShowFrtBks": "Y",  
  "ShowPaxBks": "Y",  
  "skip": "0",  
  "fetch": "1"  
}'
```

### JavaScript

```
const myHeaders = new Headers();  
myHeaders.append("Content-Type", "application/json");  
myHeaders.append("Authorization", "Bearer xxxxxxxxxxxxxx");  
const raw = JSON.stringify({  
  "Sector": "xxxx",  
  "FlightName": "xxxx",  
  "FlightDate": "2024-05-17",  
  "ShowFltLegs": "Y",  
  "ShowChckSum": "Y",  
  "ShowFltDelays": "Y",  
  "ShowFrtBks": "Y",  
  "ShowPaxBks": "Y",  
  "skip": "0",  
  "fetch": "1"  
});  
const requestOptions = {  
  method: "POST",  
  headers: myHeaders,  
  body: raw,  
  redirect: "follow"  
};  
fetch("https://example.com/flights/read_flight_data", requestOptions)  
  .then((response) => response.text())  
  .then((result) => console.log(result))  
  .catch((error) => console.error(error));
```

### Return Example

```
{  
  "FlightList": [  
    {  
      "FlightNumber": "xxxx",  
      "FlightName": "xxxx",  
      "FlightDate": "2024-05-17T00:00:00Z",  
      "Client": "xxxx",  
      "FlightOperator": "xxxx",  
      "Organization": "xxxx",  
      "CallSign": null,  
      "ScheduledTimeOfDeparture": "2024-05-17T08:00:00Z",  
      "ActualTimeOfDeparture": "2024-05-17T08:00:00Z",  
      "EstimatedTimeOfArrival": null,  
      ...  
      "InboundAvailableSeats": 30,  
      "InboundActualSeats": null,  
      "InboundBookedFreight": 30,  
      "InboundActualFreight": 30,  
    }  
  ]  
}
```

```

"Route": "xxxx",
"Remark": "xxxx",
"AircraftType": "HELI",
"AircraftRegistration": null,
"FlightStatus": "Landed",
"FlightLegs": [
  {
    "FlightNumber": "xxxx",
    "FlightName": "xxxx",
    "FlightDate": "2024-05-17T00:00:00Z",
    "LegNo": 1,
    ...
    "ActualArrivalLocation": "xxxx",
    "ScheduledTimeOfArrival": null,
    "ActualTimeOfArrival": "2024-05-17T08:02:00Z",
    "PlannedNumberOfSeats": "1",
    "ActualNumberOfSeats": "1"
  },
  {
    "FlightNumber": "xxxx",
    "FlightName": "xxxx",
    "FlightDate": "2024-05-17T00:00:00Z",
    "LegNo": 2,
    ...
    "ActualTimeOfArrival": null,
    "PlannedNumberOfSeats": "0",
    "ActualNumberOfSeats": "0"
  }
],
"PassengerBookings": [
  {
    "BookingNumber": "xxxx",
    "BookingType": "P",
    "BookingTypeName": "Personnel",
    "BookingDate": "2024-05-17T00:00:00Z",
    "BookingStatus": "M",
    "BookingStatusName": "Manifested",
    "Priority": "5",
    "FlightNumber": "xxxx",
    "FlightName": "xxxx",
    "FlightDate": "2024-05-17T00:00:00Z",
    ...
    "BagWt1": "1",
    "BagWt2": null,
    "BagWt3": null,
    "BagWt4": null,
    "BagWt5": null,
    "LinkedBooking": null,
    "BookingReference": null,
    "GenericText1": null,
    "GenericText2": null,
    "Remark": null,
    "PEDsNumber": null,
    "BookingInstructions": null
  }
],
"FreightBookings": [
  {
    "Item": "xxxx",
    "Description": "xxxx",
    "Status": "Manifested",
    "DepartureOccurrence": "1",
    "DepartureLocation": "xxxx",
    "ArrivalLocation": "xxxx",
    "FinalDestination": null,

```

```

...
    "UNNumber": null,
    "Length": null,
    "Width": null,
    "Height": null,
    "Remark": null,
    "FlightDate": "2024-05-17T00:00:00Z",
    "FlightName": "xxxx",
    "FlightNumber": "xxxx"
  },
  {
    "Item": "xxxx",
    "Description": "xxxx",
    "Status": "Manifested",
    "DepartureOccurrence": "1",
    "DepartureLocation": "xxxx",
    "ArrivalLocation": "xxxx",
    "FinalDestination": null,
    ...
    "Length": null,
    "Width": null,
    "Height": null,
    "Remark": null,
    "FlightDate": "2024-05-17T00:00:00Z",
    "FlightName": "xxxx",
    "FlightNumber": "xxxx"
  }
],
"CheckInSummaries": [
  {
    "FlightDate": "2024-05-17T00:00:00Z",
    "FlightName": "xxxx",
    "FlightNumber": "xxxx",
    "DepartureLocation": "xxxx",
    "DepartureOccurrence": "1",
    "LegNo": "1",
    "PaxCapacity": "30",
    "PayloadLbs": "1000",
    "PayloadKg": "454",
    "PaxBooked": "1",
    "WeightAvailableLbs": "544",
    "WeightAvailableKg": "247"
  },
  {
    "FlightDate": "2024-05-17T00:00:00Z",
    "FlightName": "xxxx",
    "FlightNumber": "xxxx",
    "DepartureLocation": "xxxx",
    "DepartureOccurrence": "1",
    "LegNo": "2",
    "PaxCapacity": "30",
    "PayloadLbs": "2205",
    "PayloadKg": "1000",
    "PaxBooked": "0",
    "WeightAvailableLbs": "1940",
    "WeightAvailableKg": "880"
  }
],
"FlightDelayDetails": [
  {
    "FlightNumber": "xxxx",
    "FlightName": "xxxx",
    "FlightDate": "2024-05-17T00:00:00Z",
    "LegNo": 1,
    "DepartureLocation": "xxxx",

```

```
        "ArrivalLocation": "xxxx",
        "DelayReasonCode": "xxxx",
        "DelayReasonDescription": "xxxx",
        "DelayGroupCode": "T",
        "DelayGroupDescription": "xxxx"
    }
]
},
"message": "Success",
"status": 0,
"rows_skipped": 0,
"page_size": 1,
"total_rows": 1,
"rows_remaining": 0
}
```

## 2.3 \*/freight/read\_freight\_booking\_data

The \*/read\_passenger\_booking\_data endpoint will return a collection of freight booking records that matches the input parameters. As input, it will require the following parameters:

Parameter	Type	Value	Description	Required
Authorization	Header	Bearer [Authorization Token value]	Contains Authorization Token needed to authenticate requests to the API.	Yes
FlightName	Body Parameter	String	The name of the flight on which the freight item is booked, if applicable.  This parameter is optional.	No
BookingDate	Body Parameter	Date	The date for which freight bookings will be returned. This can be in the past or future.  The date will be in the 'YYYY-MM-DD' format.	Yes
DepartureLocation	Body Parameter	String	The location code of the freight item's departure location.  This parameter is optional.	No
ArrivalLocation	Body Parameter	String	The location code of the freight item's destination location.  This parameter is optional.	No
skip	Body Parameter	String	The number of rows to be skipped.	No
fetch	Body Parameter	String	The number of records to be returned.	No

The endpoint will return a JSON response with the following key/value pairs:

Name	Type	Description
FreightBookings	Array	Array of FreightBookings objects (see Section 2.3.1).

Only freight items owned by the user's employer will be shown.

In addition to the FreightBookings object, the following name/value pairs may be returned:

Name	Type	Description
message	String	Any message associated with the request.
status	Number	The status associated with the request. <ul style="list-style-type: none"><li>• Zero (0) indicates a successful request.</li><li>• Any value other than zero (0) indicates an error.</li></ul>
rows_skipped	Number	The number of records that were skipped.
page_size	Number	The number of records that exist in the current record return.
total_rows	Number	The total number of available records.
rows_remaining	Number	The number of records that exist that are not included in the current record return.

## 2.3.1 FreightBookings Object

A FreightBookings object will be a JSON object containing the following name/value pairs:

Name	Type	Description
Item	String	The freight item's ID.
Description	String	The freight item's description.
Status	String	The freight item's booking status. This can be: <ul style="list-style-type: none"> <li>• Bumped</li> <li>• Manifested</li> <li>• Provisional</li> </ul>
DepartureOccurrence	String	The freight item's departure occurrence, if applicable.
DepartureLocation	String	The location code of the freight item's departure location.
ArrivalLocation	String	The location code of the freight item's destination location.
FinalDestination	String	The location code of the freight item's final destination location, if available.
Pieces	String	The number of pieces in the freight item.
WeightLbs	String	The freight item's weight in pounds, if available.
WeightKg	String	The freight item's weight in kilograms, if available.
Priority	String	The freight item's priority.
Danger	String	Whether the freight item is flagged as being dangerous. This can have either of the two following values: <ul style="list-style-type: none"> <li>• N – No</li> <li>• Y – Yes</li> </ul>
Received	Date	The date and time when the freight item was received, if available. This will be returned in the 'YYYY-MM-DDTHH:mm:ssZ' format.
UNNumber	String	The freight item's UN Number.
Length	String	The freight item's length in centimetres.
Width	String	The freight item's width in centimetres.
Height	String	The freight item's height in centimetres.
Remark	String	Any remarks that have been recorded for the freight item.
FlightDate	Date	The freight item's booking date. This will be returned in the 'YYYY-MM-DDTHH:mm:ssZ' format.
FlightName	String	The name of the flight on which the freight item is booked, if applicable.
FlightNumber	String	The flight's number.

## 2.3.2 POST Example for \*/freight/read\_freight\_booking\_data

### CURL

```
curl --location 'https://example.com/freight/read_freight_booking_data' \
--header 'Content-Type: application/json' \
--header 'Authorization: Bearer xxxxxxxxxxxxxx' \
--data '{
  "FlightName": "xxxx",
  "BookingDate": "2024-05-17",
  "DepartureLocation": "xxxx",
  "ArrivalLocation": "xxxx",
  "skip": "0",
  "fetch": "1"
}'
```

### JavaScript

```
const myHeaders = new Headers();
myHeaders.append("Content-Type", "application/json");
myHeaders.append("Authorization", "Bearer const myHeaders = new Headers();");
myHeaders.append("Content-Type", "application/json");
myHeaders.append("Authorization", "Bearer xxxxxxxxxxxxxx");
const raw = JSON.stringify({
  "FlightName": "xxxx",
  "BookingDate": "2024-05-17",
  "DepartureLocation": "xxxx",
  "ArrivalLocation": "xxxx",
  "skip": "0",
  "fetch": "1"
});
const requestOptions = {
  method: "POST",
  headers: myHeaders,
  body: raw,
  redirect: "follow"
};
fetch("https://example.com/freight/read_freight_booking_data", requestOptions)
  .then((response) => response.text())
  .then((result) => console.log(result))
  .catch((error) => console.error(error));
```

### Return Example

```
{
  "FreightBookings": [
    {
      "Item": "xxxx",
      "Description": "xxxx",
      "Status": "Manifested",
      "DepartureOccurrence": 1,
      "DepartureLocation": "xxxx",
      "ArrivalLocation": "xxxx",
      "FinalDestination": null,
      "Pieces": "30",
      "WeightLbs": "265",
      "WeightKg": "120",
      "Priority": "1",
      "Danger": "N",
      "Received": "2024-05-17T00:00:00Z",
      "UNNumber": null,
      "Length": null,
      "Width": null,
      "Height": null,
      "Remark": null,
      "FlightDate": "2024-05-17T00:00:00Z",
      "FlightName": "xxxx",
      "FlightNumber": "xxxx"
    }
  ]
}
```

```
    }  
  ],  
  "message": "Success",  
  "status": 0,  
  "rows_skipped": 0,  
  "page_size": 1,  
  "total_rows": 1,  
  "rows_remaining": 0  
}
```

## 2.4 \*/bookings/read\_passenger\_booking\_data

The \*/read\_passenger\_booking\_data endpoint will return a collection of passenger booking records that matches the input parameters. As input, it will require the following parameters:

Parameter	Type	Value	Description	Required
Authorization	Header	Bearer [Authorization Token value]	Contains Authorization Token needed to authenticate requests to the API.	Yes
FlightName	Body Parameter	String	The flight's name. This parameter is optional.	No
BookingDate	Body Parameter	Date	The date for which passenger bookings will be returned. This can be in the past or future. The date will be in the 'YYYY-MM-DD' format.	Yes
PersonnelID	Body Parameter	String	The passenger's Vantage ID. This parameter is optional.	No
DepartureLocation	Body Parameter	String	The location code of the departure location for which passenger bookings will be returned. This parameter is optional.	No
ArrivalLocation	Body Parameter	String	The location code of the destination location for which passenger bookings will be returned. This parameter is optional.	No
skip	Body Parameter	String	The number of rows to be skipped.	No
fetch	Body Parameter	String	The number of records to be returned.	No

The endpoint will return a JSON response with the following key/value pairs:

Name	Type	Description
PassengerBookings	Array	Array of PassengerBookings objects (see Section 2.4.1).

Access to passenger bookings via the API will be the same as in the application. Only passenger bookings that meet one of the following conditions will be shown:

- The passenger is employed by or regularly works for the user's operator.
- The booking is to or from a location that is on-hire to the user's operator (or was at the time of the booking if in the past).
- The flight is owned or operated by the user's operator.
- The flight is for a consortium of which the user's operator is a member.

In addition to the PassengerBookings object, the following name/value pairs may be returned:

Name	Type	Description
message	String	Any message associated with the request.
status	Number	The status associated with the request. <ul style="list-style-type: none"><li>• Zero (0) indicates a successful request.</li><li>• Any value other than zero (0) indicates an error.</li></ul>
rows_skipped	Number	The number of records that were skipped.
page_size	Number	The number of records that exist in the current record return.
total_rows	Number	The total number of available records.
rows_remaining	Number	The number of records that exist that are not included in the current record return.

## 2.4.1 PassengerBookings Object

A PassengerBookings object will be a JSON object containing the following name/value pairs:

Name	Type	Description
BookingNumber	String	The booking's unique number.
BookingType	String	The code of the booking's type.
BookingTypeName	String	The description on the booking's type.
BookingDate	Date	The booking's date. This will be returned in the 'YYYY-MM-DDTHH:mm:ssZ' format.
BookingStatus	String	The code of the booking's status.
BookingStatusName	String	The description of the booking's status.
Priority	String	The booking's priority.
FlightNumber	String	The flight's unique number.
FlightName	String	The flight's name.
FlightDate	Date	The flight's date. This will be returned in the 'YYYY-MM-DDTHH:mm:ssZ' format.
TravelDirection	String	The code of the booking's travel direction.
TravelDirectionName	String	The description of the booking's travel direction.
DepartureOccurrence	String	The booking's departure occurrence.
BookingOwner	String	The employer ID of the booking's owner.
BookingOwnerName	String	The name of the booking's owner.
BookedByCompany	String	The employer ID of the company that created the booking.
BookedByCompanyName	String	The name of the company that created the booking.
FlightOperator	String	The employer ID of the flight's operator.
FlightOperatorName	String	The name of the flight's operator.
NoSeats	String	The number of seats in the booking.
PersonnelID	String	The passenger's Vantage ID.
Title	String	The passenger's title.
Forenames	String	The passenger's forenames.
Surname	String	The passenger's surname.
Discipline	String	The passenger's currently assigned discipline.
DepartureField	String	The booking's departure field.

Name	Type	Description
DepartureLocation	String	The code of the booking's departure location.
DepartureLocationName	String	The name of the booking's departure location.
DestinationField	String	The code of the booking's destination field.
DestinationLocation	String	The code of the booking's destination location.
DestinationLocationName	String	The name of the booking's destination location.
OriginalDestination	String	The code of the booking's original destination. This is applicable to bookings where the flight has been diverted.
OriginalDestinationName	String	The name of the booking's original destination. This is applicable to bookings where the flight has been diverted.
OntoLocation	String	The code of the booking's onto location.
OntoLocationName	String	The name of the booking's onto location.
AccountOwner	String	The employer ID of the booking's account owner.
AccountOwnerName	String	The name of the booking's account owner.
AccountCode	String	The booking's account code.
DeptOwner	String	The employer ID of the booking's department owner.
DeptOwnerName	String	The name of the booking's department owner.
DeptCode	String	The booking's department code.
PersonnelRotaID	String	The ID of the personnel rota used to create the booking, if applicable.
PersonnelShiftPattern	String	The code of the booking's shift pattern if it was created from a personnel rota.
PersonnelShiftPatternName	String	The name of the booking's shift pattern if it was created from a personnel rota.
CompanyRotaID	String	The ID of the company rota used to create the booking, if applicable.
CompanyShiftPattern	String	The code of the booking's shift pattern if it was created from a company rota.
CompanyShiftPatternName	String	The name of the booking's shift pattern if it was created from a company rota.
ExperienceIndicator	String	The code of the passenger's experience indicator.
ExperienceIndicatorName	String	The description of the passenger's experience indicator.
Medevac	String	Whether it is a medevac booking.
Compassionate	String	Whether it is a compassionate booking.
Medication	String	Whether the passenger is carrying medication.

Name	Type	Description
MobilePhone	String	Whether the passenger is carrying a mobile phone.
LocationDeallocation	String	Whether the passenger is deallocated from their departure location.
BoardingPassNumber	String	The booking's boarding pass number.
SurvivalSuitNumber	String	The passenger's survival suit number.
BaggagePieces	String	The number of baggage items.
BaggageWeight	String	The total weight of the passenger's baggage.
BaggageWeightUnit	String	The unit of weight used for the baggage weight.
PassengerWeight	String	The passenger's weight.
PassengerWeightUnit	String	The unit of weight used for the passenger's weight.
FinalDestination	String	The code of the booking's final destination. This is applicable to bookings the use holding locations.
FinalDestinationName	String	The name of the booking's final destination. This is applicable to bookings the use holding locations.
HoldingParentID	String	The booking number of the parent booking if holding locations are being used.
ActivityClass	String	The booking's activity class.
ActivityClassOwner	String	The employer ID of the booking's activity class owner.
ActivityClassOwnerName	String	The name of the booking's activity class owner.
ActivityCode	String	The booking's activity code.
ActivityCodeOwner	String	The employer ID of the booking's activity code owner.
ActivityCodeOwnerName	String	The name of the booking's activity code owner.
CheckinTimeAdvised	String	Whether the passenger has been advised of the check-in time.
BagWt1	String	The weight of the passenger's first bag.
BagWt2	String	The weight of the passenger's second bag.
BagWt3	String	The weight of the passenger's third bag.
BagWt4	String	The weight of the passenger's fourth bag.
BagWt5	String	The weight of the passenger's fifth bag.
LinkedBooking	String	The booking number of the passenger's linked return booking, if applicable.
BookingReference	String	Any text entered into the booking's reference field.
GenericText1	String	Any text entered into the booking's first customisable text field.

Name	Type	Description
GenericText2	String	Any text entered into the booking's second customisable text field.
Remark	String	Any text entered into the booking's remarks field.
PEDsNumber	String	The number of the personal electronic devices (PEDs) the passenger is carrying.
BookingInstructions	String	Any text entered into the booking's booking instructions field.

## 2.4.2 POST Example for \*/bookings/read\_passenger\_booking\_data

### CURL

```
curl --location 'https://example.com/bookings/read_passenger_booking_data' \  
--header 'Content-Type: application/json' \  
--header 'Authorization: Bearer xxxxxxxxxxxxxx' \  
--data '{  
  "BookingDate": "2023-12-01",  
  "FlightName": "xxxxx",  
  "PersonnelID": "xxxxxxx",  
  "DepatureLocation": "xxxx",  
  "DestinationLocation": "xxxx",  
  "skip": "1",  
  "fetch": "1"  
}'
```

### JavaScript

```
var myHeaders = new Headers();  
myHeaders.append("Content-Type", "application/json");  
myHeaders.append("Authorization", "Bearer xxxxxxxxxxxxxx");  
var raw = JSON.stringify({  
  "BookingDate": "2023-12-01",  
  "FlightName": "xxxxx",  
  "PersonnelID": "xxxxxxx",  
  "DepatureLocation": "xxxx",  
  "DestinationLocation": "xxxx",  
  "skip": "1",  
  "fetch": "1"  
});  
var requestOptions = {  
  method: 'POST',  
  headers: myHeaders,  
  body: raw,  
  redirect: 'follow'  
};  
fetch("https://example.com/bookings/read_passenger_booking_data", requestOptions)  
  .then(response => response.text())  
  .then(result => console.log(result))  
  .catch(error => console.log('error', error));
```

### Return Example

```
{  
  "PassengerBookings": [  
    {  
      "BookingNumber": "xxxxxxx",  
      "BookingType": "P",  
      "BookingTypeName": "Personnel",  
      "BookingDate": "2023-12-28T00:00:00Z",  
      "BookingStatus": "R",  
      "BookingStatusName": "Rota",  
      "Priority": "5",  
      "FlightNumber": "xxxxxx",  
      "FlightName": "xxxxxx",  
      "FlightDate": "2023-12-28T00:00:00Z",  
      "TravelDirection": "OF",  
      "TravelDirectionName": "Onshore to Offshore",  
      "DepartureOccurrence": "1",  
      "BookingOwner": "xxxxx",  
      "BookingOwnerName": "xxxxxxx",  
      ...  
      "BagWt5": null,  
      "LinkedBooking": "xxxxxx",  
      "BookingReference": null,  
      "GenericText1": null,  
      "GenericText2": null,  
    }  
  ]  
}
```

```
        "Remark": null,  
        "PEDsNumber": null,  
        "BookingInstructions": null  
    }  
],  
"message": "Success",  
"status": 0,  
"rows_skipped": 1,  
"page_size": 1,  
"total_rows": 2,  
"rows_remaining": 0  
}
```

## 2.5 Error Codes

The API will utilize the following HTTP status codes to represent any errors were appropriate:

Code	Error Type	Description
400	Bad Request	The request could not be validated. Check any input parameters.
401	Unauthorized	The request could not be authorised. See the response body for more information
500	Server Error	An unexpected error has occurred. See the response body for more information