# AGG Verify Access Guide

# ****demo****

* gateway validation : <https://github.com/Bee2857/cerberus-client-demo>
* github: <https://github.com/ctripFlightIntlAgg/verify-http-demo>

# ****Schema****

* refer to demo，in the module of contract

# ****Call format****

* JSON

# Operation

## ****bookingValidation****

Description：

BookingValidation (can be booked): It refers to verifying the number or price information of flight classes during the booking process to know whether the reservation can be made normally.  
The bookingValidation can be divided into asynchronous or synchronous request methods. Asynchronous calls are generally divided into two steps: the first step is to obtain a token, and the second step is to obtain the bookingValidation result based on the obtained token. This type of method is mostly applied to the requirements for real-time acquisition of results that are not too high, improving the customer browsing experience; The synchronous call only needs to be requested once, which means that the next step can only be performed after the result is obtained, and the real-time performance of the result is high.

### Sync Request

#### request

{

"RequestHeader": {

"SourceAppID": "100006319",

"TransactionID": "a1731567a496488393b9ee1051adbb0f", // Used to identify the transaction number, recommend to use UUID to generate, not more than 50 characters

"ChannelID": "CorpMobile",

"SubChannelID": 0,

"CustomerID": "\_SL2236667515",

"LoggingLevel": 0

},

"Sync": true, // flag of synchronize (Sync is set to true)

"SearchCriteriaToken": "KLUv\_QBQ6QIACwgBEJMkGMjlASCAwJP\_hS4MEwgBEAEYARQYASABKAkwAEMSGFNISFIvUEVIUi9DQUhSL1NaSFIvQ1RIUigAMAA4AEABSABQAIABAJABAKgBALgBAERIAFAAYNJG", // Must pass for the first time asynchronously, no need to pass the result

"RouteSearchToken": "8000000008H6009K00xs21800000000020000000000G005Pj510G0012OHgG00Dh08000NQSO8I8", // Must pass for the first time asynchronously, no need to pass the result

"VerifyPassengerList": [ // Passenger information

{

"TravelerCategoryCode": "ADT",

"PassengerCount": 1

}

],

"FinalRequest": false

}

#### response

{  
 "ResponseStatus": {  
 "Timestamp": "/Date(1581585423854+0800)/",  
 "Ack": "Success",  
 "Errors": [],  
 "Build": null,  
 "Version": null,  
 "Extension": []  
 },  
 "ResponseHeader": {  
 "SourceAppID": "100006319",  
 "TransactionID": "a1731567a496488393b9ee1051adbb0f",  
 "ChannelID": "CorpMobile",  
 "SubChannelID": 0,  
 "CustomerID": "\_SL2236667515",  
 "ClientIP": null,  
 "DiagInput": null,  
 "ServerIP": "10.5.89.148",  
 "ReturnCode": 0  
 },  
 "TokenNumber": "4648284f37ba423d",  
 "ResultStatus": "SUCCESS",  
 "ValidationResultList": [  
 {  
 "PriceUnitIndex": 0,  
 "TokenNumber": "4648284f37ba423d",  
 "RepricingInfo": {  
 "RepricingStatus": "SUCCESS",  
 "QteDetailInfoList": [  
 {  
 "TravelerCategoryCode": "ADT",  
 "PriceChanged": false,  
 "PaidPrice": {  
 "SalePrice": 885.0,  
 "Tax": 140.0,  
 "PublishPrice": 880.0,  
 "Currency": "CNY"  
 },  
 "BaggageList": null,  
 "PriceExtend": "{\"publishprice\":880.0,\"accountprice\":819.0,\"originalpublishprice\":880.0,\"originalaccountprice\":819.0,\"originalsaleprice\":885.0,\"originaltax\":140.0}"  
 }  
 ],  
 "ErrorResult": null  
 },  
 "BookabilityInfo": {  
 "BookabilityStatus": "FAIL",  
 "FlightInfoList": null,  
 "ErrorResult": {  
 "ErrorCode": 2,  
 "ErrorMessage": null  
 }  
 },  
 "ErrorResult": null  
 }  
 ],  
 "ErrorResult": null  
}

### Async Request

#### Request for obtaining token

{  
 "RequestHeader": {  
 "SourceAppID": "100018834",  
 "TransactionID": "0e7508aa6f484a46ab9888b8b8d96315", " ChannelID": "FlightIntlOnline",  
 "SubChannelID": 0,  
 "CustomerID": "AutoTest",  
 "ClientIP": "171.221.144.73",  
 "DiagInput": "AutoTest=true",  
 "LoggingLevel": 0  
 },  
 "Sync": false,

"SearchCriteriaToken": "KLUv\_QBQYQIACwgBEM2CAxjYxgMggKCnypEuDBMIARACGAEUEwgCEAEYAhQYAyABKAEwAEMoADABOABAAEgAUACAAQCQAQCoAQC4AQBESABQAGDSRg==", // Must pass for the first time asynchronously, no need to pass the result

"RouteSearchToken": "800000000iH4G06R0391ZH800000000020000000000100TGg510G000Z8HgG032Rm8002tfs6D25", // Must pass for the first time asynchronously, no need to pass the result

"VerifyPassengerList": [ // 乘客类型  
 {  
 "TravelerCategoryCode": "ADT",  
 "PassengerCount": 2  
 },  
 {  
 "TravelerCategoryCode": "CHD",  
 "PassengerCount": 1  
 }  
 ],  
 "FinalRequest": false // 是否是最后一次获取结果  
}

#### Response of obtaining token

{  
 "ResponseHeader": {  
 "SourceAppID": "100018834",  
 "TransactionID": "b4b66dc7-2b5a-470d-aa85-dee556fe990d",  
 "ChannelID": "Mobile",  
 "SubChannelID": 0,  
 "CustomerID": "AutoTest",  
 "ClientIP": "111.196.245.68",  
 "DiagInput": "AutoTest=true",  
 "ServerIP": "10.6.25.165",  
 "ReturnCode": 0  
 },  
 "TokenNumber": "62a6d4e86c5f442a", // 验舱验价Token，多PU的第一个 异步第一次返回只返回tokenNumber。  
 "ResultStatus": "IN\_PROCESS", // 异步第一次成功了就是返回处理中（几种状态：1成功，2失败，3拦截，4.处理中）  
 "ValidationResultList": [  
 {  
 "PriceUnitIndex": 0,  
 "TokenNumber": "62a6d4e86c5f442a",  
 "RepricingInfo": {  
 "RepricingStatus": "IN\_PROCESS",  
 "ErrorResult": {  
 "ErrorCode": -1,  
 "ErrorMessage": "IN\_PROCESS"  
 }  
 },  
 "BookabilityInfo": {  
 "BookabilityStatus": "IN\_PROCESS"  
 }  
 }  
 ]  
}

#### Request for obtaining results

{

    "RequestHeader": {

        "SourceAppID": "100018834",

        "TransactionID": "b3c3f5e7663d4230ac2ce1ece8e017fd",

        "ChannelID": "FlightIntlOnline",

        "SubChannelID": 0,

        "CustomerID": "M2649846944",

        "ClientIP": "183.210.169.122",

        "DiagInput": "AutoTest=true",

        "LoggingLevel": 0

    },

    "Sync": false,

    "TokenNumber": "62a6d4e86c5f442a",// pass the token which is got in last step

    "SearchCriteriaToken": "KLUv\_QBQIQIACwgBENTsAxiC5QQggJDnvPgtDBMIARABGAEUGAwgASgBMABDKAAwATgAQABIAFAAgAEAkAEAqAEAuAEAREgAUABg0kY=",

    "RouteSearchToken": "800000000iH2W08f03mo3X800000000080000000000101sjg510G001GGHgG00dMm8007Bns8E3D",

    "VerifyPassengerList": [

        {

            "TravelerCategoryCode": "ADT",

            "PassengerCount": 1

        }

    ],

 "FinalRequest": false

}

#### Response of obtaining results

{

    "ResponseHeader": {

        "SourceAppID": "100018834",

        "TransactionID": "b3c3f5e7663d4230ac2ce1ece8e017fd",

        "ChannelID": "FlightIntlOnline",

        "SubChannelID": 0,

        "CustomerID": "M2649846944",

        "ClientIP": "183.210.169.122",

        "DiagInput": "AutoTest=true",

        "ServerIP": "10.6.25.165",

        "ReturnCode": 0

    },

    "TokenNumber": "4575ca5ecda344fc",

"ResultStatus": "SUCCESS",

    "ValidationResultList": [

        {

            "PriceUnitIndex": 0,

            "TokenNumber": "4575ca5ecda344fc",

            "RepricingInfo": {

                "RepricingStatus": "SUCCESS",

                "QteDetailInfoList": [

                    {

                        "TravelerCategoryCode": "ADT",

                        "PriceChanged": false,

                        "PaidPrice": {

                            "SalePrice": 19450,

                            "Tax": 403,

                            "PublishPrice": 18460,

                            "Currency": "CNY"

                        }

                    }

                ]

            },

            "BookabilityInfo": {

                "BookabilityStatus": "SUCCESS",

                "FlightInfoList": [

                    {

                        "FlightNumber": "NH963",

                        "SeatCount": 9

                    }

                ]

            }

        }

    ]

}

## ****SimpleReservation****

SimpleReservation (reservation): Refers to the booking process in the booking process to know whether the order can be placed correctly.  
SimpleReservation can be divided into two asynchronous or synchronous request methods: asynchronous calls are generally divided into two steps: the first step is to get a token, and the second step is to get the booking result based on the obtained token. This type of method is mostly applied to the requirements for real-time acquisition of results that are not too high, improving the customer browsing experience; The synchronous call only needs to be requested once, which means that the next step can only be performed after the result is obtained, and the real-time performance of the result is high.

### ****Sync Request****

#### Request

{  
 "RequestHeader": {  
 "SourceAppID": "100015380",  
 "TransactionID": "9874e24d-a7eb-4d01-9ddb-0bcda5fea0e2",  
 "ChannelID": "EnglishSite",  
 "SubChannelID": 1,  
 "CustomerID": "M02742729",  
 "ClientIP": "10.2.240.246",  
 "DiagInput": "XInsurance=true;scene=IBU\_AvailValid;",  
 "LoggingLevel": 0  
 },  
 "Sync": true,  
 "OrderID": 31296740312,  
 "SearchCriteriaToken": "KLUv\_QBQaQIACwgBEJMkGNTsAyCAoJC3jC4MEwgBEAEYARQYAyABKAswAUMoADAAOABAAEgAUACAAQCQAQCoAQC4AQDLAQgAzAHSAQEyREgAUABg0kY=", // Must pass for the first time asynchronously, no need to pass the result  
 "RouteSearchToken": "8000000008H3004B05Opo18000000000200000000001001hq510G00128HgG00dMm8000GV9F825", // Must pass for the first time asynchronously, no need to pass the result  
 "PassengerList": [  
 {  
 "PassengerId": 1,  
 "TravelerCategoryCode": "ADT",  
 "BirthDay": "2013-01-01",  
 "Gender": "Male",  
 "NationalityCode": "US",  
 "IDCardList": [  
 {  
 "PriceUnitIndex": 0,  
 "PassengerCardId": 0,  
 "SurName": "TAO",  
 "GivenName": "ZHE",  
 "IDCardType": "PASSPORT",  
 "IDCardNo": "1365963",  
 "CardTimeLimit": "2021-04-14",  
 "IssuingCountry": "US"  
 }  
 ]  
 }  
 ],  
 "ContactInfo": {  
 "ContactName": "ZHAO ERTONG",  
 "MobilePhone": "18900006688",  
 "ContactEmail": "lnqiao@ctrip.com",  
 "MobilePhoneCountryCode": "86"  
 },  
 "ReservationSource": 0,  
 "PriceUnitList": [  
 {  
 "PriceUnitIndex": 0,  
 "PriceInfoList": [  
 {  
 "TravelerCategoryCode": "ADT",  
 "PaidPriceDetail": {  
 "Currency": "CNY",  
 "SalePrice": 276,  
 "Tax": 403,  
 "PublishPrice": 300,  
 "AccountPrice": 273,  
 "NetPrice": 272.29  
 },  
 "OriginalPriceDetail": {  
 "Currency": "CNY",  
 "SalePrice": 276,  
 "Tax": 403,  
 "PublishPrice": 300,  
 "AccountPrice": 273,  
 "NetPrice": 272.29  
 },  
 "TagList": [  
 {  
 "Key": "CommitionSource",  
 "Value": "1"  
 },  
 {  
 "Key": "qteCommand",  
 "Value": "ADT\*01LOWD/HO/PUBL"  
 }  
 ],  
 "QteCommand": "ADT\*01LOWD/HO/PUBL"  
 }  
 ],  
 "TagList": [  
 {  
 "Key": "SessionId",  
 "Value": "9874e24d-a7eb-4d01-9ddb-0bcda5fea0e2"  
 },  
 {  
 "Key": "CorpAgencyID",  
 "Value": "2873"  
 },  
 {  
 "Key": "CorpAgencyCode",  
 "Value": "QHEB"  
 }  
 ]  
 }  
 ],  
 "FinalRequest": false  
}

#### response

{  
 "ResponseStatus": {  
 "Timestamp": "/Date(1581596930225+0800)/",  
 "Ack": "Success",  
 "Errors": [],  
 "Build": null,  
 "Version": null,  
 "Extension": []  
 },  
 "ResponseHeader": {  
 "SourceAppID": "100015380",  
 "TransactionID": "9874e24d-a7eb-4d01-9ddb-0bcda5fea0e2",  
 "ChannelID": "EnglishSite",  
 "SubChannelID": 1,  
 "CustomerID": "M02742729",  
 "ClientIP": "10.2.240.246",  
 "DiagInput": "XInsurance=true;scene=IBU\_AvailValid;",  
 "ServerIP": "10.5.89.148",  
 "ReturnCode": 0  
 },  
 "TokenNumber": "90c6687651774884",  
 "ResultStatus": "SUCCESS",  
 "SimpleReservationResultList": [  
 {  
 "PriceUnitIndex": 0,  
 "TokenNumber": "90c6687651774884",  
 "ResultStatus": "SUCCESS",  
 "ReservationResult": {  
 "AirlineOrderID": "",  
 "RecordNo": "KV1C4W",  
 "OfficeNumber": "NGB207",  
 "ReservationFareList": null  
 },  
 "ErrorResult": null  
 }  
 ],  
 "ErrorResult": null  
}

### Async Request

#### Request for obtaining token

{

    "RequestHeader": {

        "SourceAppID": "100018834",

        "TransactionID": "62f3f169-570b-4590-8cd3-6d4815b63735", // 用来标识事务号，建议用UUID生成，不要超过50个字符

        "ChannelID": "Mobile",

        "SubChannelID": 0,

        "CustomerID": "AutoTest",

        "ClientIP": "2409:8954:30d0:1d5c:f189:86c1:b5c6:f523",

        "DiagInput": "AutoTest=true",

        "LoggingLevel": 0

    },

    "Sync": false,

    "OrderID": 11697607150,

    "SearchCriteriaToken": "KLUv\_QBQIQIACwgBEJONBhjTxAMggIDs6O4tDBMIARABGAEUGAMgASgDMABDKAEwATgPQABIAFAAgAEAkAEAqAEAuAEAREgAUABg0kY=", // Must pass for the first time asynchronously, no need to pass the result

    "RouteSearchToken": "8000000008H0W00A03oIJH800000000020000000000100LZJ510G0030OHgG008oW8001Imu9DQJ", // Must pass for the first time asynchronously, no need to pass the result

    "PassengerList": [

        {

            "PassengerId": 1,

            "TravelerCategoryCode": "ADT",

            "BirthDay": "1987-09-29",

            "Gender": "Female",

            "NationalityCode": "CN",

            "MobilePhone": "15677172039",

            "IDCardList": [

                {

                    "PriceUnitIndex": 0,

                    "PassengerCardId": 0,

                    "SurName": "ZHANG",

                    "GivenName": "HAILI",

                    "IDCardType": "PASSPORT",

                    "IDCardNo": "E26945896",

                    "CardTimeLimit": "2024-07-23",

                    "IssuingCountry": "CN"

                }

            ]

        }

    ],

    "ContactInfo": {

        "ContactName": "携程客户",

        "MobilePhone": "13823618236",

        "ContactEmail": "rockywu@szrockymountains.com"

    },

    "ReservationSource": 0,

    "PriceUnitList": [

        {

            "PriceUnitIndex": 0,

            "PriceInfoList": [

                {

                    "TravelerCategoryCode": "ADT",

                    "PaidPriceDetail": {

                        "Currency": "CNY",

                        "SalePrice": 3531,

                        "Tax": 90,

                        "PublishPrice": 3300,

                        "AccountPrice": 3300,

                        "NetPrice": 3300

                    },

                    "OriginalPriceDetail": {

                        "Currency": "CNY",

                        "SalePrice": 3531,

                        "Tax": 90,

                        "PublishPrice": 3300,

                        "AccountPrice": 3300,

                        "NetPrice": 3300

                    },

                    "TagList": [

                        {

                            "Key": "CommitionSource",

                            "Value": "2"

                        }

                    ]

                }

            ],

            "TagList": [

                {

                    "Key": "SessionId",

                    "Value": "62f3f169-570b-4590-8cd3-6d4815b63735"

                },

                {

                    "Key": "CorpAgencyID",

                    "Value": "2977"

                },

                {

                    "Key": "CorpAgencyCode",

                    "Value": "CXSZ"

                }

            ]

        }

    ],

    "FinalRequest": false

}

#### Response

{

    "ResponseHeader": {

        "SourceAppID": "100018834",

        "TransactionID": "62f3f169-570b-4590-8cd3-6d4815b63735",

        "ChannelID": "Mobile",

        "SubChannelID": 0,

        "CustomerID": "AutoTest",

        "ClientIP": "2409:8954:30d0:1d5c:f189:86c1:b5c6:f523",

        "DiagInput": "AutoTest=true",

        "ServerIP": "10.6.25.165",

        "ReturnCode": 0

    },

    "TokenNumber": "9dc968c057134b55",  tokenNumber

"ResultStatus": "IN\_PROCESS",

"SimpleReservationResultList": [

        {

            "PriceUnitIndex": 0,

            "TokenNumber": "9dc968c057134b55",

            "ResultStatus": "IN\_PROCESS",

            "ErrorResult": {

                "ErrorCode": -3,

                "ErrorMessage": "IN\_PROCESS"

            }

        }

    ]

}

#### Request for obtaining result

|  |
| --- |
| {  "RequestHeader": {  "SourceAppID": "100018834",  "TransactionID": "62f3f169-570b-4590-8cd3-6d4815b63735",  "ChannelID": "Mobile",  "SubChannelID": 0,  "CustomerID": "AutoTest",  "DiagInput": "AutoTest=true",  "LoggingLevel": 0  },  "Sync": false,  "TokenNumber": "9dc968c057134b55", //pass the token which is got in last step  "OrderID": 11697607150,  "PassengerList": [],  "ReservationSource": 0,  "FinalRequest": false  } |

#### Response of obtaining result

{

    "ResponseHeader": {

        "SourceAppID": "100018834",

        "TransactionID": "62f3f169-570b-4590-8cd3-6d4815b63735",

        "ChannelID": "Mobile",

        "SubChannelID": 0,

        "CustomerID": "AutoTest",

        "DiagInput": "AutoTest=true",

        "ServerIP": "10.6.25.165",

        "ReturnCode": 0

    },

    "TokenNumber": "9dc968c057134b55",

    "ResultStatus": "SUCCESS",

    "SimpleReservationResultList": [

        {

            "PriceUnitIndex": 0,

            "TokenNumber": "9dc968c057134b55",

            "ResultStatus": "SUCCESS",

            "ReservationResult": {

                "AirlineOrderID": "",

                "RecordNo": "HNS83D",

                "OfficeNumber": "SZX137"

            }

        }

    ]

}

# ****Notice****

1: If response contains`Agg search result is null`, it means that the query is an empty error. You don't need to query the results again, you should select other flights and try again.