



# FLIGHT API DOCUMENTATION

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# 1. Changelogs

| Date        | By           | Change Description                                       | Version |
|-------------|--------------|--|---------|
| 11 Nov 2022 | Bilal Shaikh | Document Launch Flight API Documentation<br>(JSON-Based) | 1.0     |
|             |              |  |         |
|             |              |  |         |
|             |              |  |         |
|             |              |  |         |
|             |              |  |         |

## 2. Compression

To make the server response faster gzip compression is used.

1: "Accept-Encoding: gzip, deflate" is required in the header of the request.

2: "Content-Encoding: gzip" will be in the response of the header.

3: Please decompress the response before processing.

## 3. API Endpoints

Test BaseURL: <https://flightout.aos-dev.com/>

Please follow this convention for API endpoints: {BaseURL}/{Method Name}.

| API              | Endpoint            |
|------------------|---------------------|
| Authentication   | /auth/authenticate  |
| Low Fare         | /offer/lowfare      |
| Branded Fare     | /offer/brandedfare  |
| Pricing          | /offer/pricing      |
| Create-Order     | /order/create-order |
| Re-confirm Order | /order/re-confirm   |
| Issue Order      | /order/issue        |

## 4. Authentication

The API uses the Bearer Token protocol for this authentication.

All APIs should be secured with HTTPS protocol.

|             |   |
|-------------|---|
| Description | The provided User Id and Password should be used in the header for authorization. |
| URL         | /auth/authenticate  |

|              |                  |
|--------------|------------------|
| Method       | POST             |
| Content-Type | application/json |

## 4.1 Authentication Sample (Invalid Credentials)

POST flightapiout.aos-dev.com/api/v2/auth/authenticate

Params Authorization Headers (9) Body Pre-request Script Tests Settings

|                                     |                 |  |             |
|-------------------------------------|-----------------|--|-------------|
| <input checked="" type="checkbox"/> | Host            | <calculated when request is sent>              |             |
| <input checked="" type="checkbox"/> | User-Agent      | PostmanRuntime/7.30.0                          |             |
| <input checked="" type="checkbox"/> | Accept          | */*  |             |
| <input checked="" type="checkbox"/> | Accept-Encoding | gzip, deflate, br                              |             |
| <input checked="" type="checkbox"/> | Connection      | keep-alive                                     |             |
| <input checked="" type="checkbox"/> | userid          | 486b0fc4-cee3-47b7-bb39-533a61c9492            |             |
| <input checked="" type="checkbox"/> | password        | 50B6F741D8370DABC479485CCBD4513F025C706DEFE... |             |
|                                     | Key             | Value  | Description |

Body Cookies Headers (5) Test Results Status: 400 Bad Request Time: 1964 ms

Pretty Raw Preview Visualize JSON

```

1
2  "token": null,
3  "tokenExpiry": 0,
4  "error": "Invalid Credentials",
5  "errorCode": "208"
6

```

## 4.2 Authentication Sample (Successful Token Generation)

Token validity is 60 minutes and it is sent as seconds in response under property 'tokenExpiry'

The screenshot displays the Postman interface for an authentication request. The 'Headers' tab is active, showing the following headers:

| Key             | Value   | Description |
|-----------------|---|-------------|
| Host            | <calculated when request is sent>             |             |
| User-Agent      | PostmanRuntime/7.30.0                         |             |
| Accept          | */*   |             |
| Accept-Encoding | gzip, deflate, br                             |             |
| Connection      | keep-alive                                    |             |
| userid          | 486b0fc4-cee3-47b7-bb39-533a61c94925          |             |
| password        | 50B6F741D8370DABC479485CCBD4513F025C706DEF... |             |

The 'Body' tab is also visible, showing the response in JSON format:

```

1 {
2   "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmIxdWVibmFtZSI6IjQ4NmIwZmM0LWN1ZTMtNDd1Ny11YjM5LTUzM2E2MwM5NDkyNSIsIm51ZiI6MTY3MzYyNDk2NSwiZGlhZjoxNjc4NTY1LCJpYXQ1OjE2NzY2MjMjQ5NjV9.VGFYMsfoQ1_9l9Cj2eAVD0z_XytxqsUAWu2UiorCk7A",
3   "tokenExpiry": 3600
4 }
  
```

The status bar at the bottom indicates: Status: 200 OK, Time: 3.55 s, Size: 427 B. A 'Save Response' button is also present.

## 5. Timeout Settings

Please refer to the following table for recommended timeout settings for each API.

| API             | Recommended Timeout (in seconds) |
|-----------------|----------------------------------|
| Authenticate    | 60                               |
| Low Fare        | 60                               |
| Branded Fare    | 60                               |
| Pricing         | 60                               |
| Generate Order  | 240                              |
| Reconfirm Order | 240                              |
| Issue Order     | 240                              |

**Note:** To complete the entire booking process i.e., from search to book, the timeout is 29 minutes.

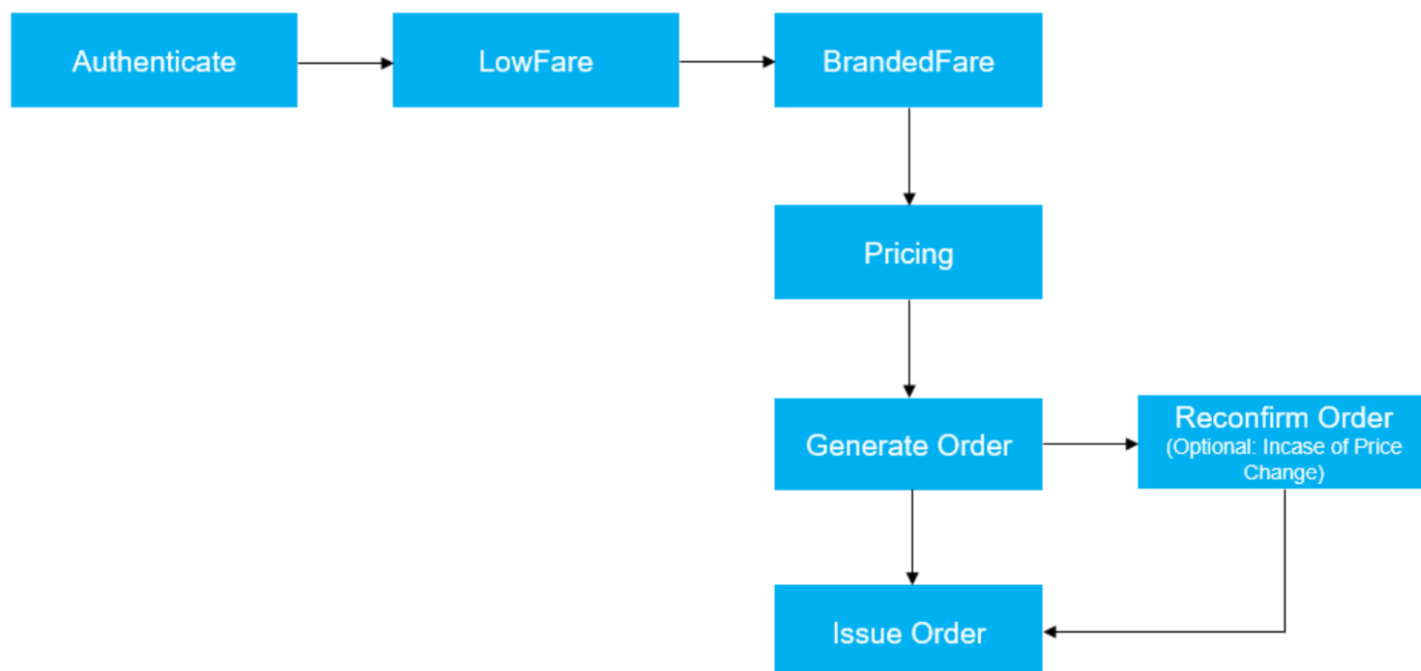
## 6. Response Status

Status code indicates the status of response.

| Response Status        | Status Code Description | Remaks |
|------------------------|-------------------------|--------|
| Success                | 200                     |        |
| Unauthorized           | 401                     |        |
| Invalid Request        | 400                     |        |
| Unsupported Media Type | 415                     |        |

## 7. Flow Diagram

### 7.1 Flow without ancillary



## 8. Low Fare

|             |   |
|-------------|---|
| Description | This method provides the lowest fares available. Some filters and special features can be applied in the request. |
| URL         | BaseURL/offer/lowfare   |
| Method      | POST  |

### 8.1. Request Parameter

| Parameter          | Type    | Description   | Parameter Type |
|--------------------|---------|---|----------------|
| BearerToken        | String  | Authenticated token to be sent with each request in the header  | Mandatory      |
| OrgId              | String  | Unique client id shared with you as part of access  | Mandatory      |
| <b>Itineraries</b> | Array   | List of sectors   | Mandatory      |
| DepartureCode      | String  | Departure Airport Code (e.g. DXB)   | Mandatory      |
| ArrivalCode        | String  | Arrival Airport Code (e.g. LHR)   | Mandatory      |
| DepartureDate      | String  | Departure Date (e.g. DD MMM YYYY)   | Mandatory      |
| Ticketclass        | String  | The class which the user selects while searching for a flight<br>(Y: Economy, F: First Class, W: Premium Economy, C: Business Class, M: Economy)              | Mandatory      |
| TripType           | Integer | Trip Type (1: One-way, 2: Round trip, 3: Multi city)  | Mandatory      |
| Adults             | Integer | Number of adult traveler  | Mandatory      |
| Children           | Integer | Number of child traveler  | Mandatory      |
| Infants            | Integer | Number of infant traveler   | Mandatory      |
| LangCode           | String  | Two letter language code<br>Supported codes (EN: English, AR: Arabic, FR: French)   | Mandatory      |
| AirlineCode        | String  | Preferred airline codes. This parameter is used to filter specific airlines in the results.<br>Maximum 3 codes are supported in a request.<br>(e.g. EY,EK,QR) | Optional       |



|                |         |   |           |
|----------------|---------|---|-----------|
| IsDirectFlight | Boolean | true or false<br>Send true if only direct flights are required in the response  | Optional  |
| IsBaggageOnly  | Boolean | true or false<br>To filter flights with check in baggage only   | Optional  |
| Refundable     | Boolean | true or false<br>To filter flights with refundable fares only   | Optional  |
| TargetCurrency | String  | 3 letter currency code eg: AED, INR Send the currency code of your account  | Mandatory |
| JourneyType    | String  | This defines the Journey type depending on the origin and destination airport search (Values: 'International' and 'Domestic')<br>If both origin and destination airport is of same country then send 'Domestic' | Mandatory |

## 8.2. Response Parameter

| Parameter                      | Type            | Description   |
|--------------------------------|-----------------|---|
| <b>Fop (Flight Options)</b>    | Object          | The List of Flight options  |
| Type                           | String          | This parameter value indicates the fare combinations. Default value is 'C' (this parameter is for future use) |
| <b>Fop (Flight Options)</b>    | Object          | Object with Flight option details   |
| Fii (Flight Index)             | Integer         | The unique flight index id  |
| <b>Fsg (Flight Segment)</b>    | Array of Object | The list of flight segment  |
| <b>Flg (Flight Leg)</b>        | Array of Object | The list of flight legs   |
| Id                             | Integer         | Unique id for leg object  |
| Dac (Departure Airport Code)   | String          | The value of this parameter is the departure Airport Code (e.g. DXB)  |
| Ddt (Departure Date)           | Date            | The value of this parameter is the departure of date (format, DDD, DD MMM YYYY)                               |
| Dti (Departure Time in 24 Hrs) | Time            | The value of this parameter is the departure time (format, HH:MM)   |
| Aac (Arrival Airport Code)     | String          | The value of this parameter is the arrival Airport Code (e.g. DXB)  |

|   |                 |   |
|---|-----------------|---|
| Adt (Arrival Date)                      | Date            | The Value of this parameter is the arrival date (format, DDD, DD MMM YYYY)  |
| Ati (Arrival Time in 24 Hrs)            | Time            | The value of this parameter is the arrival time (format HH:MM)  |
| Its (Is Technical Stop)                 | Boolean         | This parameter value indicates if this is technical stopover  |
| Tla (Technical Layover Airport)         | String          | If 'Its (Is Technical Stop)' is true then this parameter will show the technical stopover airport code (e.g. DXB) |
| Tld (Technical Layover Time Duration)   | Time            | This parameter value indicates the technical stop layover time duration (format HH:MM)                            |
| Occ (Operating Carrier)                 | String          | This parameter indicates the 2 letter airline code of operating carrier (eg. QR)                                  |
| Mcc (Marketing Carrier)                 | String          | This parameter value indicates the 2 letter airline code of marketing carrier (eg. QR)                            |
| Fnm (Flight Number)                     | String          | This parameter value indicates the flight number  |
| Act (Aircraft Type)                     | String          | This parameter value indicates the aircraft type of flight (eg. A380)   |
| Dat (Departure Airport Terminal)        | Integer         | This parameter value indicates the departure airport terminal number  |
| Aat (Arrival Airport Terminal)          | Integer         | This parameter value indicates the arrival airport terminal number  |
| Tfdh (Total Flight Duration in Hours)   | Integer         | This parameter value indicates the total flight duration in hours   |
| Tfdm (Total Flight Duration in Minutes) | Integer         | This parameter value indicates the total flight duration in minutes   |
| Lcc (Low Cost Carrier)                  | Boolean         | true or false<br>This parameter indicates if the flight is a low cost carrier                                     |
| Ttdh (Total Time Duration in Hours)     | Integer         | This parameter value indicates the total hour value of flight including layover                                   |
| Ttdm (Total Time Duration in Minutes)   | Integer         | This parameter value indicates the total minute value of flight including layover                                 |
| Ibf (Is Branded Fare)                   | Boolean         | true or false<br>If this flight option has branded fare options available   |
| <b>Fo (Flight Options)</b>              | Array of Object | List of flight fare options   |

|                                     |         |   |
|-------------------------------------|---------|---|
| <b>Fr (Fares)</b>                   | Object  | List of flight fares  |
| <b>Cb (Check-In Baggage)</b>        | Object  | Check-In baggage details  |
| Bga (Baggage Allowance)             | Integer | This value indicates the baggage allowance value (e.g. 7)   |
| Bgt (Baggage Type)                  | String  | This value indicates the baggage allowance type (Value: W: weight & N: Piece)                         |
| Bgu (Baggage Unit)                  | String  | This value indicates the baggage allowance type (e.g. K : Kilograms, P: Pounds)                       |
| Nm (Branded Fare Name)              | String  | This value identifies the name of branded Fare (Fare Family Name) (e.g. Economy, Lite, etc)           |
| Lcc (Low Cost Carrier)              | Boolean | true or false<br>This parameter indicates if the flight is a low cost carrier                         |
| Vkc (Validating Carrier)            | String  | This parameter identifies the 2 letter airline code of validating carrier / pricing carrier           |
| <b>Fcc (Flight Cabin and Class)</b> | Array   | Flight Cabin and Class, array of sectors in sequence (outbound and inbound)                           |
| Boc (Booking Class)                 | String  | RBD   |
| Cac (Cabin Class)                   | String  | This parameter defines the Cabin Class (e.g M: Economy)   |
| Ccn (Cabin Class Name)              | String  | This parameter defines the Cabin Class Name (Values: Economy, Business, First class, Premium Economy) |
| Fbc (Fare Basis Code)               | String  | Fare Basis Code   |
| Nos (Number of Seats Left)          | Integer | This parameter defines the number of seats available for the sector                                   |
| Bbf (Branded Fare name)             | String  | This parameter defines the fare family name at sector level   |
| Ir (Is Refundable)                  | Boolean | true or false<br>This parameter defines if the flight option is refundable or non refundable          |
| BaseAmt (Base Amount)               | Decimal | Base fare   |
| TaxAmt (Tax Amount)                 | Decimal | Tax amount  |
| TotalAmt (Total Amount)             | Decimal | This parameter defines the total of BaseAmt + TaxAmt  |
| Currency                            | String  | 3 letter currency code  |

|              |         |  |
|--------------|---------|--|
| Num (Number) | Integer | This parameter defines the unique number for the same flight group. Same price/same airline group. |
| Error        | String  | This description identifies the information of the error received, if any                          |
| HasResult    | Boolean | true or false<br>This flag indicates if flight result is available or not in response              |
| Airlines     | Array   | Name of the airlines with 2 letter code received in the response                                   |
| Airports     | Array   | Name of the airports with 3 letter code received in the response                                   |
| Cities       | Array   | Name of the cities with 3 letter airport code received in the response                             |
| Countries    | Array   | Name of the countries with 2 letter code received in the response                                  |

## 9. Branded Fare

|             |  |
|-------------|--|
| Description | This method is used to request fare options, fare rules, fare amenities, and baggage information |
| URL         | BaseURL/offer/brandedfare  |
| Method      | POST   |

### 9.1. Request Parameter

| Parameter           | Type            | Description  | Parameter Type |
|---------------------|-----------------|--|----------------|
| BearerToken         | String          | Authenticated token to be sent with each request in the header | Mandatory      |
| OrgId               | String          | Unique client id   | Mandatory      |
| <b>FlightOption</b> | Array of Object |  |                |
| Type                | String          | Flight group identifier  | Mandatory      |
| Id                  | Integer         | Selected flight index id                                       | Mandatory      |
| Sid                 | String          | Session id received in low fare response                       | Mandatory      |

## 9.2. Response Parameter

| Parameter                      | Type            | Description   |
|--------------------------------|-----------------|---|
| Sid                            | String          | Session Id  |
| Tokenid                        | String          | Unique token id in response which will be required in further booking process                                 |
| <b>Flight Summary</b>          | Array of Object | Array of Flight Details   |
| Type                           | String          | This parameter value indicates the fare combinations. Default value is 'C' (this parameter is for future use) |
| <b>Flight Options</b>          | Object          | Object of the selected flight option from the low fare search response  |
| Fii (Flight Index Id)          | Integer         | Selected flight index id  |
| <b>Fsg (Flight Segment)</b>    | Array of Object | Flight Segment details object   |
| <b>Flg (Flight Leg)</b>        | Array of Object | This array includes multiple Flight Leg details object  |
| Id                             | Integer         | This is Leg Id/Number   |
| Dac (Departure Airport Code)   | String          | The value of this parameter is the departure Airport Code (e.g. DXB)  |
| Dan (Departure Airport Name)   | String          | This parameter defines the Departure Airport Name (e.g. Dubai International Airport)                          |
| Dcc (Departure City Code)      | String          | This parameter defines the Departure City Code (e.g. DXB)   |
| Dcin (Departure City Name)     | String          | This parameter defines the Departure City Name (e.g. Dubai)   |
| Dcon (Departure Country Name)  | String          | This parameter defines the Departure Country Name (e.g. United Arab Emirates)                                 |
| Ddt (Departure Date)           | Date            | This parameter defines the Departure Date of the flight (Format: DDD, MMM D, YYYY) (e.g. Tue, Jan 7, 2022)    |
| Dti (Departure Time in 24 Hrs) | Time            | This parameter defines the Departure Time in 24 hours format (Format: HH:MM) (e.g. 17:23)                     |
| Aac (Arrival Airport Code)     | String          | This parameter defines the Arrival Airport Code   |
| Aan (Arrival Airport Name)     | String          | This parameter defines the Arrival Airport Name (e.g. Dubai International Airport)                            |
| Acc (Arrival City Code)        | String          | This parameter defines the Arrival City Code (e.g. DXB)   |

|   |         |  |
|---|---------|--|
| Acin (Arrival City Name)                | String  | This parameter defines the Arrival City Name (e.g. Dubai)  |
| Acon (Arrival Country Name)             | String  | This parameter defines the Arrival Country Name (e.g. United Arab Emirates)                              |
| Adt (Arrival Date)                      | Date    | This parameter defines the Arrival Date of the flight (Format: DDD, MMM D, YYYY) (e.g. Tue, Jan 7, 2022) |
| Ati (Arrival Time in 24 Hrs)            | Time    | This parameter defines the Arrival Time in 24 hours format (Format: HH:MM) (e.g. 17:23)                  |
| Its (Is Technical Stop)                 | Boolean | This parameter defines if the layover is for Technical stop  |
| Tla (Technical Layover Airport)         | String  | This defines the Technical layover airport code  |
| Lan (Layover Airport Name)              | String  | This defines the Technical layover airport name  |
| Lac (Layover Airport Code)              | String  | This defines the Technical layover airport code  |
| Tld (Technical Layover Time Duration)   | Time    | This defines the Technical layover time duration   |
| Occ (Operating Carrier)                 | String  | This defines the Operating Carrier/Airlines Code   |
| Ocn (Operating Carrier Name)            | String  | This defines the Operating Carrier/Airlines Name   |
| Mcc (Marketing Carrier)                 | String  | This defines the Marketing Carrier/Airlines Code   |
| McN (Marketing Carrier Name)            | String  | This defines the Marketing Carrier/Airlines Name   |
| Fnm (Flight Number)                     | String  | This parameter defines the Flight Number of the selected flight  |
| Act (Aircraft Type)                     | String  | This defines the Aircraft Type of the selected flight eg. A380   |
| Dat (Departure Airport Terminal)        | Integer | This defines the Departure Airport Terminal number   |
| Aat (Arrival Airport Terminal)          | Integer | This defines the Arrival Airport Terminal number   |
| Tfdh (Total Flight Duration in Hours)   | Integer | This parameter value indicates the total hour value of flight including layover                          |
| Tfdm (Total Flight Duration in Minutes) | Integer | This parameter value indicates the total minute value of flight including layover                        |
| Lcc (Low Cost Carrier)                  | Boolean | true or false  |

|   |                 |   |
|---|-----------------|---|
|   |                 | This parameter indicates if the flight is a low cost carrier  |
| Ttdh (Total Time Duration in Hours)     | Integer         | This parameter value indicates the total hour value of complete flight duration including layover   |
| Ttdm (Total Time Duration in Minutes)   | Integer         | This parameter value indicates the total minute value of complete flight duration including layover   |
| Ibf (Is Branded Fare)                   | Boolean         | true or false<br>If this flight option has branded fare options available   |
| <b>Fo (Flight Options)</b>              | Array of Object | Array of Flight Options   |
| Key                                     | String          | Unique fare option key  |
| <b>Tf (Total Fare)</b>                  | Object          | Object for Total Fare   |
| BaseAmt (Base Amount)                   | Decimal         | This parameter defines the total base fare amount   |
| TaxAmt (Tax Amount)                     | Decimal         | This parameter defines the total amount of tax  |
| TotalAmt (Total Amount)                 | Decimal         | This parameter defines the total of BaseAmt + TaxAmt  |
| Cur (Currency)                          | String          | This parameter defines the 3 letter currency code   |
| <b>Fr (Fares)</b>                       | Array of Object | Array of Fare Options in the selected Flight Option.<br>Here you will receive 02 types.<br>In the case of some LCC's and selected suppliers where sector wise (outbound/inbound wise) fare breakup is available. You will get (2 FR) with sector wise fare breakup. In the case of GDS fare family where outbound and inbound both fare family is combined already at GDS level, you will get (1 FR) with total fare of both the outbound and inbound sector. |
| Id                                      | Integer         | Fare Option Id  |
| Nm (Name)                               | String          | Fare option name  |
| Vkc (Validating Carrier)                | String          | This parameter defines the Validating Carrier/Airlines code   |
| Lcc (Low Cost Carrier)                  | Boolean         | true or false<br>This parameter indicates if the flight is a low cost carrier   |
| <b>Pfi (Passenger Fare Information)</b> | Array of Object | Array of Passenger Fare Information   |
| Tp (Passenger Type)                     | String          | This parameter defines the Type of Passenger (A: Adult, C: Child and I: Infant)   |
| Nm (Name)                               | String          | This is the name of the Fare  |
| <b>Fpb (Flight Price)</b>               | Object          | This Object defines the passenger-wise fare breakup on Fare   |

|                                       |                 |  |
|---------------------------------------|-----------------|--|
| <b>Breakup)</b>                       |                 | Family level   |
| PassengerType                         | Integer         | This parameter defines the Type of Passenger (1: Adult, 2: Child and 3: Infant)  |
| BaseAmt                               | Decimal         | Per pax base fare value of the passenger type  |
| TaxAmt                                | Decimal         | Per pax tax value of the passenger type  |
| TotalAmt                              | Decimal         | Per pax total of BaseAmt + TaxAmt of the passenger type  |
| OutputTax                             | Decimal         | Per pax output tax (such as GST/VAT as applicable) of the passenger type. Note this amount is already included in the TotalAmt |
| Fi (fgl group id)                     | Integer         | Connected fgl group id for the passenger type  |
| <b>Fgl (Flight Group Leg Details)</b> | Array of Object | Contains details of baggage, fare amenities, cabin class info and fare rule at flight leg level                                |
| Id                                    | Integer         | This defines the flight group leg Id   |
| Type                                  | String          | This parameter defines the Type of Passenger (A: Adult, C: Child and I: Infant)  |
| <b>Fld (Flight Leg Details)</b>       | Array of Object | This array lists the leg-wise details of the selected flight option  |
| Si (Segment Index)                    | Integer         | This parameter defines the segment id of the leg   |
| Li (Leg Index)                        | Integer         | This parameter defines the leg id under the segment  |
| <b>Bg (Baggage Details)</b>           | Object          | This object gives the baggage details of the passenger type  |
| Strbga (Text Based Baggage)           | String          | This parameter defines the text based baggage information  |
| Isstrbga (Is Text Based baggage)      | Boolean         | This flag will be 'True' if the baggage detail is text based   |
| <b>Checkin</b>                        | Object          | This object gives Check-In baggage details   |
| Bga (Baggage Allowance)               | Integer         | This gives the value of Check-In baggage allowance (e.g. 25)   |
| Bgt (Baggage Type)                    | String          | This defines the Check-In baggage weight type (values: W: weight, N: Piece)  |
| Bgu (Baggage Unit)                    | String          | This defines the Check-In baggage unit type (values: K: Kilogram, P: Pounds)   |
| <b>Cabin</b>                          | Object          | This object gives Cabin baggage details  |
| Cbga (Baggage                         | Integer         | This gives the value of Check-In baggage allowance (e.g. 7)  |



|                        |         |   |
|------------------------|---------|---|
| Allowance)             |         |   |
| Cbgt (Baggage Type)    | String  | This defines the Check-In baggage weight type (values: W: weight, N: Piece)   |
| Cbgu (Baggage Unit)    | String  | This defines the Check-In baggage unit type (values: K: Kilogram, P: Pounds)  |
| <b>Cn (Cabin)</b>      | Object  | This object gives the Cabin details of the flight leg   |
| Boc (Booking Class)    | String  | RBD   |
| Cac (Cabin Class)      | String  | This parameter defines the Cabin Class (e.g M: Economy)   |
| Ccn (Cabin Class Name) | String  | This parameter defines the Cabin Class Name (Values: Economy, Business, First class, Premium Economy)   |
| Frt (Fare Type)        | String  | This parameter defines the Fare Type of the selected flight (e.g. RP: Published Fare, RU: UniFare, IT: Discounted IT Fare, RW: Corporate Fare, RV: Private Fare, RA: Negotiated Private Fare) |
| Fbc (Fare Basis Code)  | String  | Fare Basis Code   |
| Nos (No of Seats Left) | Integer | This parameter defines the number of seats left for fare option on leg level (e.g. 7)   |
| Bbf (Fare Family)      | String  | This parameter defines the fare family name of fare option on leg level   |
| <b>Am (Amenities)</b>  | Object  | This object gives the amenities of the selected fare option on the leg level  |
| Description            | String  | Free text description/title/name of the amenity   |
| IsChargable            | Boolean | true or false   |
| Type                   | String  | Type of amenity<br>Value:<br>Meal<br>Seat<br>InFlight<br>Miles<br>Baggage<br>Ground Transport<br>Lounge<br>Upgrade<br>Other   |
| <b>Pi (Penalties)</b>  | Object  | This object gives the penalty details of the selected flight on leg level   |

|                         |                 |  |
|-------------------------|-----------------|--|
| IsFareRule              | Boolean         | true or false<br>This flag show if the penalties are available as text instead of mini rule    |
| TextDescription         | String          | This parameter gives the details of the text based penalties on leg level                      |
| <b>Penalties</b>        | Array of Object | Mini Fare Rule Object  |
| Type                    | String          | 'Exchange' or 'Refund'   |
| Applicability           | String          | 'Before' or 'After'  |
| Refundable              | Boolean         | true or false<br>It is to be read in type 'Refund' section only                                |
| Value                   | Decimal         | Value of amount or percentage  |
| PenaltyType             | String          | 'A' for Amount 'P' for Percentage  |
| TimeType                | String          | UPTO, NoShow   |
| Currency                | String          | 3 letter currency code   |
| ToTime                  | Integer         | Time in hours. To be read in applicability 'Before'  |
| FromTime                | Integer         | Time in hours. To be read in applicability 'After'   |
| Changeable              | Boolean         | true or false  |
| NoOfOperation           | Integer         | Number of time change or refund is free or number of times the particular operation is allowed |
| <b>TotalFare</b>        | Object          | This object gives Total Fare on Fare level   |
| BaseAmt (Base Amount)   | Decimal         | This parameter defines the total base fare amount of fare (fr) level                           |
| TaxAmt (Tax Amount)     | Decimal         | This parameter defines the tax amount of fare (fr) level                                       |
| TotalAmt (Total Amount) | Decimal         | This parameter defines the total of BaseAmt + TaxAmt on (fr) level                             |
| Cur (Currency)          | String          | 3 letter currency code   |
| Lcc (Low Cost Carrier)  | Boolean         | true or false<br>This parameter indicates if the flight is a low cost carrier                  |
| Ipa (Is Pay At Agency)  | Boolean         | This parameter defines if the fare option is applicable for on hold booking                    |
| Dc (Description)        | String          | Disclaimer text for on-hold booking  |

|                           |         |  |
|---------------------------|---------|--|
| Tz (Timezone)             | String  | This is the Timezone in which the cancellation deadline date and time would be displayed for on hold booking   |
| Uc (UTC Time)             | String  | This the actual deadline time in UTC at which the PNR of the on hold booking will expire/canceled/purged   |
| If (Is FOID)              | Boolean | This flag will be 'True' if the Form of Identification number is applicable for any airlines in the selected flight option                               |
| It (Is Instant Ticketing) | Boolean | Identifier as true or false whether the selected fare ticketing will be instantly issued or processed offline by operation team after booking is created |
| Ir (Is Refundable)        | Boolean | Fare option level refundable/non-refundable flag as true or false  |
| Ipc (Is Price Change)     | Boolean | This flag will be 'True' if the price of the fare option is changed  |
| Pct (Price Change Type)   | Integer | This parameter defines the type of price change 0: No Change, 1: Increase, 2: Decrease   |
| Amt (Amount)              | Boolean | This parameter gives the difference in Old fare and New fare   |
| Irc (Is Repriced)         | Boolean | This flag will be 'True' if the flight option is repriced  |
| Pc (PNR Count)            | Integer | This flag gives the count of PNR that will be generated for the selected fare option   |
| So (Sold Out)             | Boolean | true or false<br>If the selected fare is sold out  |
| Num (Number)              | Integer | This parameter defines the unique number for the same flight group. Same price/same airline group.   |

## 10. Pricing

|             |  |
|-------------|--|
| Description | This method is used to recheck selected flight availability. |
| URI         | BaseUrl/api/v2/offer/pricing                                 |
| Method      | POST   |

### 10.1. Request Parameter

| Parameter   | Type   | Description         |           |
|-------------|--------|---------------------|-----------|
| BearerToken | String | Authenticated Token | Mandatory |

|                     |                 |  |           |
|---------------------|-----------------|--|-----------|
| Org Id              | String          | Unique client id                                     | Mandatory |
| Sid (Session Id)    | String          | Session Id received in branded fare response         | Mandatory |
| Token               | String          | Unique token received in branded fare response       | Mandatory |
| <b>FlightOption</b> | Array of Object | List of Flight Options                               | Mandatory |
| Type                | String          | Flight option type received in branded fare response | Mandatory |
| Key                 | String          | Selected fare option key                             | Mandatory |

## 10.2. Response Parameter

If between passport, national id and iqama, multiple documents required comes true then only one document details is needed to be passed.

| Parameter   | Type            | Description  |
|---|-----------------|--|
| Sid (Session Id)                                  | String          | Session id   |
| Token   | String          | Token id   |
| <b>FlightSummary</b>                              | Array of Object | Everything is similar like Branded Fare response above except the Mandatory Documents section which will show the list of required documents to pass in Generate Order request |
| <b>MandatoryDocuments</b>                         | Object          | This object lists all the applicable APIS/Documents on the fare option level which is required to be passed in Generate Order request  |
| TtInternational (Trip Type International)         | Boolean         | This parameter defines if the documents are applicable on International flight   |
| TtDomestic (Trip Type Domestic)                   | Boolean         | This parameter defines if the documents are applicable on Domestic flight  |
| AdultPSPTNationality (Adult Passport Nationality) | Boolean         | This flag will be 'True' if Passport Nationality is applicable for Adult passenger   |
| AdultPSPTNumber (Adult Passport Number)           | Boolean         | This flag will be 'True' if Passport Number field is applicable for Adult passenger  |
| AdultPSPTCountry (Adult Passport Country)         | Boolean         | This flag will be 'True' if Passport Issuing Country Code is applicable for Adult passenger  |
| AdultPSPTExpiryDate                               | Boolean         | This flag will be 'True' if Passport Expiry Date is applicable for   |

|                        |  |                 |
|------------------------|--|-----------------|
| (Adult Passport Expiry |  | Adult passenger |
|------------------------|--|-----------------|

|  |         |   |
|--|---------|---|
| Date)  |         |   |
| AdultNTLID (Adult Nationality Id)                      | Boolean | This flag will be 'True' if Nationality Id field is applicable for Adult passenger                                |
| AdultNTLNationality (Adult Nationality Id Nationality) | Boolean | This flag will be 'True' if Nationality field for Nationality Id holder is applicable for Adult passenger         |
| AdultNTLCountry (Adult Nationality Id Country)         | Boolean | This flag will be 'True' if Nationality Id Issuing Country Name is applicable for Adult passenger                 |
| AdultNTLExpiryDate (Adult Nationality Id Expiry Date)  | Boolean | This flag will be 'True' if Nationality Id Expiry Date is applicable for Adult passenger                          |
| AdultIQAMAID (Adult Iqama Id)                          | Boolean | This flag will be 'True' if Iqama Id field is applicable for Adult passenger                                      |
| AdultIQAMANationality (Adult Iqama Id Nationality)     | Boolean | This flag will be 'True' if Nationality field for Iqama Id holder is applicable for Adult passenger               |
| AdultIQAMAExpiryDate (Adult Iqama Id Expiry Date)      | Boolean | This flag will be 'True' if Iqama Id Expiry Date is applicable for Adult passenger                                |
| AdultDateOfBirth                                       | Boolean | This flag will be 'True' if the Date of Birth is applicable for Adult passenger                                   |
| AdultDOCAResidenceAddress                              | Boolean | This flag will be 'True' if the Residence Address field is applicable for Adult passenger                         |
| AdultDOCAResidenceCity                                 | Boolean | This flag will be 'True' if the Residence City field is applicable for Adult passenger                            |
| AdultDOCAResidenceCountry                              | Boolean | This flag will be 'True' if the Residence Country field is applicable for Adult passenger                         |
| AdultDOCAResidenceState                                | Boolean | This flag will be 'True' if the Residence State/Province field is applicable for Adult passenger                  |
| AdultDOCAResidenceZip                                  | Boolean | This flag will be 'True' if the Residence Zipcode/Pincode/P.O. Box number field is applicable for Adult passenger |
| AdultDOCADestinationAddress                            | Boolean | This flag will be 'True' if the Destination Address field is applicable for Adult passenger                       |
| AdultDOCADestinationCity                               | Boolean | This flag will be 'True' if the Destination City field is applicable for Adult passenger                          |

|   |         |   |
|---|---------|---|
| AdultDOCADestinationCountry                       | Boolean | This flag will be 'True' if the Destination Country field is applicable for Adult passenger                             |
| AdultDOCADestinationState                         | Boolean | This flag will be 'True' if the Destination State/Province field is applicable for Adult passenger                      |
| AdultDOCADestinationZip                           | Boolean | This flag will be 'True' if the Destination Zipcode/Pincode/P.O. Box number field is applicable for Adult passenger     |
| AdultDOCAllowMultiple                             | Boolean | This flag will be 'True' if multiple DOCO details are required (Max only 2 supported) is applicable for Adult passenger |
| AdultDOCOVisaNumber                               | Boolean | This flag will be 'True' if the Visa Number field is applicable for Adult passenger                                     |
| AdultDOCOPlaceOfBirthCity                         | Boolean | This flag will be 'True' if the City of Birth Field is applicable for Adult passenger                                   |
| AdultDOCOPlaceOfBirthCountry                      | Boolean | This flag will be 'True' if the Country of Birth field is applicable for Adult passenger                                |
| AdultDOCOVisaIssuedDate                           | Boolean | This flag will be 'True' if the Visa Issuance Date field is applicable for Adult passenger                              |
| AdultDOCOVisaIssuedCity                           | Boolean | This flag will be 'True' if the Visa Issuance City field is applicable for Adult passenger                              |
| AdultDOCOVisaIssuedCountry                        | Boolean | This flag will be 'True' if the Visa Issuance Country field is applicable for Adult passenger                           |
| AdultDOCOVisaExpiryDate                           | Boolean | This flag will be 'True' if the Visa Expiry Date field is applicable for Adult passenger                                |
| AdultDOCOVisaRequiringCountry                     | Boolean | This flag will be 'True' if the Country of Visit where Visa is required is applicable for Adult passenger               |
| ChildPSPTNationality (Child Passport Nationality) | Boolean | This flag will be 'True' if Passport Nationality is applicable for Child passenger                                      |
| ChildPSPTNumber (Child Passport Number)           | Boolean | This flag will be 'True' if Passport Number field is applicable for Child passenger                                     |
| ChildPSPTCountry (Child Passport Country)         | Boolean | This flag will be 'True' if Passport Issuing Country Name is applicable for Child passenger                             |
| ChildPSPTExpiryDate (Child Passport Expiry Date)  | Boolean | This flag will be 'True' if Passport Expiry Date is applicable for Child passenger                                      |
| ChildNTLID (Child Nationality Id)                 | Boolean | This flag will be 'True' if Nationality Id field is applicable for Child passenger                                      |

|  |         |   |
|--|---------|---|
| ChildNTLNationality (Child Nationality Id Nationality) | Boolean | This flag will be 'True' if Nationality field for Nationality Id holder is applicable for Child passenger         |
| ChildNTLCountry (Child Nationality Id Country)         | Boolean | This flag will be 'True' if Nationality Id Issuing Country Name is applicable for Child passenger                 |
| ChildNTLExpiryDate (Child Nationality Id Expiry Date)  | Boolean | This flag will be 'True' if Nationality Id Expiry Date is applicable for Child passenger                          |
| ChildIQAMAID (Child Iqama Id)                          | Boolean | This flag will be 'True' if Iqama Id field is applicable for Child passenger                                      |
| ChildIQAMANationality (Child Iqama Id Nationality)     | Boolean | This flag will be 'True' if Nationality field for Iqama Id holder is applicable for Child passenger               |
| ChildIQAMAExpiryDate (Child Iqama Id Expiry Date)      | Boolean | This flag will be 'True' if Iqama Id Expiry Date is applicable for Child passenger                                |
| ChildDateOfBirth (Child Iqama Id Date of Birth)        | Boolean | This flag will be 'True' if the Date of Birth is applicable for Child passenger                                   |
| ChildDOCAResidenceAddress                              | Boolean | This flag will be 'True' if the Residence Address field is applicable for Child passenger                         |
| ChildDOCAResidenceCity                                 | Boolean | This flag will be 'True' if the Residence City field is applicable for Child passenger                            |
| ChildDOCAResidenceCountry                              | Boolean | This flag will be 'True' if the Residence Country field is applicable for Child passenger                         |
| ChildDOCAResidenceState                                | Boolean | This flag will be 'True' if the Residence State/Province field is applicable for Child passenger                  |
| ChildDOCAResidenceZip                                  | Boolean | This flag will be 'True' if the Residence Zipcode/Pincode/P.O. Box number field is applicable for Child passenger |
| ChildDOCADestinationAddress                            | Boolean | This flag will be 'True' if the Destination Address field is applicable for Adult passenger                       |
| ChildDOCADestinationCity                               | Boolean | This flag will be 'True' if the Destination City field is applicable for Child passenger                          |
| ChildDOCADestinationCountry                            | Boolean | This flag will be 'True' if the Destination Country field is applicable for Child passenger                       |
| ChildDOCADestinationState                              | Boolean | This flag will be 'True' if the Destination State/Province field is applicable for Child passenger                |

|  |         |  |
|--|---------|--|
| ChildDOCADestinationZip                                  | Boolean | This flag will be 'True' if the Destination Zipcode/Pincode/P.O. Box number field is applicable for Child passenger      |
| ChildDOCOCAllowMultiple                                  | Boolean | This flag will be 'True' if multiple DOCOC details are required (Max only 2 supported) is applicable for Child passenger |
| ChildDOCOCVisaNumber                                     | Boolean | This flag will be 'True' if the Visa Number field is applicable for Child passenger                                      |
| ChildDOCOCPlaceOfBirthCity                               | Boolean | This flag will be 'True' if the City of Birth Field is applicable for Child passenger                                    |
| ChildDOCOCPlaceOfBirthCountry                            | Boolean | This flag will be 'True' if the Country of Birth field is applicable for Child passenger                                 |
| ChildDOCOCVisaIssuedDate                                 | Boolean | This flag will be 'True' if the Visa Issuance Date field is applicable for Child passenger                               |
| ChildDOCOCVisaIssuedCity                                 | Boolean | This flag will be 'True' if the Visa Issuance City field is applicable for Child passenger                               |
| ChildDOCOCVisaIssuedCountry                              | Boolean | This flag will be 'True' if the Visa Issuance Country field is applicable for Child passenger                            |
| ChildDOCOCVisaExpiryDate                                 | Boolean | This flag will be 'True' if the Visa Expiry Date field is applicable for Child passenger                                 |
| ChildDOCOCVisaRequiringCountry                           | Boolean | This flag will be 'True' if the Country of Visit where Visa is required is applicable for Child passenger                |
| InfPsptNationality (Infant Passport Nationality)         | Boolean | This flag will be 'True' if Passport Nationality is applicable for Infant passenger                                      |
| InfPsptNumber (Infant Passport Number)                   | Boolean | This flag will be 'True' if Passport Number field is applicable for Infant passenger                                     |
| InfPsptCountry (Infant Passport Country)                 | Boolean | This flag will be 'True' if Passport Issuing Country Name is applicable for Infant passenger                             |
| InfPsptExpiryDate (Infant Passport Expiry Date)          | Boolean | This flag will be 'True' if Passport Expiry Date is applicable for Infant passenger                                      |
| InfantNTLID (Infant Nationality Id)                      | Boolean | This flag will be 'True' if Nationality Id field is applicable for Infant passenger                                      |
| InfantNTLNationality (Infant Nationality Id Nationality) | Boolean | This flag will be 'True' if Nationality field for Nationality Id holder is applicable for Infant passenger               |
| InfantNTLCountry (Infant Nationality Id Country)         | Boolean | This flag will be 'True' if Nationality Id Issuing Country Name is applicable for Infant passenger                       |



|  |         |  |
|--|---------|--|
| InfantNTLExpiryDate<br>(Infant Nationality Id Expiry Date) | Boolean | This flag will be 'True' if Nationality Id Expiry Date is applicable for Infant passenger                                |
| InfantIQAMAID (Infant Iqama Id)                            | Boolean | This flag will be 'True' if Iqama Id field is applicable for Infant passenger  |
| InfantIQAMANationality<br>(Infant Iqama Id Nationality)    | Boolean | This flag will be 'True' if Nationality field for Iqama Id holder is applicable for Infant passenger                     |
| InfantIQAMAExpiryDate<br>(Infant Iqama Id Expiry Date)     | Boolean | This flag will be 'True' if Iqama Id Expiry Date is applicable for Infant passenger                                      |
| InfantDateOfBirth  | Boolean | This flag will be 'True' if the Date of Birth is applicable for Infant passenger   |
| InfantDOCAResidenceAddress                                 | Boolean | This flag will be 'True' if the Residence Address field is applicable for Infant passenger                               |
| InfantDOCAResidenceCity                                    | Boolean | This flag will be 'True' if the Residence City field is applicable for Infant passenger                                  |
| InfantDOCAResidenceCountry                                 | Boolean | This flag will be 'True' if the Residence Country field is applicable for Infant passenger                               |
| InfantDOCAResidenceState                                   | Boolean | This flag will be 'True' if the Residence State/Province field is applicable for Infant passenger                        |
| InfantDOCAResidenceZip                                     | Boolean | This flag will be 'True' if the Residence Zipcode/Pincode/P.O. Box number field is applicable for Infant passenger       |
| InfantDOCADestinationAddress                               | Boolean | This flag will be 'True' if the Destination Address field is applicable for Infant passenger                             |
| InfantDOCADestinationCity                                  | Boolean | This flag will be 'True' if the Destination City field is applicable for Infant passenger                                |
| InfantDOCADestinationCountry                               | Boolean | This flag will be 'True' if the Destination Country field is applicable for Infant passenger                             |
| InfantDOCADestinationState                                 | Boolean | This flag will be 'True' if the Destination State/Province field is applicable for Infant passenger                      |
| InfantDOCADestinationZip                                   | Boolean | This flag will be 'True' if the Destination Zipcode/Pincode/P.O. Box number field is applicable for Infant passenger     |
| InfantDOCOCAllowMultiple                                   | Boolean | This flag will be 'True' if multiple DOCO details are required (Max only 2 supported) is applicable for Infant passenger |
| InfantDOCOVisaNumber                                       | Boolean | This flag will be 'True' if the Visa Number field is applicable for  |

|                               |         |  |
|-------------------------------|---------|--|
|                               |         | Infant passenger   |
| InfantDOCOPlaceOfBirthCity    | Boolean | This flag will be 'True' if the City of Birth Field is applicable for Infant passenger                     |
| InfantDOCOPlaceOfBirthCountry | Boolean | This flag will be 'True' if the Country of Birth field is applicable for Infant passenger                  |
| InfantDOCOVisaIssuedDate      | Boolean | This flag will be 'True' if the Visa Issuance Date field is applicable for Infant passenger                |
| InfantDOCOVisaIssuedCity      | Boolean | This flag will be 'True' if the Visa Issuance City field is applicable for Infant passenger                |
| InfantDOCOVisaIssuedCountry   | Boolean | This flag will be 'True' if the Visa Issuance Country field is applicable for Infant passenger             |
| InfantDOCOVisaExpiryDate      | Boolean | This flag will be 'True' if the Visa Expiry Date field is applicable for Infant passenger                  |
| InfantDOCOVisaRequiredCountry | Boolean | This flag will be 'True' if the Country of Visit where Visa is required is applicable for Infant passenger |

## 11. Create-Order

|             |                                       |
|-------------|---------------------------------------|
| Description | This method is used to create booking |
| URL         | BaseURL/order/create-order            |
| Method      | POST                                  |

### 11.1. Request Parameter

| Parameter              | Type            | Description            | Parameter Type |
|------------------------|-----------------|------------------------|----------------|
| BearerToken            | String          | Authenticated Token    | Mandatory      |
| Org Id                 | String          | Unique client id       | Mandatory      |
| SessionId              | String          | Session Id             | Mandatory      |
| <b>Order</b>           | Array of Object | Order details          | Mandatory      |
| <b>OrderFareOption</b> | Array of Object | Selected fare option   | Mandatory      |
| Key                    | String          | Select fare option key | Mandatory      |

|                         |                 |  |           |
|-------------------------|-----------------|--|-----------|
| Type                    | String          | Selected fare option type  | Mandatory |
| Token                   | String          | Selected fare option token   | Mandatory |
| <b>PassengerDetails</b> | Array of Object | List of passenger details for the booking  | Mandatory |
| PassengerType           | String          | This parameter defines the Type of Passenger (Adult, Child and Infant)   | Mandatory |
| Title                   | String          | Salutation of the Passenger as per the passenger type<br>Supported (For Adult: Mr, Ms, Mrs, For Child and Infant: Mstr, Miss)    | Mandatory |
| FirstName               | String          | First name of the passenger  | Mandatory |
| MiddleName              | String          | Middle name of the passenger (Optional) but mandatory for some sectors where passenger name should exactly match as per passport | Mandatory |
| LastName                | String          | Last name of the passenger   | Mandatory |
| DateOfBirth             | Date            | Date of Birth of the passenger if requested in APIS  | Mandatory |
| Gender                  | String          | Gender of the passenger basis on the salutation (Supported type in system Male, Female)  | Mandatory |
| FormOfIdentityNumber    | String          | FOID number if applicable in APIS  | Mandatory |
| <b>Document</b>         | Array of Object | List of Documents entered by the end customer before payment   | Mandatory |
| DocumentType            | String          | This defines the document type whether it is Passport, National Id or Iqama Id   | Mandatory |
| DocumentNumber          | String          | Document number  | Mandatory |
| DocumentIssuingCountry  | String          | Document issuing country 2 letter code   | Mandatory |
| Nationality             | String          | Nationality (Country 2 letter code to be passed) eg. for Emirati it is AE  | Mandatory |
| DocumentIssueDate       | Date            | Document issue date  | Mandatory |
| DocumentExpiryDate      | Date            | Document expiry date   | Mandatory |
| <b>FrequentFlyers</b>   | Array Of Object | This array lists the Frequent Flyer detail object  | Mandatory |
| Number                  | String          | Airline Frequent Flyer Number  | Mandatory |

|                           |                 |  |           |
|---------------------------|-----------------|--|-----------|
| AirlineCode               | String          | 2 letter airline code of the Frequent Flyer Number   | Mandatory |
| <b>DOCO</b>               | Array of Object | This array lists the DOCO details  | Mandatory |
| VisaNumber                | String          | Visa number  | Mandatory |
| PlaceOfBirthCity          | String          | City of birth. City Name to be passed eg. Riyadh   | Mandatory |
| PlaceOfBirthCountry       | String          | 2 letter country code  | Mandatory |
| VisaIssuedCity            | String          | Visa issuance city. City Name to be passed eg. Riyadh  | Mandatory |
| VisaIssuedCountry         | String          | 2 letter country code  | Mandatory |
| VisaIssuedDate            | Date            | Date DD MMM YYYY   | Mandatory |
| VisaExpiryDate            | Date            | Date DD MMM YYYY   | Mandatory |
| VisaRequiringCountry      | String          | 2 letter country code  | Mandatory |
| <b>DOCA</b>               | Array of Object | This array lists the DOCA details  | Mandatory |
| AddressOf                 | String          | This defines the Address type (Values: Residence or Destination)   | Mandatory |
| Address                   | String          | Address  | Mandatory |
| City                      | String          | City name  | Mandatory |
| Country                   | String          | 2 letter country code  | Mandatory |
| State                     | String          | 2 letter state code  | Mandatory |
| Zip                       | String          | Zip Code/Postal Code/P.O. Box Number   | Mandatory |
| <b>AdditionalServices</b> | Array of Object | This lists the leg-wise object of Additional Services/Optional Preferences which the end customer entered along with the required traveler information | Mandatory |
| AirlineCode               | String          | 2 letter airline code  | Mandatory |
| DepartureCode             | String          | Departure airport code   | Mandatory |
| ArrivalCode               | String          | Arrival airport code   | Mandatory |
| Type                      | String          | Type of optional service (Values: Meal/Seat/Special Assistance)  | Mandatory |
| Code                      | String          | This is the OTA code of the options of   | Mandatory |

|                      |         |   |           |
|----------------------|---------|---|-----------|
|                      |         | Optional Service Type (e.g. VGML)   |           |
| Description          | String  | This is the actual description of the option of Optional Service Type (e.g. Vegetarian Meal)                        | Mandatory |
| <b>ClientDetails</b> | Object  | This is the object of communication details entered by the end customer   | Mandatory |
| EmailAddress         | String  | Email address of the end customer   | Mandatory |
| MobileNumber         | String  | Mobile number of the end customer   | Mandatory |
| UserId               | Integer | User Id of the logged in end customer (in case you are using AOS B2C profile API) - value in this field is optional | Mandatory |
| CountryCode          | Integer | Country Phone Code of end customer eg. 966  | Mandatory |

## 11.2. Response Parameter

| Parameter              | Type            | Description   |
|------------------------|-----------------|---|
| SessionId              | String          | Session id  |
| HasResult              | Boolean         | true or false<br>This defines if the request was successfully processed or not            |
| <b>Result</b>          | Object          | This object comprises of all the booking related details                                  |
| BookingReferenceNumber | Integer         | This is the unique booking reference number   |
| <b>OrderList</b>       | Array of Object | This array lists the booking details as per the number of Booking Id(s)                   |
| BookingId              | Integer         | This is the unique booking Id   |
| <b>PnrDetailRs</b>     | Array of Object | This array lists the PNR-wise details with sector data on root and leg wise data under it |
| NumberOfAdult          | Integer         | Total number of adults in this PNR  |
| NumberOfChild          | Integer         | Total number of children in this PNR  |
| NumberOfInfant         | Integer         | Total number of infants in this PNR   |
| DepartureAirportCode   | String          | 3 letter Departure Airport code (e.g. DXB)  |
| ArrivalAirportCode     | String          | 3 letter Arrival Airport code (e.g. DXB)  |
| DepartureDate          | Date            | This is the flight departure date of the first leg format (DDD,                           |

|                          |                 |  |
|--------------------------|-----------------|--|
|                          |                 | MMM D, YYYY)   |
| ArrivalDate              | Date            | This is the flight arrival date of the last leg format (DDD, MMM D, YYYY)                          |
| CabinClassName           | String          | This parameter defines the Cabin Class Name (e.g. Economy, Business, First class, Premium Economy) |
| ValidatingCarrier        | String          | This is the validating carrier 2 letter airline code   |
| <b>ListOfTrips</b>       | Array of Object | This is the list of Trips  |
| <b>ListOfFlights</b>     | Array of Object | This is the list of Flights leg-wise   |
| DepartureAirportCode     | String          | The value of this parameter is the departure Airport Code (e.g. DXB)                               |
| DepartureAirportName     | String          | This parameter defines the Departure Airport Name (e.g. Dubai International Airport)               |
| ArrivalAirportCode       | String          | The value of this parameter is the arrival Airport Code (e.g. DXB)                                 |
| ArrivalAirportName       | String          | This parameter defines the Arrival Airport Name (e.g. Dubai International Airport)                 |
| FlightNumber             | String          | This parameter defines the Flight Number of the selected flight                                    |
| Aircraft                 | String          | This defines the Aircraft Type of the selected flight (e.g. A380)                                  |
| AircraftName             | String          | This defines the Aircraft Name of the selected flight (e.g. Boeing)                                |
| DepartureDate            | Date            | The value of this parameter is the departure of date (format. YYYY-MM-DD)                          |
| DepartureTimeIn24Hrs     | Time            | The value of this parameter is the departure time (e.g. HH:mm)                                     |
| ArrivalDate              | Date            | The Value of this parameter is the arrival date (format. YYYY-MM-DD)                               |
| ArrivalTimeIn24Hrs       | Time            | The value of this parameter is the arrival time (e.g. HH:MM 23:00)                                 |
| IsTechnicalStop          | Boolean         | This parameter defines if the layover is for Technical stop  |
| TechnicalStopAirportCode | String          | This defines the Technical layover airport code  |

|                            |                 |   |
|----------------------------|-----------------|---|
| TechnicalStopAirportName   | String          | This defines the Technical layover airport name   |
| TechnicalStopDuration      | Time            | This defines the Technical layover time duration  |
| BookingClass               | String          | RBD   |
| CabinClass                 | String          | This defines the Cabin Class Identifier (e.g. M: Economy)   |
| CabinClassName             | String          | This gives the Cabin Class Name which the end user has selected while making the flight search (e.g. Economy, Premium Economy, Business and First Class)                                      |
| OperatingCarrier           | String          | This defines the Operating Carrier/Airlines Code  |
| OperatingCarrierName       | String          | The defines the Operating Carrier/Airlines Name   |
| MarketingCarrier           | String          | This defines the Marketing Carrier/Airlines Code String   |
| MarketingCarrierName       | String          | This defines the Marketing Carrier/Airlines Name  |
| FareType                   | String          | This parameter defines the Fare Type of the selected flight (e.g. RP: Published Fare, RU: UniFare, IT: Discounted IT Fare, RW: Corporate Fare, RV: Private Fare, RA: Negotiated Private Fare) |
| FarebasisCode              | String          | Fare Basis Code   |
| DepartureAirportTerminal   | Integer         | This defines the Departure Airport Terminal number  |
| ArrivalAirportTerminal     | Integer         | This defines the Arrival Airport Terminal number  |
| TotalFlightDurationHour    | Integer         | This parameter value indicates the total hour value of flight including layover   |
| TotalFlightDurationMinutes | Integer         | This parameter value indicates the total minute value of flight including layover   |
| IsRefundable               | Boolean         | true or false   |
| LegNumber                  | Integer         | This parameter defines the leg number of the selected flight option   |
| <b>FlightFreeBaggages</b>  | Array of Object | This array lists the baggage details as per the passenger type on leg level   |
| PaxType                    | Integer         | This defines the passenger type (1: Adult, 2: Child, 3: Infant)   |
| BaggageAllowance           | Integer         | This gives the value of Check-In baggage allowance (e.g. 25)  |
| BaggageAllowanceType       | String          | This defines the Check-In baggage weight type (e.g. W: Weight, N: Piece)  |

|                                     |                 |   |
|-------------------------------------|-----------------|---|
| BaggageAllowanceUnitIdentifier      | String          | This defines the Check-In baggage unit type (e.g. K: kilogram, P: Pounds)   |
| CabinBaggageAllowance               | Integer         | This gives the value of Cabin baggage allowance (e.g. 7)  |
| CabinBaggageAllowanceType           | String          | This defines the Cabin baggage weight type (e.g. W: Weight, N: Piece)   |
| CabinBaggageAllowanceUnitIdentifier | String          | This defines the Cabin baggage unit type (e.g. K: Kilogram, P: Pounds)  |
| TotalTripDurationHour               | Integer         | This parameter value indicates the total hour value of complete flight duration including layover                   |
| TotalTripDurationMinutes            | Integer         | This parameter value indicates the total minute value of complete flight duration including layover                 |
| <b>PassengerDetails</b>             | Array of Object | This array lists the passenger wise details   |
| PaxOrder                            | Integer         | This parameter defines the order of the passenger (e.g. 0: first passenger, 1: second passenger and so on...)       |
| Title                               | String          | Title as received in GenerateOrder Request  |
| PaxType                             | Integer         | This parameter defines the Type of Passenger (1: Adult, 2: Child, 3: Infant)  |
| FirstName                           | String          | First name of the passenger   |
| MiddleName                          | String          | Middle name of the passenger  |
| LastName                            | String          | Last name of the passenger  |
| DOB (Date Of Birth)                 | Date            | Date of Birth of the passenger  |
| UserId                              | Integer         | B2C profile user id if sent in Generate Order request   |
| IsPrimaryPax (Is Primary Passenger) | Boolean         | This flag will be 'True' if the passenger is Primary. (There can be only one primary passenger which will be adult) |
| ContactCode                         | String          | Country Phone Code of the passenger (eg. 966)   |
| Mobile                              | Integer         | Mobile number   |
| EmailAddress                        | Integer         | Email Address   |
| <b>Documents</b>                    | Array of Object | List of Documents details as sent in request  |
| DocumentType                        | String          | This defines the document type whether it is Passport, National Id or Iqama Id                                      |
| DocumentNumber                      | String          | Document number   |



|                           |                 |  |
|---------------------------|-----------------|--|
| DocumentExpiryDate        | Date            | (format. YYYY-MM-DD)   |
| Nationality               | String          | 2 letter country code of the passenger nationality   |
| DocumentIssuingCountry    | String          | 2 letter country code  |
| DocumentIssueDate         | Date            | (format. YYYY-MM-DD)   |
| <b>FrequentFlyers</b>     | Array of Object | This array lists the Frequent Flyer detail object  |
| Number                    | String          | Frequent Flyer Number  |
| AirlineCode               | String          | 2 letter airline code as sent in request associated to frequent flyer number   |
| <b>Ticket</b>             | Array of Object | This array lists all the ticket details leg-wise   |
| DepartureCode             | String          | The value of this parameter is the departure Airport Code (e.g. DXB)   |
| ArrivalCode               | String          | The value of this parameter is the arrival Airport Code (e.g. DXB)   |
| TicketNumber              | String          | Ticket Number of a particular leg  |
| PNRNumber                 | String          | PNR number of a particular leg   |
| AirlinePNRNumber          | String          | The Airline PNR number of a particular leg   |
| <b>AdditionalServices</b> | Array of Object | This lists the leg-wise object of Additional Services/Optional Preferences which the end customer entered along with the required traveler information |
| AirlineCode               | String          | 2 letter airline code  |
| DepartureCode             | String          | Departure airport code   |
| ArrivalCode               | String          | Arrival airport code   |
| Type                      | String          | Type of optional service (Values: Meal/Seat/Special Assistance)  |
| Code                      | String          | This is the OTA code of the options of Optional Service Type (e.g. VGML)   |
| Description               | String          | This is the actual description of the option of Optional Service Type (e.g. Vegetarian Meal)   |
| <b>DOCO</b>               | Array of Object | This array lists the DOCO details  |
| VisaNumber                | String          | Visa number  |

|                          |                 |  |
|--------------------------|-----------------|--|
| PlaceOfBirthCity         | String          | City of birth. City Name to be passed eg. Riyadh   |
| PlaceOfBirthCountry      | String          | 2 letter country code  |
| VisaIssuedCity           | String          | Visa issuance city. City Name to be passed eg. Riyadh  |
| VisaIssuedCountry        | String          | 2 letter country code  |
| VisaIssuedDate           | Date            | Date DD MMM YYYY   |
| VisaExpiryDate           | Date            | Date DD MMM YYYY   |
| VisaRequiringCountry     | String          | 2 letter country code  |
| <b>DOCA</b>              | Array of Object | This array lists the DOCA details  |
| AddressOf                | String          | This defines the Address type (Values: Residence or Destination)                                 |
| Address                  | String          | Address  |
| City                     | String          | City name  |
| Country                  | String          | 2 letter country code  |
| State                    | String          | 2 letter state code  |
| Zip                      | String          | Zip Code/Postal Code/P.O. Box Number   |
| AddressOf                | String          | This defines the Address type (Values: Residence or Destination)                                 |
| <b>FlightFareBreakup</b> | Array of Object | This Object defines the passenger-wise fare breakup. Passenger wise fare breakup is in sequence. |
| PassengerType            | Integer         | This parameter defines the Type of Passenger (1: Adult, 2: Child and 3: Infant)                  |
| BaseAmt                  | Decimal         | Base fare  |
| TaxAmt                   | Decimal         | Tax amount   |
| TotalAmt                 | Decimal         | Total of BaseAmt + TaxAmt  |
| OutputTax                | Decimal         | Output tax (such as GST/VAT as applicable). Note this amount is already included in the TotalAmt |
| BookingStatus            | Integer         | 0: In Progress 3: Pending 8: Ticketed  |
| Status                   | Boolean         | 0: Success, 1: PriceIncrease, 4: PriceDecrease, 2: AvailabilityLost, 3: Other                    |

|                         |         |  |
|-------------------------|---------|--|
| Ipc (Is Price Change)   | Boolean | This flag will be 'True' if the price is changed                                       |
| Pct (Price Change Type) | Integer | This parameter defines the type of price change 0: No Change, 1: Increase, 2: Decrease |
| Amt (Amount)            | Boolean | This parameter gives the difference in Old fare and New fare                           |
| Irc (Is Repriced)       | Boolean | This flag will be 'True' if the flight option is repriced                              |
| So (Sold Out)           | Boolean | true or false<br>If the selected fare is sold out                                      |
| Error                   | String  | This parameter is used to display any error message                                    |

## 12. Re-confirm Order (Optional)

|             |  |
|-------------|--|
| Description | This method is used to reconfirm the Generate Order with new price incase price change is received in Generate Order response. |
| URI         | BaseUrl/order/reconfirm  |
| Method      | POST   |

### 12.1. Request Parameter

| Parameter       | Type    | Description                                       |           |
|-----------------|---------|---|-----------|
| BearerToken     | String  | Authenticated Token                               | Mandatory |
| Org Id          | String  | Unique client id                                  | Mandatory |
| SessionId       | String  | Session Id as received in Generate Order Response | Mandatory |
| BookingId       | Integer | Booking Id  | Mandatory |
| Payment_Mode    | String  | 'Account' for API partner                         | Mandatory |
| IssueHoldTicket | Boolean | true or false                                     | Mandatory |

### 12.2. Response Parameter

Response structure is similar to the GenerateOrder Response (please refer above)

## 13. Issue Order

|             |   |
|-------------|---|
| Description | This method is used to issue the ticket |
| URL         | BaseURL/order/issue                     |
| Method      | POST                                    |

### 13.1. Request Parameter

| Parameter       | Type    | Description              |           |
|-----------------|---------|--------------------------|-----------|
| BearerToken     | String  | Authenticated Token      | Mandatory |
| Org Id          | String  | Unique client id         | Mandatory |
| SessionId       | String  | Session Id               | Mandatory |
| BookingId       | Integer | Booking Id               | Mandatory |
| Payment_Mode    | String  | 'Wallet' for API partner | Mandatory |
| IssueHoldTicket | Boolean | true or false            | Mandatory |

### 13.2. Response Parameter

| Parameter  | Type    | Description  |
|--|---------|--|
| HasResult  | Boolean | true or false identifier whether request is successfully processed                                   |
| IsPayAtAgency  | Boolean | true or false identifier if it is on-hold booking where only PNR is created and ticket is not issued |
| *Rest everything is similar to the GenerateOrder Response (please refer above) |         |  |

## 14. JSON Examples

[Download](#)

## 15. Certification (Test Cases)

API Partner needs to go through a certification process in order to get live access.

Partner is requested to provide JSON logs and booking flow screenshots of below test cases.

**Test Cases**

- 1 Adult, One-Way
- 2 Adult, 2 Child, 2 Infant, One-Way
- 1 Adult, Round Trip
- 2 Adult, 2 Child, 2 Infant, Round Trip
- 1 Adult, Multi City
- 2 Adult, 2 Child, 2 Infant, Multi City
- 2 Adult, 2 Child, 2 Infant, Round Trip (2 FR)