

Car Search

Information related to Requests

Overview

WebAPI provide methods for querying information related to cars for particular location with help of **Search**

Method	Parameters	Returns
Search	SearchRequestModel	CarAvailRS
Search response contains search details (which includes detail related to location like pickup location id,pickup location name , dropoff location id, drop off location name , airport location or not , rental location) ,Response Status , success.		
List		CarAvailRS
Listing response contains SearchDetail, list of locations , list of available cars .		

Search Criteria used as an example:

Location : BOS - Boston Logan Intl. Airport, Massachusetts,United States

Pickup date:- 4/4/2017

Drop off date:- 4/10/2017

Note :- With every request has a request header associated with it. The request **header** contains the below mentioned parameters:-

```
{
    "BookingSource" : "0", //Application like STA, X-sell

    ***Note:- Please find below the value of booking sources used in the application
    • NONE = 0(Standalone)
    • CROSS_SELL = 1
    • XSELL_DEALS_ON_CONFIRMATION = 11
    • FLIGHT_HOME_WIDGET = 17

    "ClientIP" : "172.76.67.56", // Client IP Address
    "ConversationKey" : "6f07ae90-8d30-4c81-9263-bd83739e16d5", //Search Key
    "PortalID" : "92", // Portal ID
    "UID" : "4544" //Login UserID from Ops(if login)
}
```

Search Request and Response:-

Structure of Search Request model :-

- PickupLocationComponent //Pickup Location Component like Location ID
- ClientApplication //Client Application

- ClientSubApplication
- PickupDateTime //Pickup Date and Time
- PickupSearchLocationSourceType //PickUp SearchLocation SourceType
- PickupCountry //PickUp Country
- DropoffLocationComponent //Dropoff Location Component
- DropOffDateTime //DropOff DateTime
- DropOffSearchLocationSourceType // DropOff SearchLocation SourceType
- DropOffCountry //DropOff Country
- CarCompanyCode //Two character Car vendor Code
- CarType // Two character Car Type code
- Transmission //Transmission

***Note:- Please find below the value of transmission used in the application

- ANY = 0
- AUTOMATIC = 1
- MANUAL = 2

- AirConiditioning //Air Coniditioning

***Note:- Please find below the value of air conditioning used in the application

- ANY = 0,
- AIR_CONDITIONED = 1,
- NON_AIR_CONDITIONED = 2

- DiscountCouponCode // Discount CouponCode
- LandingPageTrackingCode //LandingPage TrackingCode
- TouchpointTrackingCode //Touchpoint TrackingCode
- AffiliateCode //AffiliateCode
- AffiliateSubCode //Affiliate SubCode
- UserID //UserID of logged in user
- Currency // Currency
- PortalID //Portal ID

Search Request:-

```
{
  "ClientApplication": "0", //Stand Alone
  "ClientSubApplication": null,
  "PickupLocationComponent": "35654",
  "PickupDateTime": "4/4/2017 10:00 am",
  "PickUpSearchLocationSourceType": "HOTEL_LOCATIONS",
  "PickUpCountry": null,
  "DropoffLocationComponent": "35654",
  "DropOffDateTime": "4/10/2017 10:00 am",
  "DropOffSearchLocationSourceType": "HOTEL_LOCATIONS",
  "DropOffCountry": null,
  "CarCompanyCode": "Default",
  "CarType": "Default",
  "Transmission": "ANY",
  "AirConiditioning": "ANY",
  "DiscountCouponCode": null,
  "LandingPageTrackingCode": null,
  "TouchpointTrackingCode": null,
  "AffiliateCode": null,
}
```

```

    "AffiliateSubCode": null,
    "UserID": "0",
    "ClientServerName": null,
    "MiddleLayerServerName": null,
    "EnableLogsThroughCookie": false,
    "Currency": null,
    "DriverAge": 30,
    "DriverCountry": "US",
    "PickUpLocationType": "Airport",
    "DropOffLocationType": "Airport"
}

```

Structure of CarAvailRS:-

- SearchDetail
 - ❑ PickUpLocationCode // Search Pickup Location Code
 - ❑ PickUpLocationName // Search Pickup Location Name
 - ❑ DropOffLocationCode // Search drop off Location Code
 - ❑ DropOffLocationName // Search Drop off Location Name
 - ❑ DateTime PickupDateTime // Pickup Date and Time
 - ❑ DropOffDateTime // Dropoff Date and Time
 - ❑ RentalDays // Rental Days (//Class Days and H ours)
 - ❑ RequestedPickUpDateTime // Requested Pickup Date and Time
 - ❑ RequestedDropOffDateTime // Requested Dropoff Date and Time
 - ❑ IsAirportLocation // Check searched location is airport or non-airport
 - ❑ PickUpState // PickUp State Details
 - ❑ DropOffState // DropOff State Details
 - ❑ PickUpCountry // PickUp State Country Details
 - ❑ DropOffCountry // DropOff State Country Details
 - ❑ FPCulture // Culture Information
 - ❑ IsPickUpAndDropOffSame // Check whether pickup & drop off location are same or not
 - ❑ ConversionRate
 - ❑ CarImagePath
 - ❑ Locations //List of Locations
 - ❑ CarAvails //List of Available Cars

- Car Avail
 - CarID // Car ID
 - SimilarNetOrPublishedCarID // Car ID of similar net or published car
 - DailyRateOfSimilarNetOrPublishedCar // Daily rate of similar net or published car
 - EstimatedTotalOfSimilarNetOrPublishedCar // Estimated Total amount of similar net or published car
 - DiscountAmountOfSimilarNetOrPublishedCar
 - DTIsland.CarVendorDeskLocationType CarVendorDeskLocationType
 - PickUpLocationID // Location id
 - DropOffLocationID // Location id
 - RentalDays / // Rental date time info
 - CompanyDetails // Company details
 - CarType // Car Type details
 - RateDetailsInRequestedCurrency // Rate details in Requested Currency
 - RateDetailsInSupplierCurrency // Rate details in Supplier Currency
 - Mileage
 - DealMessageId // Car Deal Message Id
 - ISNetOrPublish
 - IsNetCar // Car Deal Message
 - DealMessage

- CancellationPolicy /// Cancellation Policy
- Engine /// Engine name

***Please find below the values of engines used in the application:-

- NONE = 0,
- SABRE = 1
- SABREJCB = 6
- AMADEUS = 9
- AMADEUSJCB = 10
- TOURICO = 11
- AUTOEUROPE = 13
- CARTRAWLER = 16
- VANGUARD_CAR = 73
- ENTERPRISE_CAR = 74
- PEGASUS = 102
- MOZIO = 112
- RENTAL_CARS = 113

- CarPrePaidType /// Car Pre-Paid Type

*** Please find below the list of values used for car prepaid type in the application :-

- NONE = 0
- PARTIALLY_PREPAID = 1
- FULL_PREPAID = 2
- NOT_SPECIFIED = 3,
- GUARANTEE_REQUIRED = 4

- IsInclusive /// Are Rate Inclusive
- DiscountCoupon /// In House User details
- ExtendedCarDetail /// Discount Amount
- DiscountAmount /// Savings on the car
- Savings /// Service Fee
- ServiceFee /// Whether to display dropoff location
- DisplayDropOffLocationDetails /// To check whther free cancellation is available or not
- IsFreeCancellation /// Messages
- IsEligibleForPayNowAndPayLater ///List of Special Deals
- Messages
- SpecialDealModel
- SearchStatus ///List of default car type
 - Status
 - NumberOfCars
 - SearchStatus
- CarTypesDetails

Search Response:-

{

```
"SearchDetail": {
  "PickUpLocationCode": "35654",
  "PickUpLocationName": "BOS - Boston Logan Intl. Airport, Massachusetts, United States",
  "DropOffLocationCode": "35654",
  "DropOffLocationName": "BOS - Boston Logan Intl. Airport, Massachusetts, United States",
  "PickUpDateTime": "2017-04-04T10:00:00",
  "DropOffDateTime": "2017-04-10T10:00:00",
  "RentalDays": 6,
  "RequestedPickUpDateTime": "0001-01-01T00:00:00",
  "RequestedDropOffDateTime": "0001-01-01T00:00:00",
```

```

    "IsAirportLocation": true,
    "PickUpState": {
      "Code": "MA",
      "Name": "Massachusetts"
    },
    "DropOffState": {
      "Code": "MA",
      "Name": "Massachusetts"
    },
    "PickUpCountry": {
      "Code": "MA",
      "Name": "Massachusetts"
    },
    "DropOffCountry": {
      "Code": "MA",
      "Name": "Massachusetts"
    },
    "FPCulture": {
      "CultureCode": "en-US",
      "FPCultureInfo": "en-US",
      "fpDateTimeFormat": {
        "DateTimeFormatString": "MM/dd/yyyy",
        "LongDayDateFormatString": "dddd, MMM dd, yyyy",
        "ShortDayDateFormatString": "ddd. MMM-dd-yyyy",
        "ShortDayDateFormatStringCommaSeparated": "ddd, MMM dd, yyyy",
        "MonthDayFormatString": "MMM dd, ddd",
        "StartDayOfWeek": 0
      },
      "CultureCountry": "US",
      "ImagePath": "Portals/92/Images"
    },
    "IsPickUpAndDropOffSame": true,
    "ConversionRate": 0,
    "CarImagePath": "//c.fareportal.com/n/portals/92/images/car"
  },
  "Locations": null,
  "CarAvails": null,
  "Messages": null,
  "Policies": null,
  "SpecialDealModel": null,
  "SearchStatus": null,
  "CarTypesDetails": null,
  "InsuranceRateForOneDay": null,
  "Success": {
    "TimeStamp": "2016-12-26T16:00:00.5920928+05:30" /// In success we return timestamp
  },
  "Errors": [],
  "Warnings": null,
  "ServerName": "INCGFFPTEC25W",
  "SearchID": "6ab89b1b-9167-482a-8903-d83f40fdca8b", ///Every search has a unique search id
and on the basis of that we will do further conversation

  "RequestCommand": "Start Search",
  "ResponseStatus": "Success",
  "FailureReason": "None"
}

```

***** Listing response class will be same as search response class please refer above mentioned searched response class.

Listing Response:-

```
{
  "SearchDetail": {
    "PickUpLocationCode": "35654",
    "PickUpLocationName": "BOS - Boston Logan Intl. Airport, Massachusetts, United States",
    "DropOffLocationCode": "35654",
    "DropOffLocationName": "BOS - Boston Logan Intl. Airport, Massachusetts, United States",
    "PickUpDateTime": "2017-04-04T10:00:00",
    "DropOffDateTime": "2017-04-10T10:00:00",
    "RentalDays": 6,
    "RequestedPickUpDateTime": "0001-01-01T00:00:00",
    "RequestedDropOffDateTime": "0001-01-01T00:00:00",
    "IsAirportLocation": true,
    "PickUpState": {
      "Code": "MA",
      "Name": "Massachusetts"
    },
    "DropOffState": {
      "Code": "MA",
      "Name": "Massachusetts"
    },
    "PickUpCountry": {
      "Code": "MA",
      "Name": "Massachusetts"
    },
    "DropOffCountry": {
      "Code": "MA",
      "Name": "Massachusetts"
    },
    "FPCulture": {
      "CultureCode": "en-US",
      "FPCultureInfo": "en-US",
      "fpDateTimeFormat": {
        "DateTimeFormatString": "MM/dd/yyyy",
        "LongDayDateFormatString": "dddd, MMM dd, yyyy",
        "ShortDayDateFormatString": "ddd. MMM-dd-yyyy",
        "ShortDayDateFormatStringCommaSeparated": "ddd, MMM dd, yyyy",
        "MonthDayFormatString": "MMM dd, ddd",
        "StartDayOfWeek": 0
      },
      "CultureCountry": "US",
      "ImagePath": "Portals/92/Images"
    },
    "IsPickUpAndDropOffSame": true,
    "ConversionRate": 0,
    "CarImagePath": "//c.fareportal.com/n/portals/92/images/car"
```

```
},  
"Locations": [  
  {
```

```
    "LocationID": null,  
    "LocationCode": "BOST71",  
    "LocationName": "Boston Logan Intl Arpt",  
    "LocationType": "AIRPORT",
```

**** Please find below the values of location type used in the application :-

- NONE = 0,
- ON_AIRPORT_AIRPORT_SHUTTLE = 65,
- CALL_FOR_SHUTTLE = 67,
- NO_SHUTTLE = 69,
- IN_TERMINAL = 73,
- MULTIPLE_SHUTTLES_NEEDED = 76,
- TWO_SHUTTLES_AIRPORT_AND_RENTAL = 77,
- NON_AIRPORT_LOCATION = 78,
- OFF_AIRPORT_RENTAL_SHUTTLE = 79,
- AT_AIRPORT = 80,
- IN_TERMINAL_RENTAL_SHUTTLE = 82,
- ON_AIRPORT_RENTAL_SHUTTLE = 83,
- CAR_RENTAL_SHUTTLE = 84

```
    "Address": {  
      "AddressLine1": "6 Tomahawk Dr",  
      "AddressLine2": "",  
      "CityName": "East Boston",  
      "State": null,  
      "Country": {  
        "Code": "US",  
        "Name": "United States"  
      },  
      "ZipOrPostalCode": null
```

```
    },  
    "Latitude": "42.369311",  
    "Longitude": "-71.029093",  
    "Distance": null,  
    "DistanceUnit": null,  
    "IsAirportLocation": true,  
    "SearchLocationSourceType": 0,  
    "LocID": "BOST71_BOS_AL_74",  
    "IsLatLongAuthenticated": false
```

```
  }  
],  
"CarAvails": [  
  {
```

```
    "CarID": "1",  
    "SimilarNetOrPublishedCarID": null,  
    "DailyRateOfSimilarNetOrPublishedCar": 0,  
    "EstimatedTotalOfSimilarNetOrPublishedCar": 0,  
    "DiscountAmountOfSimilarNetOrPublishedCar": null,  
    "CarVendorDeskLocationType": 80,  
    "PickUpLocationID": "BOST71_BOS_AL_74",  
    "DropOffLocationID": "BOST71_BOS_AL_74",  
    "RentalDays": {  
      "Day": 6  
    },  
    "CompanyDetails": {  
      "Code": "AL",  
      "Name": "ALAMO",  
      "PhoneNumber": "8888266893",  
      "FaxNumber": "",
```

```
    "EmergencyPhoneNumber": "",
    "Image": "//c.fareportal.com/fp4/i/C/CarAL_63x35.gif",
    "Verbiage": null,
    "OpaqueCarCompanies": null,
    "IsOpaqueCar": false,
    "CarCommonImagePath": "//c.fareportal.com/fp4/i/C",
    "RentalDeskLocation": "Airport"
  },
  "CarType": {
    "Code": "CCAR",
    "Name": "NISSAN VERSA OR SIMILAR",
    "TypeName": "Compact",
    "Transmission": 1,
    "TransmissionDescription": "Automatic",
    "AirConditioning": 1,
    "AirConditioningDescription": "Air Conditioned",
    "FuelType": "",
    "DriveType": "",
    "IsGreenCar": false,
    "AllowedPassengerCapacity": "5",
    "MaxPassengerCapacity": "5",
    "LargeLuggageCapacity": "1",
    "SmallLuggageCapacity": "",
    "NumberOfDoors": "",
    "ImageURL":
    "https://assets.alamo.com/alamoData/vehicle/bookingCountries/US/CARS/CCAR.doi.320.high.imageLargeT
hreeQuarterNodePath.png/1478716897450.png",
    "AllowedLuggageCapacity": "1",
    "DisplayCarType": "CC"
  },
  "RateDetailsInRequestedCurrency": {
    "CarRate": 200.25,
    "RatePlan": "per day",
    "Mileage": {
      "Allowance": "",
      "CurrencyCode": "USD",
      "ExtraMileageCharge": 0,
      "UnitOfMeasure": ""
    },
    "ExtraHourRate": null,
    "ExtraHourMileage": "N/A",
    "ExtraDayRate": null,
    "ExtraDayMileage": "N/A",
    "TaxesAndFee": 102.979996,
    "SupplierTotal": 303.23,
    "CurrencyCode": "USD",
    "DropOffCharges": null,
    "AmountToBePaidOnBooking": 15,
    "AmountToBePaidOnRentalDesk": 102.98,
    "TotalInsurance": null,
    "TransactionFee": 15,
    "CarRateToDisplay": null,
    "RentalPeriod": 200.250015,
    "AdditionalRate": null,
    "CarPrice": {
      "CarRateToDisplay": 33.375,
      "CarRatePlanToDisplay": null
    }
  },
  "RateDetailsInSupplierCurrency": null,
```



```
"Mileage": {
    "Allowance": "UNL",
    "CurrencyCode": null,
    "ExtraMileageCharge": 0,
    "UnitOfMeasure": "Miles"
},
"DealMessageId": null,
"ISNetOrPublish": "Published",
"IsNetCar": false,
"DealMessage": null,
"CancellationPolicy": "",
"Engine": "ENTERPRISE_CAR",
"IsDeleted": false,
"CarPrePaidType": 0,
"IsInclusive": false,
"DiscountCoupon": {
    "CouponCode": null,
    "TotalDiscount": 0,
    "SpecialDealDiscount": "",
    "CorporateDiscountCode": "T00149W",
    "PromoCode": null
},
"ExtendedCarDetail": null,
"DiscountAmount": null,
"Savings": null,
"ServiceFee": 15,
"DisplayDropOffLocationDetails": false,
"IsFreeCancellation": false,
"IsEligibleForPayNowAndPayLater": false
},
    "CarRateToDisplay": 62,
    "CarRatePlanToDisplay": null
}
},
"RateDetailsInSupplierCurrency": null,
"Mileage": {
    "Allowance": "UNL",
    "CurrencyCode": null,
    "ExtraMileageCharge": 0,
    "UnitOfMeasure": "Miles"
},
"DealMessageId": null,
"ISNetOrPublish": "Published",
"IsNetCar": false,
"DealMessage": null,
"CancellationPolicy": "",
"Engine": "SABRE",
"IsDeleted": false,
"CarPrePaidType": 0,
"IsInclusive": false,
"DiscountCoupon": {
    "CouponCode": null,
    "TotalDiscount": 0,
    "SpecialDealDiscount": "",
    "CorporateDiscountCode": "",
    "PromoCode": null
},
"ExtendedCarDetail": null,
"DiscountAmount": null,
"Savings": null,
```

```
"ServiceFee": 15,  
"DisplayDropOffLocationDetails": false,  
"IsFreeCancellation": false,  
"IsEligibleForPayNowAndPayLater": false
```

```
}
```

```
}
```