



Connector page

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Preface

This document describes protocol of interaction with «Connector Page» service. This service provides access to Amadeus booking engine.

You can send parameters with either POST or GET request. But our recommendation is using GET request for troubleshooting purposes only.

Common options described in the table below.

Parameter	Required / Default	Description
LANGUAGE	NO / RU	Language of service. Can be either EN(GB) or RU
ENGINE	NO / NULL	Meta-search engine name. Used for count how many users meta-search engine led to booking engine.

Table №1: common parameters

Booking page

To access the Booking Page you should send parameters from table №2 into the page
<https://uralairlines.ru/connector/book/>.

Parameter	Required / Default	Description
Passenger Information		
TRAVELLER_TYPE_k Where k is between 1 and 9	No / TRAVELLER_TYPE_1=ADT	Passenger type. • ADT = Adult • CHD = Child
HAS_INFANT_k Where k is between 1 and 9	No / FALSE	Indicates that a passenger travels with an infant TRUE / FALSE Note that only adult passengers can travel with infants.
Travel Dates		
B_DATE_n Where n is between 1 and 2	Yes / –	Departure date in format «YYYYMMDD». For example: 09 May 2015 will be 20150509.
TRIP_TYPE	Yes / -	Indicates type of the trip • O — One way • R — with Return You must set this field to R if you specify B_DATE_2
Departure and Arrival Information		
B_LOCATION_1	Yes / –	Departure city or airport. 3-letter IATA code
E_LOCATION_1	Yes / –	Arrival city or airport. 3-letter IATA code.
Page type		
DISPLAY_TYPE	No / 2	Flexible dates. If this parameter is set to 1 then booking engine shows a table with cheapest fares for 3 days prior and after departure.

Table №2

Example:

<https://uralairlines.ru/connector/book/?>

B_DATE_1=20151011&B_DATE_2=20151022&B_LOCATION_1=MOW&E_LOCATION_1=SVX&LANGUAGE=EN&TRAVELLER_TYPE_1=ADT&HAS_INFANT_1=TRUE&TRIP_TYPE=R&DISPLAY_TYPE=1

Fare Page

To access the Fare Page you should send parameters from table №3 into the page
<https://uralairlines.ru/connector/fare/>.

Parameter	Required / Default	Description
Passenger Information		
TRAVELLER_TYPE_k Where k is between 1 and 9	No / TRAVELLER_TYPE_1=ADT	Passenger type. • ADT = Adult • CHD = Child
HAS_INFANT_k Where k is between 1 and 9	No / FALSE	Indicates that a passenger travels with an infant TRUE / FALSE Note that only adult passengers can travel with infants.
Travel Dates		
B_DATE_n Where n is between 1 and 2	Yes / –	Departure date in format «YYYYMMDD». For example: 09 May 2015 will be 20150509.
TRIP_TYPE	Yes / -	Indicates type of the trip • O — One way • R — with Return You must set this field to R if you specify B_DATE_2
Departure and Arrival Information		
B_LOCATION_1	Yes / –	Departure city or airport. 3-letter IATA code
E_LOCATION_1	Yes / –	Arrival city or airport. 3-letter IATA code.
Flight and Service information		
FLIGHT_NUMBER_n_m, where $n \in [1, 2]$ and $m \in [1, 3]$	Yes / –	Flight number. Numeric character string that together with date uniquely identifies flight of U6 airline.
RBD_n_m_k, where $n \in [1, 2]$, $m \in [1, 3]$ and $k \in [1, \text{number of passengers}]$	Yes / –	Class of service for each passenger

Table №3

Example:

<https://uralairlines.ru/connector/fare/>

B_DATE_1=20151013&B_DATE_2=20151024&B_LOCATION_1=MOW&E_LOCATION_1=SVX&FLIGHT_NUMBER_1_1=261&FLIGHT_NUMBER_2_1=219&FLIGHT_NUMBER_2_2=2800&LANGUAGE=EN&RBD_1_1_1=E&RBD_2_1_1=E&RBD_2_2_1=E&TRAVELLER_TYPE_1=ADT&HAS_INFANT_1=TRUE&TRIP_TYPE=R

Retrieve PNR

Retrieve PNR is a page with all information about specified PNR.

To access the Retrieve PNR you should send parameters from table №4 into the page <https://uralairlines.ru/connector/check/>.

Parameter	Required / Default	Description
REC_LOC	Yes / –	Record Locator value from Amadeus
DIRECT_RETRIEVE_LASTNAME	Yes / –	Last name of the primary traveller in the PNR.

Table №4

Profile data

It is possible to send some user information to the Amadeus booking engine, so that user won't need to fill his own info by himself. All parameters are listed in the table №5 below. In this table Required flag means «required for booking purposes». Connector will convey as much data as you can provide.

Parameter	Required / Default	Description
PROFILE_TYPE	Yes / –	Set this parameter to SINGLE to enable sending profile data
FIRST_NAME	Yes / –	First name of the passenger
LAST_NAME	Yes / –	Last name of the passenger
DATE_OF_BIRTH	Yes / –	Passenger's date of birth in format YYYYMMDD
INFANT_FIRST_NAME	Yes / –	First name of the passenger's infant
INFANT_LAST_NAME	No / Passenger Last Name	Last name of the passenger's infant. Please do not fill this field if infant has the same last name as passenger.
INFANT_DATE_OF_BIRTH	Yes / –	Date of birth of the passenger's infant YYYYMMDD. Infant's age must be less than two years old for the last trip date.
NATIONALITY	No / RU	Passenger's nationality
CONTACT_POINT_EMAIL	Yes / –	An email for sending electronic ticket, insurance, etc.
CONTACT_POINT_HOME_PHONE	Yes / –	Contact phone of passenger. Only numbers available and leading «+»
PREF_AIR_FREQ_NUMBER	No / –	Number of Uralairlines Frequent Flyer Card
PREF_AIR_SEAT	No / ST	Window / aisle seat preference. Possible values: SA = Aisle ST = No preference SW = Window
APIS Page		
IDENTITY_DOCUMENT_TYPE	No / P	Type of identity document. Value can be: P - Passenger passport IP - Passport card I - Identity card / Birth certificate
IDENTITY_DOCUMENT_ISSUING_COUNTRY	No / RU	The country code where the document was issued.
IDENTITY_DOCUMENT_NUMBER	Yes / –	The document number
IDENTITY_DOCUMENT_GENDER	Yes / –	Possible values: F Female M Male

IDENTITY_DOCUMENT_EXPIRY_DATE	Yes / –	The document expiry date (YYYYMMDD).
INFANT_IDENTITY_DOCUMENT_TYPE	No / I	Type of infant's identity document. Value can be: P - Passenger passport IP - Passport card I - Identity card / Birth certificate
INFANT_IDENTITY_DOCUMENT_ISSUING_COUNTRY	No / RU	The country code where the document was issued.
INFANT_IDENTITY_DOCUMENT_NUMBER	Yes / –	The document number
INFANT_IDENTITY_DOCUMENT_GENDER	Yes / –	Possible values: F Female M Male
INFANT_IDENTITY_DOCUMENT_EXPIRY_DATE	Yes / –	The document expiry date (YYYYMMDD).

Table №5

Example:

<https://uralairlines.ru/connector/book/?>

[B_DATE_1=20151011&B_DATE_2=20151022&B_LOCATION_1=MOW&E_LOCATION_1=SVX&LANGUAGE=EN&TRAVELLER_TYPE_1=ADT&HAS_INFANT_1=TRUE&TRIP_TYPE=R&DISPLAY_TYPE=1&PROFILE_TYPE=SINGLE&FIRST_NAME=Dorian&LAST_NAME=Gray&DATE_OF_BIRTH=19801107&INFANT_FIRST_NAME=Lina&INFANT_LAST_NAME=Novach&INFANT_DATE_OF_BIRTH=20130715&&CONTACT_POINT_EMAIL=support@e1.ru&CONTACT_POINT_HOME_PHONE=+79555341095&PREF_AIR_FREQ_NUMBER=1347431&PREF_AIR_SEAT=SW&IDENTITY_DOCUMENT_EXPIRY_DATE=20200712&IDENTITY_DOCUMENT_GENDER=M&IDENTITY_DOCUMENT_ISSUING_COUNTRY=UK&IDENTITY_DOCUMENT_NUMBER=256&IDENTITY_DOCUMENT_TYPE=IP&INFANT_IDENTITY_DOCUMENT_EXPIRY_DATE=20170413&INFANT_IDENTITY_DOCUMENT_GENDER=F&INFANT_IDENTITY_DOCUMENT_ISSUING_COUNTRY=UA&INFANT_IDENTITY_DOCUMENT_NUMBER=512&INFANT_IDENTITY_DOCUMENT_TYPE=I](https://uralairlines.ru/connector/book/?B_DATE_1=20151011&B_DATE_2=20151022&B_LOCATION_1=MOW&E_LOCATION_1=SVX&LANGUAGE=EN&TRAVELLER_TYPE_1=ADT&HAS_INFANT_1=TRUE&TRIP_TYPE=R&DISPLAY_TYPE=1&PROFILE_TYPE=SINGLE&FIRST_NAME=Dorian&LAST_NAME=Gray&DATE_OF_BIRTH=19801107&INFANT_FIRST_NAME=Lina&INFANT_LAST_NAME=Novach&INFANT_DATE_OF_BIRTH=20130715&&CONTACT_POINT_EMAIL=support@e1.ru&CONTACT_POINT_HOME_PHONE=+79555341095&PREF_AIR_FREQ_NUMBER=1347431&PREF_AIR_SEAT=SW&IDENTITY_DOCUMENT_EXPIRY_DATE=20200712&IDENTITY_DOCUMENT_GENDER=M&IDENTITY_DOCUMENT_ISSUING_COUNTRY=UK&IDENTITY_DOCUMENT_NUMBER=256&IDENTITY_DOCUMENT_TYPE=IP&INFANT_IDENTITY_DOCUMENT_EXPIRY_DATE=20170413&INFANT_IDENTITY_DOCUMENT_GENDER=F&INFANT_IDENTITY_DOCUMENT_ISSUING_COUNTRY=UA&INFANT_IDENTITY_DOCUMENT_NUMBER=512&INFANT_IDENTITY_DOCUMENT_TYPE=I)

Login&Token shortcut

If you have access to the session of personal cabinet (loyalty.uralairlines.ru) you can use it to reduce number of parameters. If you send user's login and token pair to the Connector and it will get profile data from personal cabinet and substitute it to the Amadeus booking engine. All parameters described below.

Parameter	Required / Default	Description
login	Yes / –	User identity. Currently FFP number only. For example 1001186253.
token	Yes / –	User session ID. UUID format.

Table №5.1

Example:

<https://uralairlines.ru/connector/book/?>

[B_DATE_1=20151011&B_DATE_2=20151022&B_LOCATION_1=MOW&E_LOCATION_1=SVX&LANGUAGE=EN&TRAVELLER_TYPE_1=ADT&HAS_INFANT_1=TRUE&TRIP_TYPE=R&DISPLAY_TYPE=1&token=e924553f-c4a1-4da0-a811-afec6b5f53b5&login=1186253](https://uralairlines.ru/connector/book/?B_DATE_1=20151011&B_DATE_2=20151022&B_LOCATION_1=MOW&E_LOCATION_1=SVX&LANGUAGE=EN&TRAVELLER_TYPE_1=ADT&HAS_INFANT_1=TRUE&TRIP_TYPE=R&DISPLAY_TYPE=1&token=e924553f-c4a1-4da0-a811-afec6b5f53b5&login=1186253)

Award Booking Flow

There is a possibility to buy a ticket for bonuses. For that purposes please use this URL:

<https://uralairlines.ru/connector/bookaward/>

You need to send parameters described in the section Booking page⁴ and also login and token pair.

Example:

<https://www.uralairlines.ru/connector/bookaward/?>

[B_DATE_1=20151212&B_LOCATION_1=SVX&E_LOCATION_1=MOW&TRAVELLER_TYPE_1=ADT&LANGUAGE=EN&TRIP_TYPE=O&DISPLAY_TYPE=1&token=e924553f-c4a1-4da0-a811-afec6b5f53b5&login=1186253](https://www.uralairlines.ru/connector/bookaward/?B_DATE_1=20151212&B_LOCATION_1=SVX&E_LOCATION_1=MOW&TRAVELLER_TYPE_1=ADT&LANGUAGE=EN&TRIP_TYPE=O&DISPLAY_TYPE=1&token=e924553f-c4a1-4da0-a811-afec6b5f53b5&login=1186253)

Asynchronous communication

All requests above also takes not required parameter ASYNC wich is used for XMLHttpRequests. If you set this parameter to JSON you will get all parameters which are required to send user to the Amadeus Booking Engine directly.

If all parameters have been set correctly then you will get parameters described in the table 6.

Parameter	Description	Example
url	Basic location of the current Amadeus Booking Engine. Please use this parameter with «Override.action» suffix.	https://booking.uralairlines.ru/plnext/uralairlines/
params	Parameters wich you need to send to the Amadeus Booking Engine.	{"ENCT": 1, "ENC": <huge_string>, "SITE": "BFGKBFGK", "LANGUAGE": "GB", "EMBEDDED_TRANSACTION": "FlexPricerAvailability"}
cookies	Array of objects. Described cookies wich is needed to set for current user.	
domain	Domain of the cookie. Please miss the cookie if you don't have possibility to set cookie for this domain.	.uralairlines.ru
age	Age of this cookie.	null
name	Name of this cookie	u6_request
value	Cookie value	0?from_iata=MOW&count-select=1&to_iata=SVX&count-aaa=1&way=two&date=11.10.2015&count-rbg=0&3day=1

Table №6

Otherwise you will error message in parameters described in the table 6.1.

Parameter	Description	Example
code	Numeric error code. For debug purposes only	1025
desc	Description of this error. In most cases can be send to the end user.	Departure IATA-code not found

Table №6.1

Example:

https://uralairlines.ru/connector/book/?B_DATE_1=20151011&B_DATE_2=20151022&B_LOCATION_1=MOW&E_LOCATION_1=SVX&LANGUAGE=EN&TRAVELLER_TYPE_1=ADT&HAS_INFANT_1=TRUE&TRIP_TYPE=R&DISPLAY_TYPE=1&ASYNC=JSON

Please note that this method isn't compartible with ENGINE parameter.

Test databases and acquiring

You can use the same request format described above to access test version of booking engine. All you need is send request to different URL:

	Production	Test
Booking	https://uralairlines.ru/connector/book/	https://uralairlines.ru/connector/book/acc/
Fare	https://uralairlines.ru/connector/fare/	https://uralairlines.ru/connector/fare/acc/
Retrieve	https://uralairlines.ru/connector/check/	https://uralairlines.ru/connector/check/acc/
Award Booking Flow	https://uralairlines.ru/connector/bookaward/	https://uralairlines.ru/connector/bookaward/acc/

In that case you will work in test database and in test site. There are two additional parameters which apply only for test booking engine. You can choose which test database you want to use. And also you can set external payment url — a page of acquiring bank.

Parameter	Required / Default	Description
DB	NO / PDT1	Amadeus Test Database. {PDT, UAT, SKL}
SO_SITE_EXT_PSPURL	NO / http://productinfo.e-travel.com/projects/ImplementationTools/IMPBank/impbank.php?mode	External Payment URL

Example:

<https://uralairlines.ru/connector/book/acc/?>

B_DATE_1=20151011&B_LOCATION_1=MOW&E_LOCATION_1=SVX&LANGUAGE=EN&TRAVELLER_TYPE_1=ADT&TRIP_TYPE=O&DB=UAT&SO_SITE_EXT_PSPURL=<http://payment.example.com>