

**Cabmate**

**Internet Booking System (IBSCab)**

**Web Service**

**Developer Documentation**

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# Table of contents

[1 Table of contents 3](#_Toc435030078)

[2 Introduction 6](#_Toc435030079)

[3 IBS Functionality 7](#_Toc435030080)

[3.1 IStaticData 8](#_Toc435030081)

[3.1.1 Methods list 8](#_Toc435030082)

[3.1.2 CheckServiceStatus 9](#_Toc435030083)

[3.1.3 GetChargeTypes 10](#_Toc435030084)

[3.1.4 GetCompanyZoneByGPS 11](#_Toc435030085)

[3.1.5 GetProviders 12](#_Toc435030086)

[3.1.6 GetVehicleTypes 13](#_Toc435030087)

[3.1.7 GetVersion 14](#_Toc435030088)

[3.1.8 GetZoneByGPS 15](#_Toc435030089)

[3.2 IWebAccount3 16](#_Toc435030090)

[3.2.1 Methods list 16](#_Toc435030091)

[3.2.2 SaveAccount3 17](#_Toc435030092)

[3.3 IWEBOrder\_7 interface 18](#_Toc435030093)

[3.3.1 CancelBookOrder\_2 19](#_Toc435030094)

[3.3.2 EstimateDistance 21](#_Toc435030095)

[3.3.3 EstimateFare\_9 23](#_Toc435030096)

[3.3.4 GetAvailableVehicles\_4 25](#_Toc435030097)

[3.3.5 GetBookOrder\_7 27](#_Toc435030098)

[3.3.6 GetDriverLocation 29](#_Toc435030099)

[3.3.7 GetOrdersStatus\_4 30](#_Toc435030100)

[3.3.8 GetOrderStatus\_2 31](#_Toc435030101)

[3.3.9 GetVehicleCandidates 33](#_Toc435030102)

[3.3.10 GetVehicleLocation 34](#_Toc435030103)

[3.3.11 RideCurrentFare 35](#_Toc435030104)

[3.3.12 SaveBookOrder\_12 37](#_Toc435030105)

[3.3.13 SaveExtrPayment 38](#_Toc435030106)

[3.3.14 SaveExtrPayment\_2 39](#_Toc435030107)

[3.3.15 SendDriverMsg 42](#_Toc435030108)

[3.3.16 SendP2DCall 43](#_Toc435030109)

[3.3.17 UpdateJobPaymentType 44](#_Toc435030110)

[3.3.18 UpdateJobToVehicle 45](#_Toc435030111)

[4 Sample Data Flows 46](#_Toc435030112)

[4.1 Standard Trip booking via credit card: 47](#_Toc435030113)

[4.2 Standard Account Creation 49](#_Toc435030114)

[4.3 Standard Trip booking via Account 50](#_Toc435030115)

[5 Used types 51](#_Toc435030116)

[5.1.1 Sample types 51](#_Toc435030117)

[5.2 Ordinal types 52](#_Toc435030118)

[5.2.1 TAccountType 52](#_Toc435030119)

[5.2.2 TCCTransResult 52](#_Toc435030120)

[5.2.3 TRptFormat 52](#_Toc435030121)

[5.2.4 TWEBAccountStatus 52](#_Toc435030122)

[5.2.5 TWEBOrderStatusValue 52](#_Toc435030123)

[5.3 Structured and array types 54](#_Toc435030124)

[5.3.1 TAccountItem 54](#_Toc435030125)

[5.3.2 TAirportItem 54](#_Toc435030126)

[5.3.3 TAirportArray 54](#_Toc435030127)

[5.3.4 TAirlineItem 54](#_Toc435030128)

[5.3.5 TAirlineArray 54](#_Toc435030129)

[5.3.6 TBannedZone 54](#_Toc435030130)

[5.3.7 TBannedZoneArray 54](#_Toc435030131)

[5.3.8 TBookAccount 55](#_Toc435030132)

[5.3.9 TBookAccount2 55](#_Toc435030133)

[5.3.10 TBookAccount3 56](#_Toc435030134)

[5.3.11 TBookOrder 57](#_Toc435030135)

[5.3.12 TBookOrder\_2 59](#_Toc435030136)

[5.3.13 TBookOrder\_3 59](#_Toc435030137)

[5.3.14 TBookOrder\_4 60](#_Toc435030138)

[5.3.15 TBookOrder\_5 60](#_Toc435030139)

[5.3.16 TBookOrder\_6 60](#_Toc435030140)

[5.3.17 TBookOrder\_7 61](#_Toc435030141)

[5.3.18 TBookOrder\_8 61](#_Toc435030142)

[5.3.19 TBookOrder\_10 61](#_Toc435030143)

[5.3.1 TBookOrder\_11 61](#_Toc435030144)

[5.3.1 TBookOrder\_12 61](#_Toc435030145)

[5.3.2 TBookOrderList\_3 62](#_Toc435030146)

[5.3.3 TBookOrderList\_4 62](#_Toc435030147)

[5.3.4 TBookOrderList\_5 62](#_Toc435030148)

[5.3.5 TBookOrderList\_6 62](#_Toc435030149)

[5.3.6 TBookOrderList\_7 62](#_Toc435030150)

[5.3.7 TBookOrderList\_8 62](#_Toc435030151)

[5.3.8 TBookOrderKey 63](#_Toc435030152)

[5.3.9 TChargeTypeItem 63](#_Toc435030153)

[5.3.10 TChargeTypeArray 63](#_Toc435030154)

[5.3.11 TCityItem 63](#_Toc435030155)

[5.3.12 TCityArray 63](#_Toc435030156)

[5.3.13 TDriverType 63](#_Toc435030157)

[5.3.14 TDriverTypeArray 63](#_Toc435030158)

[5.3.15 TException 63](#_Toc435030159)

[5.3.16 TExceptionsArray 63](#_Toc435030160)

[5.3.17 TExceptionItem 64](#_Toc435030161)

[5.3.18 TExceptionArray 64](#_Toc435030162)

[5.3.19 TFavoriteAddressesArray 64](#_Toc435030163)

[5.3.20 TFlatRatePlaceItem 64](#_Toc435030164)

[5.3.21 TFlatRatePlaceArray 64](#_Toc435030165)

[5.3.22 TFlatRateValue 64](#_Toc435030166)

[5.3.23 TOrderIDList 64](#_Toc435030167)

[5.3.24 TOrderList\_3 64](#_Toc435030168)

[5.3.25 TOrderList\_4 64](#_Toc435030169)

[5.3.26 TOrderList\_5 64](#_Toc435030170)

[5.3.27 TOrderList\_6 64](#_Toc435030171)

[5.3.28 TOrderList\_7 64](#_Toc435030172)

[5.3.29 TOrderList\_8 64](#_Toc435030173)

[5.3.30 TOrderStatus 65](#_Toc435030174)

[5.3.31 TOrderStatus\_2 65](#_Toc435030175)

[5.3.32 TOrderStatus\_3 65](#_Toc435030176)

[5.3.33 TOrderStatus\_4 65](#_Toc435030177)

[5.3.34 TOrderStatusList 66](#_Toc435030178)

[5.3.35 TOrderStatusList\_2 66](#_Toc435030179)

[5.3.36 TOrderStatusList\_3 66](#_Toc435030180)

[5.3.37 TOrderStatusList\_4 66](#_Toc435030181)

[5.3.38 TPaymentAuthorization3dParty 66](#_Toc435030182)

[5.3.39 TProviderItem 67](#_Toc435030183)

[5.3.40 TProviderArray 67](#_Toc435030184)

[5.3.41 TRun 67](#_Toc435030185)

[5.3.42 TSetupIBS not completed 67](#_Toc435030186)

[5.3.43 TVehicleCompType 68](#_Toc435030187)

[5.3.44 TVehicleComp 69](#_Toc435030188)

[5.3.45 TVehicleCompArray 69](#_Toc435030189)

[5.3.46 TVehiclePosition 69](#_Toc435030190)

[5.3.47 TVehiclePositionArray 69](#_Toc435030191)

[5.3.48 TVehiclePosition\_2 69](#_Toc435030192)

[5.3.49 TVehiclePositionArray\_2 69](#_Toc435030193)

[5.3.50 TVehiclePosition\_3 69](#_Toc435030194)

[5.3.51 TVehiclePositionArray\_3 69](#_Toc435030195)

[5.3.52 TVehiclePosition\_4 70](#_Toc435030196)

[5.3.53 TVehiclePositionArray\_4 70](#_Toc435030197)

[5.3.54 TVehicleTypeItem 70](#_Toc435030198)

[5.3.55 TVehicleTypeArray 70](#_Toc435030199)

[5.3.56 TWEBAddress 70](#_Toc435030200)

[5.3.57 TWebDriver 70](#_Toc435030201)

[5.3.58 TWebDriver\_2 71](#_Toc435030202)

[5.3.59 TWebDriverList 71](#_Toc435030203)

[5.3.60 TWebDriverList\_2 71](#_Toc435030204)

[5.3.61 TWEBFavotiteAddress 71](#_Toc435030205)

[5.3.62 TWebReport 71](#_Toc435030206)

[5.3.63 TWEBTimeStamp 72](#_Toc435030207)

[5.3.64 TWebVehicle 72](#_Toc435030208)

[5.3.65 TZoneNameArray 72](#_Toc435030209)

[6 Common parameters 73](#_Toc435030210)

[6.1.1 Login 73](#_Toc435030211)

[6.1.2 Password 73](#_Toc435030212)

[6.1.3 CompanyID 73](#_Toc435030213)

[7 Appendix A: IBS Error Codes 74](#_Toc435030214)

# Introduction

Welcome to the Mobile Knowledge Systems Inc’s IBS (Internet Booking Service) Web Services Developer Document. This section includes all documentation and guides to develop IBS client applications. This document presents information on all versions of IBS

IBS is a web service that presents a SOAP interface to the internet for use by 3rd party web applications. Using this interface, client application can create/modify user account and book or modify a trip through XDS host system via the web interface.

# IBS Functionality

The IBS functionality is implemented as a Web Service application. These are web interfaces implemented in IBS:

|  |  |
| --- | --- |
| **Interface** | **Description** |
| [IStaticData](#_IStaticData) | Provide access to “static” data (this data does not get changed very frequently, e.g. Vehicle types, pickup cities, drop-off cities)  These data loaded at startup and gets from memory for quick access. |
| [IWebAccount](#_IWebAccount) | Provide access to user account information: creating new accounts, modify existing, setting user favorite addresses for accounts, etc.  Interfaces are inheritable (backwards compatible) |
| [IWEBOrder](#_IWEBOrder) | Provide access to trip information. For example: creating a new trip, modifying an existing trip, canceling a trip, etc.  Interfaces are inheritable (backwards compatible) |

## IStaticData

This interface returns static data; static data is data that will not change during live operation of IBS. These methods uses data loaded at moment of the IBS startup. To refresh the static data IBS (IIS) need to be restarted. If an interface method does not find any result (or is unsuccessful in the attempt) - a return code of –1 will be returned to the initiating interface.

### Methods list

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Return** | **Description** | **Version** |
| [CheckServiceStatus](#_CheckServiceStatus) | String | Not implemented yet | All |
| [GetChargeTypes](#_GetChargeTypes) | [TChargeTypeArray](#_TChargeTypeArray) | Return the list of payment types | All |
| [GetCompanyZoneByGPS](#_GetCompanyZoneByGPS) | String | Return zone name for specific company/fleet by GPS coordinates | All |
| [GetProviders](#_GetProviders_1) | [TProviderArray](#_TProviderArray) | Return the list of providers | All |
| [GetVehicleTypes](#_TSetupIBS) | [TVehicleTypeArray](#_TVehicleTypeArray) | Return the list of vehicle types | All |
| [GetVersion](#_GetVersion) | String | Return IBS version data | All |
| [GetZoneByGPS](#_GetZoneByGPS) | String | Return zone name by GPS coordinates for default company | All |

### CheckServiceStatus

#### Method signature

function CheckServiceStatus(

[Login](#_Login_1): string,

[Password](#_Password): string

): string;

#### Other parameters

None

#### Return value

Returns ??

#### Remarks

Returns current sevice status

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<CheckServiceStatus xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

</CheckServiceStatus>

</Body>

</Envelope>

#### Requirements

Interface: [IStaticData](#_IStaticData)

DLL version:All

### GetChargeTypes

#### Method signature

function GetChargeTypes (

[Login](#_Login_1): string,

[Password](#_Password): string,

[CompanyID](#_CompanyID): integer,

): [TChargeTypeArray](#_TChargeTypeArray);

#### Other parameters

None

#### Return value

Returns the list of payment types

#### Remarks

Returns empty set if data not found

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<GetChargeTypes xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<CompanyID>[int]</CompanyID>

</GetChargeTypes>

</Body>

</Envelope>

#### Requirements

Interface: [IStaticData](#_IStaticData)

DLL version: All

### GetCompanyZoneByGPS

#### Method signature

function GetCompanyZoneByGPS(

[Login](#_Login_1): string,

[Password](#_Password): string,

[CompanyID](#_CompanyID): integer,

Lat: double

Lon: double

): string;

#### Other parameters

Lon/Lat – GPS coordinates of location

#### Return value

Returns value is a zone name. If zone isn’t found, the empty string will be returned

#### Remarks

None

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<GetCompanyZoneByGPS xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<ACompanyID>[int]</ACompanyID>

<Lat>[double]</Lat>

<Lon>[double]</Lon>

</GetCompanyZoneByGPS>

</Body>

</Envelope>

#### Requirements

Interface: [IStaticData](#_IStaticData)

DLL version: All

### GetProviders

#### Method signature

function GetProviders(

[Login](#_Login_1): string,

[Password](#_Password): string

): [TProviderArray](#_TProviderArray);

#### Other parameters

None

#### Return value

Returns the list of providers (taxi companies)

#### Remarks

None

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<GetProviders xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

</GetProviders>

</Body>

</Envelope>

#### Requirements

Interface: [IStaticData](#_IStaticData)

DLL version: All

### GetVehicleTypes

#### Method signature

function GetVehicleTypes(

[Login](#_Login_1): string,

[Password](#_Password): string,

[CompanyID](#_CompanyID): integer,

): [TVehicleTypeArray](#_TVehicleTypeArray);

#### Other parameters

None

#### Return value

Returns the list of available vehicle types

#### Remarks

None.

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<GetVehicleTypes xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<CompanyID>[int]</CompanyID>

</GetVehicleTypes>

</Body>

</Envelope>

#### Requirements

Interface: [IStaticData](#_IStaticData)

DLL version: All

### GetVersion

#### Method signature

function GetVersion(

): string;

#### Other parameters

None

#### Return value

Returns text data about DB and DLL version. The format can be changed in new versions

#### Remarks

None.

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<GetVersion xmlns="http://tempuri.org/"/>

</Body>

</Envelope>

#### Requirements

Interface: [IStaticData](#_IStaticData)

DLL version: b25 and above

### GetZoneByGPS

#### Method signature

function GetZoneByGPS(

[Login](#_Login_1): string,

[Password](#_Password): string,

Lat, Lon: double

): string;

#### Other parameters

Lon/Lat – location coordinates

#### Return value

Returns value is a zone name. If zone isn’t found, the empty string will be returned

#### Remarks

Deprecated. Use [GetCompanyZoneByGPS](#_GetCompanyZoneByGPS) with default provider.

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<GetZoneByGPS xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<Lat>[double]</Lat>

<Lon>[double]</Lon>

</GetZoneByGPS>

</Body>

</Envelope>

#### Requirements

Interface: [IStaticData](#_IStaticData)

DLL version: All

## IWebAccount3

Provide access to user account information.

### Methods list

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Return** | **Description** | **Version** |
| [SaveAccount3](#_SaveAccount3) | Integer | Create or save account | All |

### SaveAccount3

#### Method signature

function SaveAccount3(

[Login](#_Login_1): string,

[Password](#_Password): string,

Account: [TBookAccount3](#_TBookAccount3)

): Integer;

#### Other parameters

Account – Account data in [TBookAccount3](#_TBookAccount3) structure.

#### Return value

Returns - if user account saved successfully - Account ID (positive value) or negative error code:

* ??

#### Remarks

Allows saving and updating an account data.

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<SaveAccount3 xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<Account>[TBookAccount3]</Account>

</SaveAccount3>

</Body>

</Envelope>

#### Requirements

Interface: [IWebAccount3](#_IWebAccount)

DLL version: All

## IWEBOrder\_7 interface

The IWEBOrder interface is a Service that can be used for creating and modifying web based trip orders in associated host system. Interfaces provide access to trip information. Each interface inherits the functionality of its parent.

Methods list

|  |  |  |
| --- | --- | --- |
| **Method** | **Description** | **Version** |
| [CancelBookOrder\_2](#_IWebHistory) | Cancel booked order | All |
| [EstimateDistance](#_DeleteBookOrder) | Calculating the cost for distance | b44 |
| [EstimateFare\_9](#_EstimateFare_9_1) | Calculating the cost of a trip | b33 |
| [GetAvailableVehicles\_4](#_GetAvailableVehicles_4_1) | Return the list of available vehicles | All |
| [GetBookOrder\_7](#_GetBookOrder_7_2) | Returns the order/trip information. | All |
| [GetDriverLocation](#_GetDriverLocation_1) | Return current GPS coordinates of driver | All |
| [GetOrdersStatus\_4](#_GetOrdersStatus_4) | Returns info for multiple orders | b37 |
| [GetOrderStatus\_2](#_GetOrderStatus_2_1) | Return the status of an order/trip | All |
| [GetVehicleCandidates](#_GetVehicleCandidates) | Returns a list of vehicle candidates for order | b46 |
| [GetVehicleLocation](#_GetVehicleLocation_1) | Returns the longitude and latitude of a dispatched vehicle. |  |
| [RideCurrentFare](#_RideCurrentFare_1) | Returned currend cost for ride |  |
| [SaveBookOrder\_12](#_SaveBookOrder_12_1) | Save an order/trip |  |
| [SaveExtrPayment](#_GetOrderStatus) | Save payment info |  |
| [SaveExtrPayment\_2](#_SaveExtrPayment_2) | Save payment info |  |
| [SendDriverMsg](#_SendDriverMsg) | Send message to a driver |  |
| [SendP2DCall](#_GetBookOrder_2) | Passanger to driver call | b46 |
| [UpdateJobPaymentType](#_SaveRun) | Set new payment method | b27 |
| [UpdateJobToVehicle](#_UpdateJobToVehicle) | Assign a job to order | b45 |

### CancelBookOrder\_2

#### Method signature

function CancelBookOrder\_2(

[Login](#_Login_1): string,

[Password](#_Password): string,

OrderID: integer,

ContactPhone: string,

CCNumber: string,

AccountID: integer,

Reason: string

): integer;

#### Other parameters

OrderID - Order/Trip ID

ContactPhone – Contact phone number with this order/trip. This parameter is optional, if no Contact phone number; pass empty string in the input field.

CCNumber – Credit card number with this order/trip. This parameter is optional, if no credit card number; pass empty string in the input field.

AccountID – Account id with this order/trip. This parameter is optional, if no Account id, pass 0 in the input field.

Reason - cancellation reason

#### Return value

Returns - 1 if operation failed, else 0

#### Remarks

None

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<CancelBookOrder\_2 xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<OrderID>[int]</OrderID>

<ContactPhone>[string]</ContactPhone>

<CCNumber>[string]</CCNumber>

<AccountID>[int]</AccountID>

<Reason>[string]</Reason>

</CancelBookOrder\_2>

</Body>

</Envelope>

#### Requirements

Interface: [IWEBOrder5](#_IWEBOrder,_IWEBOrder_2,_IWEBOrder_3) or higher

DLL version: All

### EstimateDistance

#### Method signature

function EstimateDistance(

[Login](#_Login_1): string,

[Password](#_Password): string,

Distance: double

WaitTime: integer

StopCount: integer

PassangerCount: integer

FrDate: [TWEBTimeStamp](#_TWEBTimeStamp_1)

AccountNum: string

CustomerNum: integer

CabType: integer;

var TotalFare: Double

var TripTime: integer

): integer;

#### Other parameters

See [EstimateFare\_8](#_EstimateFare_8)

aPBToken - always returned as 0

#### Return value

Returns zero as successful result else negative value.

Result of calculation stored in output parameters – TotalFare and TripTime

#### Remarks

None

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<EstimateDistance xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<Distance>[double]</Distance>

<WaitTime>[int]</WaitTime>

<StopCount>[int]</StopCount>

<PassangerCount>[int]</PassangerCount>

<FrDate>[TWEBTimeStamp]</FrDate>

<AccountNum>[string]</AccountNum>

<CustomerNum>[int]</CustomerNum>

<CabType>[int]</CabType>

</EstimateDistance>

</Body>

</Envelope>

#### Requirements

Interface: Any [IWEBOrder7](#_IWEBOrder,_IWEBOrder_2,_IWEBOrder_3) or higher

DLL version: b44 and above.

### EstimateFare\_9

#### Method signature

function EstimateFare\_9(

[Login](#_Login_1): string,

[Password](#_Password): string,

aBookOrder: [TBookOrder\_8](#_TBookOrder_8),

out aTotalFare: Double,

out aFare: Double,

out aTolls: Double,

out aDistance: Double,

out aTripTime: Double

out aPBToken: integer

): integer;

#### Other parameters

aBookOrder – input data for calulation

aTotalFare – output, equals to aFare + aTolls

aFare - output, fare amount (Arcus)

aTolls - output, currently not used. Always returns zero.

aDistance - output, distance, in ?? (Arcus)

aTripTime: Double – time in ?? (Arcus)

aPBToken – ?? (Arcus)

#### Return value

Returns - 1 if operation failed, else 0

#### Remarks

Calculate estimate fields

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<EstimateFare\_9 xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<aBookOrder>[TBookOrder\_8]</aBookOrder>

</EstimateFare\_9>

</Body>

</Envelope>

#### Requirements

Interface: Any [IWEBOrder7](#_IWEBOrder,_IWEBOrder_2,_IWEBOrder_3)

DLL version: b33 and above

### GetAvailableVehicles\_4

#### Method signature

function GetAvailableVehicles\_4(

[Login](#_Login_1): string,

[Password](#_Password): string,

Lon: Double

Lat: Double

MaxRadius: Double

Count: Integer,

BookedOnly: Boolean,

VehicleTypes: TVehicleTypeArray

): [TVehiclePositionArray\_4](#_TVehiclePositionArray_4)

#### Other parameters

Lon - current search position

Lat - current search position

MaxRadius - max search radius

Count - max number or records to return (closest position first)

BookedOnly – returns booked only vehicles

VehicleTypes- return specified vehicles only.

#### Return value

Returns array of [TVehiclePosition\_4](#_TVehiclePosition_4_1) (vehicle number, location and DriverID)

#### Remarks

This method returns the array of available vehicles for the given location GPS, max radius and the max count with the filter by the Book In status and VehicleTypes

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<GetAvailableVehicles\_4 xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<Lon>[double]</Lon>

<Lat>[double]</Lat>

<maxRadius>[double]</maxRadius>

<count>[int]</count>

<BookedOnly>[boolean]</BookedOnly>

<VehicleTypes>[TVehicleTypeArray]</VehicleTypes>

</GetAvailableVehicles\_4>

</Body>

</Envelope>

#### Requirements

Interface: Any [IWEBOrder7](#_IWEBOrder,_IWEBOrder_2,_IWEBOrder_3)

DLL All

### GetBookOrder\_7

#### Method signature

function GetBookOrder\_7(

[Login](#_Login_1): string,

[Password](#_Password): string,

OrderID: integer,

ContactPhone: string,

CCNumber: string,

AccountID: integer

): [TBookOrder\_7](#_TBookOrder_7);

#### Other parameters

OrderID - Order/Trip ID

ContactPhone – Contact phone number with this order/trip. This parameter is optional, if no Contact phone number; pass empty string in the input field.

CCNumber – Credit card number with this order/trip. This parameter is optional, if no credit card number; pass empty string in the input field.

AccountID – Account id with this order/trip. This parameter is optional, if no Account id, pass 0 in the input field.

#### Return value

Returns the details of the order/trip [TBookOrder\_7](#_TBookOrder_7) structure

#### Remarks

This method returns the details of an order/trip in the form of a [TBookOrder\_7](#_TBookOrder_7) structure.

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<GetBookOrder\_7 xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<OrderID>[int]</OrderID>

<ContactPhone>[string]</ContactPhone>

<CCNumber>[string]</CCNumber>

<AccountID>[int]</AccountID>

</GetBookOrder\_7>

</Body>

</Envelope>

#### Requirements

Interface: [IWEBOrder7](#_IWEBOrder,_IWEBOrder_2,_IWEBOrder_3) or higher

DLL version: All

### GetDriverLocation

#### Method signature

function GetDriverLocation (

[Login](#_Login_1): string,

[Password](#_Password): string,

DriverID: integer,

out Lon: Double,

out Lat: Double

): integer;

#### Other parameters

DriverID - Driver’s ID (call number)

out Lon – GPS return value

out Lat – GPS return value

#### Return value

Returns - 1 if operation failed, else 0. GPS info in Lon/Lat output parameters

#### Remarks

None

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<GetDriverLocation xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<DriverID>[string]</DriverID>

<Lon>[double]</Lon>

<Lat>[double]</Lat>

</GetDriverLocation>

</Body>

</Envelope>

#### Requirements

Interface: [IWEBOrder](#_IWEBOrder,_IWEBOrder_2,_IWEBOrder_3) and above

DLL version: All

### GetOrdersStatus\_4

#### Method signature

function GetOrdersStatus\_4 (

[Login](#_Login_1): string,

[Password](#_Password): string,

OrderIDList: [TOrderIDList](#_TOrderIDList)

): [TOrderStatusList\_4](#_TOrderStatusList_4)

#### Other parameters

OrderIDList – List of Orders ID separated by pipe ('|') char

#### Return value

Returns list of orders statuses in [TOrderStatusList\_4](#_TOrderStatusList_4) structure

#### Remarks

This method returns the list of orders statuses for the given list of orders IDs

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<GetOrdersStatus\_4 xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<OrderIDList>FirstID|SecondID</OrderIDList>

</GetOrdersStatus\_4>

</Body>

</Envelope>

#### Requirements

Interface: [IWEBOrder](#_IWEBOrder,_IWEBOrder_2,_IWEBOrder_3)7 and above

DLL b37 and above

### GetOrderStatus\_2

#### Method signature

function GetOrderStatus\_2(

[Login](#_Login_1): string,

[Password](#_Password): string,

OrderID: integer,

ContactPhone: string,

CCNumber: string,

AccountID: integer

): [TWEBOrderStatusValue](#_TWEBOrderStatusValue_1);

#### Other parameters

OrderID - Order/Trip ID.

ContactPhone – Contact phone number with this order/trip. This parameter is optional, if no Contact phone number; pass empty string in the input field.

CCNumber – Credit card number with this order/trip. This parameter is optional, if no Credit card number to be specified, pass empty string in the input field.

AccountID – Account id with this order/trip. Optional. If no Account ID is to be specified, pass 0 in the input field.

#### Return value

Returns orders status in [TWEBOrderStatusValue](#_TWEBOrderStatusValue_1).structure

#### Remarks

None

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<GetOrderStatus\_2 xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<OrderID>[int]</OrderID>

<ContactPhone>[string]</ContactPhone>

<CCNumber>[string]</CCNumber>

<AccountID>[int]</AccountID>

</GetOrderStatus\_2>

</Body>

</Envelope>

#### Requirements

Interface: [IWEBOrder7](#_IWEBOrder,_IWEBOrder_2,_IWEBOrder_3) or above

DLL version: All

### GetVehicleCandidates

#### Method signature

function GetVehicleCandidates(

[Login](#_Login_1): string

[Password](#_Password): string

OrderKey: [TBookOrderKey](#_TBookOrderKey)

): [TVehicleCompArray](#_TVehicleCompArray);

#### Other parameters

OrderKey – structure containing the unique key of the order

#### Return value

List of vehicles

#### Remarks

This method returns returns a list of vehicle candidates for order

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<GetVehicleCandidates xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<OrderKey>[TBookOrderKey]</OrderKey>

</GetVehicleCandidates>

</Body>

</Envelope>

#### Requirements

Interface: [IWEBOrder7](#_IWEBOrder,_IWEBOrder_2,_IWEBOrder_3) or above

DLL version: b46 and above

### GetVehicleLocation

#### Method signature

function GetVehicleLocation (

[Login](#_Login_1): string,

[Password](#_Password): string,

OrderID: integer,

var Lon Double,

var Lan: Double,

): Integer;

#### Other parameters

OrderID - Order/Trip ID.

Lon - if vehicle location found, then the longitude is returned via parameter.

Lat - if vehicle location found, then the latitude of its location is returned via parameter

#### Return value

Returns 0 If the location found, else returns -1

#### Remarks

This method returns the Longitude and Latitude of the current location of the vehicle allocated to a specified trip

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<GetVehicleLocation xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<OrderID>[int]</OrderID>

<Lon>[double]</Lon>

<Lat>[double]</Lat>

</GetVehicleLocation>

</Body>

</Envelope>

#### Requirements

Interface:

DLL

### RideCurrentFare

#### Method signature

function RideCurrentFare(

[Login](#_Login_1): string,

[Password](#_Password): string,

RideID: integer,

out TotalFare: Double

): integer;

#### Other parameters

RideID - ID of existing ride

TotalFare – value of current fare

#### Return value

Returns zero as successful result else negative value.

#### Remarks

Function returns current fare for ride in TotalFare output parameter

#### Examples

Request:

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<RideCurrentFare xmlns="http://tempuri.org/">

<Login>taxi</Login>

<Password>test</Password>

<RideID>12345</RideID>

</RideCurrentFare>

</Body>

</Envelope>

Response:

<?xml version="1.0"?>

<SOAP-ENV:Envelope>

<SOAP-ENV:Body SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">

<NS1:RideCurrentFareResponse xmlns:NS1="urn:WEBOrder\_7Intf-IWEBOrder\_7">

<return xsi:type="xsd:int">0</return>

<TotalFare xsi:type="xsd:double">1345</TotalFare>

</NS1:RideCurrentFareResponse>

</SOAP-ENV:Body>

</SOAP-ENV:Envelope>

#### Requirements

Interface: [IWEBOrder7](#_IWEBOrder,_IWEBOrder_2,_IWEBOrder_3) and above

DLL version: Cabmate – b41 and above.

### SaveBookOrder\_12

#### Method signature

function SaveBookOrder\_12 (

[Login](#_Login_1): string,

[Password](#_Password): string,

BookOrder: [TBookOrder\_12](#_TBookOrder_12),

Vehicles: [TVehicleCompArray](#_TVehicleCompArray)

): [TBookOrderKey](#_TBookOrderKey)

#### Other parameters

BookOrder – see description of [TBookOrder\_12](#_TBookOrder_12) type

Vehicles - in/out parameter. You can put a list of preferred vehicles for this order and get list of available/compatible vehicles

#### Return value

Returns – order key in TBookOrderKey structure. If operation fails, OrderID value of result will be negative.

#### Remarks

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<SaveBookOrder\_12 xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<BookOrder>[TBookOrder\_12]</BookOrder>

<Vehicles>[TVehicleCompArray]</Vehicles>

</SaveBookOrder\_12>

</Body>

</Envelope>

#### Requirements

Interface: Any [IWEBOrder7](#_IWEBOrder,_IWEBOrder_2,_IWEBOrder_3) or higher

DLL b52 and above

### SaveExtrPayment

#### Method signature

function SaveExtrPayment(

[Login](#_Login_1): string,

[Password](#_Password): string,

RideID: integer,

Amount: double,

AuthNum: string

): Integer;

#### Other parameters

RideID – ride ID

Amount - Paid amount

AuthNum - Payment authorization number

#### Return value

Returns if successful, this method returns 1

#### Remarks

External CC Payment. This method updates credit card payment information with an external data.

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<SaveExtrPayment xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<RideID>[int]</RideID>

<Amount>[double]</Amount>

<AuthNum>[string]</AuthNum>

</SaveExtrPayment>

</Body>

</Envelope>

#### Requirements

Interface: Any [IWEBOrder](#_IWEBOrder,_IWEBOrder_2,_IWEBOrder_3)

DLL version: Available in release 8.7.010 b3 and above

### SaveExtrPayment\_2

#### Method signature

function SaveExtrPayment\_2(

[Login](#_Login_1): string,

[Password](#_Password): string,

OrderID: Integer,

TransID: string,

AuthNum: string,

CardToken: string,

PaymentType: string,

PaymentProvider: string,

MDTTip: Integer,

MDTToll: Integer,

MDTExtras: Integer,

MDTFare: Integer,

PaymentTipAmount: Integer,

PaymentMeterAmount: Integer,

PaymentTotal: Integer,

AccountID: Integer,

Name: string,

Phone: string,

Email: string,

OS: string,

UserAgent: string,

GUID: String

): Integer,

#### Other parameters

Login - IBS login name

Password - IBS password

OrderID - ID

TransID - payment transaction ID

AuthNum - transaction response code

CardToken - payment verification data

PaymentType - payment type (e.g. CreditCard)

PaymentProvider - payment provider (e.g. CMT)

MDTTip - MDT tip amount in cents

MDTToll - MDT toll amount in cents

MDTFare - MDT fare amount in cents

MDTExtras - MDT extras amount in cents

PaymentTipAmount - payment tip amount in cents

PaymentMeterAmount - payment meter amount in cents

PaymentTotal - payment total amount in cents

AccountID - IBS Account ID

Name - Customer name

Phone - Customer phone number

Email - Customer email account

OS - Operating System of TaxiHail APP (e.g. iPhone)

UserAgent - User agent from TaxiHail APP

#### Return value

Returns if successful, this method returns 0

#### Remarks

This method updates payment information with an external CMT COF data.

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<SaveExtrPayment\_2 xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<OrderID>[int]</OrderID>

<TransID>[string]</TransID>

<AuthNum>[string]</AuthNum>

<CardToken>[string]</CardToken>

<PaymentType>[string]</PaymentType>

<PaymentProvider>[string]</PaymentProvider>

<MDTTip>[int]</MDTTip>

<MDTToll>[int]</MDTToll>

<MDTExtras>[int]</MDTExtras>

<MDTFare>[int]</MDTFare>

<PaymentTipAmount>[int]</PaymentTipAmount>

<PaymentMeterAmount>[int]</PaymentMeterAmount>

<PaymentTotal>[int]</PaymentTotal>

<AccountID>[int]</AccountID>

<Name>[string]</Name>

<Phone>[string]</Phone>

<Email>[string]</Email>

<OS>[string]</OS>

<UserAgent>[string]</UserAgent>

<GUID>[string]</GUID>

</SaveExtrPayment\_2>

</Body>

</Envelope>

#### Requirements

Interface: Any [IWEBOrder](#_IWEBOrder,_IWEBOrder_2,_IWEBOrder_3)

DLL version: Available in release 8.7.010 b3 and above

### SendDriverMsg

#### Method signature

function SendDriverMsg (

[Login](#_Login_1): string,

[Password](#_Password): string,

CarID: integer,

Msg: string

): Integer;

#### Other parameters

CarID - Vehicle Number.

Msg - Message text.

#### Return value

Returns if successful, this method returns 1

#### Remarks

This method sends text message to MDT

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<SendDriverMsg xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<CarID>[string]</CarID>

<Msg>[string]</Msg>

</SendDriverMsg>

</Body>

</Envelope>

#### Requirements

Interface: Any [IWEBOrder](#_IWEBOrder,_IWEBOrder_2,_IWEBOrder_3)

DLL version: Available in release 8.7.010 b3 and above

### SendP2DCall

#### Method signature

function SendP2DCall(

[Login](#_Login_1): string,

[Password](#_Password): string,

CarID: string;

OrderID: integer

): integer

#### Other parameters

CarID – vehicle number

OrderID – orders ID

#### Return value

**Returns 0 (?) if the method succeeded, otherwise returns error code**

#### Remarks

None

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<SendP2DCall xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<CarID>[string]</CarID>

<OrderID>[int]</OrderID>

</SendP2DCall>

</Body>

</Envelope>

#### Requirements

Interface: [IWEBOrder7](#_IWEBOrder,_IWEBOrder_2,_IWEBOrder_3) and above

DLL: b38 and above

### UpdateJobPaymentType

#### Method signature

function UpdateJobPaymentType(

[Login](#_Login_1): string,

[Password](#_Password): string,

AccountID: integer,

OrderID: integer,

ChargeTypeID: integer

): integer

#### Other parameters

AccountID not used yet

ChargeTypeID not used yet

#### Return value

**Returns 1 if the method succeeded, otherwise returns -1**

#### Remarks

Sends a message 'Payment in car' to the driver.

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<UpdateJobPaymentType xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<AccountID>[int]</AccountID>

<OrderID>[int]</OrderID>

<ChargeTypeID>[int]</ChargeTypeID>

</UpdateJobPaymentType>

</Body>

</Envelope>

#### Requirements

Interface: [IWEBOrder7](#_IWEBOrder,_IWEBOrder_2,_IWEBOrder_3)

DLL version: None

### UpdateJobToVehicle

#### Method signature

function UpdateJobToVehicle(

[Login](#_Login_1): string,

[Password](#_Password): string,

OrderKey: TBookOrderKey;

Vehicle: TVehicleComp

): integer

#### Other parameters

OrderKey – Order unique number

Vehicle – should be assigned to order

#### Return value

**Returns 0 (?) if the method succeeded, otherwise returns negative error code**

#### Remarks

None

#### Examples

<Envelope xmlns="http://schemas.xmlsoap.org/soap/envelope/">

<Body>

<SendP2DCall xmlns="http://tempuri.org/">

<Login>[string]</Login>

<Password>[string]</Password>

<CarID>[string]</CarID>

<OrderID>[int]</OrderID>

</SendP2DCall>

</Body>

</Envelope>

#### Requirements

Interface: [IWEBOrder7](#_IWEBOrder,_IWEBOrder_2,_IWEBOrder_3) and above

DLL b38 and above

# Sample Data Flows

The following section outlines three sample data flows to illustrate the usage of IBS methods between the IBS server and an IBS client to achieve the following:

* Standard Trip booking via credit card
* Standard Account Creation
* Standard Trip booking via Account

## Standard Trip booking via credit card:

1. Import the IBS Web Service from Web client application
2. Trip details are received through web client regarding various aspects of trip booking:
   * Name
   * Contact Phone Number
   * Pickup Address
   * Drop-off Address
   * Passenger no
   * Pickup Date & pickup Time
   * Etc.
3. Create a ‘TbookOrder’ object (ex. tOrder) and initialize with information collected from the client as in step 2) above. tOrder will be the object used to build the trip order from the customer.
4. If an estimated fare is to be generated from XDS and presented to the customer via the IBS client, set the ‘OrderStatus’ in tOrder structure to ‘[TWEBOrderStatusValue](#_TWEBOrderStatusValue_1).wosPriceQry’.
5. Call the ‘SaveBookOrder’ method with tOrder as a parameter. This will create the order entity in the XDS database but the order will not be submitted for dispatching at this point until further information is collected.
6. ‘SaveBookOrder’ will return the status of the save within XDS as an ‘OrderID’. If the ‘OrderID’ is a positive integer, it represents that the action was successful and this ‘OrderID’ will be used to further update information regarding this trip. If the action was unsuccessful, -1 will be returned in the ‘OrderID’ field.
7. Assuming that the ‘SaveBookOrder’ action was successful (i.e. non negative) set ‘OrderID’ and ‘ConfirmationID’ inside the tOrder structure with the ID returned from the ‘SaveBookOrder’ call.
8. If fare estimate is to be displayed:
   * Call the ‘GetBookOrder’ method and pass the ‘OrderID’ returned from item 6) above
   * If ‘GetBookOrder’ call is successful, a ‘TbookOrder’ structure will be returned, otherwise –1 will be returned (unsuccessful)
   * The fare estimate will be store inside the returned ‘TbookOrder’ structure.
   * Add this data to the appropriate filed in tOrder.
9. Gather CC details from user
   * Get all the credit card information from the user. Credit Card number and expiry date are mandatory fields.
   * Fill tOrder structure with credit card details received from the user.
10. Book the trip
    * To book the trip in XDS, set the ‘OrderStatus’ field in the tOrder structure to ‘[TWEBOrderStatusValue](#_TWEBOrderStatusValue_1).wosPost’.
    * Call the ‘SaveBookOrder’ method with tOrder as input parameter.
    * XDS will receive trip and perform a pre-authorization on the credit card with the value pre-provisioned by the transportation company.
    * If ‘SaveBookOrder’ method was successful, a non-negative ‘OrderID’ will be returned by the method.

**Notes**

1. If ‘SaveBookOrder’ is called with tOrder field ‘OrderStatus’ set to something other ‘[TWEBOrderStatusValue](#_TWEBOrderStatusValue_1).wosPost’, IBS will create a temporary trip in XDS database, which gets removed by XDS when it performs its periodic garbage collection audit of the database. To ensure that the trip receives a permanent entry in the database ‘[TWEBOrderStatusValue](#_TWEBOrderStatusValue_1).wosPost’ must be utilized.
2. If you want to modify an existing trip, first modify the details in the tOrder structure then call ‘getBookOrder’ with tOrder as parameter. This method will return another ‘TbookOrder’ (sOrder) structure
3. With modifying trip’s OrderID and if it is successful, it will return a TBookOrder structure. Modify the information inside this structure (don’t change OrderID) and call SaveBookOrder with modifying TBookOrder structure. This time IBS will modify existing trip whose ID is TBookOrder’s OrderID.

## Standard Account Creation

1. Connect to IBS Web Service from Web client application.
2. Receive customer information through web client UI interface such as:
   * Name
   * Contact Phone Number
   * Position
   * Department
   * Login
   * Password
   * Etc.
3. Create ‘TbookAccount’ object (ex. tAccount) and initialize with the information collected in step 2).
4. Call the ‘SaveAccount’ method and pass tAccount as a parameter.
5. Check the return parameter from the ‘SaveAccount’ method. If a positive value is retuned in the ‘AccountID ‘this means that the procedure was successful and an account object has been created in the XDS database. (Note that in order to have the account accessed through the web, the XDS administrator must approve it). If the result is a –1000, this means that an account with the desired ID already exists in the XDS database. All other negative values indicate the inability to create the account in the database.

## Standard Trip booking via Account

1. Connect to IBS Web Service from Web client application.
2. Allow user to login to account through web client.
3. Collect Trip details through web client regarding various aspects of trip booking:
   * Name
   * AccountID
   * Contact Phone Number
   * Pickup Address
   * Drop-off Address
   * Number of Passengers
   * Pickup Date & pickup Time
   * Etc.
4. Create ‘TbookOrder’ (ex. tOrder) object and initialize with information collected in 2) above.
5. If a fare estimate is required for the booking do the following:
   * In the tOrder structure, set the ‘OrderStatus’ field to ‘[TWEBOrderStatusValue](#_TWEBOrderStatusValue_1).wosPriceQry’
6. Call the ‘SaveBookOrder’ method passing tOrder as an input parameter.
7. Determine if the call to ‘SaveBookOrder’ was successful:
   * Check the value returned in the ‘OrderID’ field: if value is non-negative, this indicates a positive result a negative return code indicates a failure.
8. Set ‘OrderID’ and ‘ConfirmationID’ fields of tOrder with the successful ‘OrderID’ value returned in item 7) above.
9. If required Retrieve fare estimate details from IBS:
   * Call ‘GetBookOrder’ and pass ‘OrderID’ from 7)a. above
   * If ‘GetBookOrder’ is successful, a ‘TbookOrder’ structure will be returned, otherwise –1.
   * Fare field inside returned ‘TbookOrder’ structure has the estimated fare. Set the fare inside tOrder structure with the received fare.
10. Commit the trip to XDS for dispatching:
    * Set the ‘OrderStatus’ field in tOrder structure to ‘[TWEBOrderStatusValue](#_TWEBOrderStatusValue_1).wosPost’
    * Call ‘SaveBookOrder’ method and pass the tOrder object as a parameter.
    * If ‘SaveBookOrder’ is success, it will return ‘OrderID’, otherwise –1 will be returned.

# Used types

### Sample types

Integer – used int32

Double -

String -

## Ordinal types

### TAccountType

|  |  |
| --- | --- |
| **Name** | **Description** |
| actNone | Regular account |
| actWebAccount | Web account |

### TCCTransResult

|  |  |  |
| --- | --- | --- |
| **Name** | **Ordinal value** | **Description** |
| ctrNone | 0 | No result |
| ctrDeclined | 1 | Transaction declined |
| ctrApproved | 2 | Transaction Approved |
| ctrTimeout | 3 | Transaction failed because the timeout |

### TRptFormat

|  |  |
| --- | --- |
| **Name** | **Description** |
| PrPDF | Portable Document Format |
| PrRTF | Rich Text Format |
| prText | Plain text |
| prHTML | HyperText Markup Language |
| prExcel | Microsoft Excel format |

### TWEBAccountStatus

|  |  |  |
| --- | --- | --- |
| **Name** | **Ordinal value** | **Description** |
| wasNone | 0 |  |
| wasCreate | 1 |  |
| wasUpdate | 2 |  |
| wasNotUnique | 3 |  |
| wasMoved | 4 |  |
| wasValid | 5 |  |
| wasSuspended | 6 |  |

### TWEBOrderStatusValue

|  |  |  |
| --- | --- | --- |
| **Value** |  | **Description** |
| wosNone | 0 | new order (not posted) |
| wosAddrValidQry | 1 |  |
| wosAddrValidating | 2 |  |
| wosAddrValidatingTimeout | 3 |  |
| wosAddrNotValid | 4 |  |
| wosAddrValid | 5 |  |
| wosSCHED | 6 | the Job was Schedule |
| wosCANCELLED | 7 | the Job was Cancel |
| wosPost | 8 |  |
| wosMove | 9 |  |
| wosMoved | 10 |  |
| wosDONE | 11 | the Job was Done |
| wosWAITING | 12 | the Job Unassigned to Driver (to be dispatched) |
| wosASSIGNED | 13 | Driver Assigned for the Job(dispatched) |
| wosARRIVED | 14 | TAXI at Pickup Point |
| wosLOADED | 15 | Customer on Board |
| wosNOSHOW | 16 | Driver has Arrive, but Customer not Show up at Pickup Point. |
| wosAddrPostalValidQry | 17 | For future use |
| wosCANCELLED\_DONE | 18 | the Job was Cancel and Removed from XDS (cancelled) |
| wosCCPreauthQry | 19 | request for Credit Card Preauthorization (Fare is required) |
| wosCCSaleQry | 20 | request for Credit Card Sale (Fare Amount is required) |
| wosCCProcessing | 21 | request in process |
| wosCCProcDone | 22 | request process done |
| wosPriceQry | 23 | request for Trip Price |
| wosPriceCalculating | 24 | request in process |
| wosPriceDone | 25 | request process done |
| wosReportQry | 26 | Report Query placed |
| wosReportProcessing | 27 | Processing report |
| wosReportDone | 28 | Report completed |
| wosCCEncryptCCInfo | 29 | request for CCInforEncryption |
| wosCCEncryptCCInfoDone | 30 | request for CCInforEncryption |
| wosTIMEOUT | 31 | status after ride canceled by timer |
| wosDoneNotPayed\* | 32 | ride is done but not payed yet |

## Structured and array types

### TAccountItem

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| AccountID | Int | A unique ID for this account. |
| Name | String | Account Name. |
| AccountLogin | String | Login ID use to login in Web client. |
| AccountPassword | String | Login password use to login in Web client. |
| WebReservation | boolean | UNKNOW |

### TAirportItem

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| AirportAddress | String | Airport’s address. |
| City | String | Airport city name. |
| Region | String | Airport region name. |
| AirportCode | String | Airport’s code. |
| Lon | Double | Longitude of the Airport address. |
| Lat | Double | Latitude of the Airport address. |

### TAirportArray

Structure which is an array of [TAirportItem](#_TAirportItem).

### TAirlineItem

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| AirID | String | Airline’s ID. |
| AirName | String | Airline’s name. |

### TAirlineArray

Structure which is an array of [TAirlineItem](#_TAirlineItem_1)

### TBannedZone

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| Zone | String | Zone name |
| ZoneID | integer | Zone ID |
| Vehicles | TVehicleNameArray | Array of strings |
| Drivers | TDriverNameArray | Array of strings |

### TBannedZoneArray

Structure which is an array of [TBannedZone](#_TBannedZone)

### TBookAccount

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| AccType | [TAccountType](#_TAccountType) | Type of account |
| AccountID | Integer | User account ID |
| AccountName | string |  |
| Address | [TWEBAddress](#_TWEBAddress) |  |
| CCEndMonth | string |  |
| CCEndYear | string |  |
| CCHolder | string |  |
| CCIssueNumber | string |  |
| CCNumber | string |  |
| CCSecurityCode | string |  |
| CCStartMonth | string |  |
| CCStartYear | string |  |
| Fax | string |  |
| FirstName | string |  |
| LastName | string |  |
| Phone | string |  |
| ServiceProviderID | Integer | Not used yet |
| Title | string |  |
| WEBID | string |  |
| WEBPassword | string |  |
| WEBStatus | [TWEBAccountStatus](#_TWEBOrderStatusValue) |  |
| eMail | string |  |

### TBookAccount2

Inherited from TBookAccount

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| **Name** | **Type** | **Description** |
| OwnerID | Int | User account owner ID. |
| OwnerType | Int | User account owner type:  0 – account user  1 – department user |
| TextBack | Boolean | Default flag for Text back message. |
| EmailBack | Boolean | Default flag for EMail back message. |
| CallBack | Boolean | Default flag for Call back message. |
| AccountAdmin | Boolean | For the future use. |
| Priority | Boolean | Booking priority. |
| Email2 | String | Email2 address. |
| MobilePhone | String | Mobile phone number. |
| BusinessType | String | For the future use. |
| UserPosition | String | Account user’s position. |
| TripRemark | String | The default trip remark. |
| AdminNotes | String | Administrator note. |
| LPoints | String | Loyalty points. |
| BarCode | String | Account user bar code. |
| DeptName | String | User department name. If new account has the Department name then the new department will be created within the account. |
| DriverRating | Int | XDS driver rating. |
| CallbackPhone | Int | 1 – use landline phone for call back  2 – use mobile phone for call back |
| EMailbackAddress | Int | 1 – use Email1 for email back  2 – use Email2 phone for email back |
| Prompt1 | TPromptField | Account prompt 1 |
| Prompt2 | TPromptField | Account prompt 2 |
| Prompt3 | TPromptField | Account prompt 3 |
| Prompt4 | TPromptField | Account prompt 4 |
| Prompt5 | TPromptField | Account prompt 5 |
| Prompt6 | TPromptField | Account prompt 6 |
| Prompt7 | TPromptField | Account prompt 7 |
| Prompt8 | TPromptField | Account prompt 8 |
| FavoriteAddresses | TWEBFavotiteAddress [] | List of account user favorite addresses (up to 8) |
| Exceptions | TException [] | List of exceptions for the account |
| VehicleTypes | TVehicleTypeItem [] | List of account vehicle types |

### TBookAccount3

Inherited from TBookAccount2

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| **Name** | **Type** | **Description** |
| OwnerID | Int | User account owner ID. |
| OwnerType | Int | User account owner type:  0 – account user  1 – department user |
| TextBack | Boolean | Default flag for Text back message. |
| EmailBack | Boolean | Default flag for EMail back message. |
| CallBack | Boolean | Default flag for Call back message. |
| AccountAdmin | Boolean | For the future use. |
| Priority | Boolean | Booking priority. |
| Email2 | String | Email2 address. |
| MobilePhone | String | Mobile phone number. |
| BusinessType | String | For the future use. |
| UserPosition | String | Account user’s position. |
| TripRemark | String | The default trip remark. |
| AdminNotes | String | Administrator note. |
| LPoints | String | Loyalty points. |
| BarCode | String | Account user bar code. |
| DeptName | String | User department name. If new account has the Department name then the new department will be created within the account. |
| DriverRating | Int | XDS driver rating. |
| CallbackPhone | Int | 1 – use landline phone for call back  2 – use mobile phone for call back |
| EMailbackAddress | Int | 1 – use Email1 for email back  2 – use Email2 phone for email back |
| Prompt1 | TPromptField | Account prompt 1 |
| Prompt2 | TPromptField | Account prompt 2 |
| Prompt3 | TPromptField | Account prompt 3 |
| Prompt4 | TPromptField | Account prompt 4 |
| Prompt5 | TPromptField | Account prompt 5 |
| Prompt6 | TPromptField | Account prompt 6 |
| Prompt7 | TPromptField | Account prompt 7 |
| Prompt8 | TPromptField | Account prompt 8 |
| FavoriteAddresses | TWEBFavotiteAddress [] | List of account user favorite addresses (up to 8) |
| Exceptions | TException [] | List of exceptions for the account |
| VehicleTypes | TVehicleTypeItem [] | List of account vehicle types |
| UserCustomerID: | String | Umbrella account ID for account User |

### TBookOrder

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| AccountID | Int | Account id associated with this order/trip if booking done by account user. |
| CCAuth | String | Transaction authorization value. |
| CCExpMonth | String | Credit Card Expiry month. |
| CCExpYear | String | Credit Card Expiry year. |
| CCHolder | String | Cardholder name. |
| CCIssueNumber | String | Card issue number. |
| CCNumber | String | Credit Card Number. |
| CCRespondText | String | The response message. |
| CCSecurityCode | String | Credit card security code. |
| CCStartMonth | String | Card start month. |
| CCStartYear | String | Card start year. |
| CCTransDate | String | Credit card transaction date. |
| CCTransID | Int | CCAS log transaction ID. If not submitted with a credit card booking then new transaction starts. |
| CCTransResult | [TCCTransResult](#_TCCTransResult) | Card transaction result: |
| ConfirmationID | Int | Order ID or Ride ID. If the ConfirmationID is greater than 0 then the existing booking will be updated. Otherwise, the new booking record will be created. |
| ContactPhone | String | Phone number specified in order contact field. |
| Customer | String | Passenger Name. |
| DropoffAddress | [TWEBAddress](#_TWEBAccountStatus) | Drop off address structure. |
| EstDistance | Double | Estimated trip distance. To force distance calculation the value should be set to 0.00 when the order is save. |
| Fare | Double | Fare amount. To force a new fare calculation the value should be set to 0.00 when the order is saved |
| Note | String | Ride Note specified in trip/order. |
| OrderDate | [TWEBTimeStamp](#_TWEBTimeStamp_1) | Order submission Date (Time/Date in which trip booking was made called) |
| OrderID | Int | Web order ID (the same as RideID) |
| OrderStatus | [[TWEBOrderStatusValue](#_TWEBOrderStatusValue_1)](#_TWEBOrderStatusValue_1) | Status of trip/order |
| Passengers | Int | Number of passengers. |
| Phone | String | Phone number from which order was placed (if applicable). |
| PickupAddress | [TWEBAddress](#_TWEBAccountStatus) | Pickup address structure. |
| PickupDate | [TWEBTimeStamp](#_TWEBTimeStamp_1) | The requested/scheduled Pickup date (leave the time part of the structure blank). |
| PickupTime | [TWEBTimeStamp](#_TWEBTimeStamp_1) | The requested/scheduled Pickup time (leave the date part of the structure blank). |
| ServiceProviderID | Int | Currently not in use. |
| Tolls | Double | Toll amount associated with trip/order |
| VehicleTypeID | Int | Cab type id. |
| VehicleTypeName | String | Cab type name. |

### TBookOrder\_2

TBookOrder\_2 is derived from TBookOrder. So it has all properties from TBookOrder plus its own properties as outlined in the table below.

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| Airline | String | Airline code/name. |
| AirportCode | String | Airport code. |
| Arrival | [TWEBTimeStamp](#_TWEBTimeStamp_1) | Flight arrival time. |
| CancelNum | Integer | Ride cancellation number |
| CrewAuthoriz | String | Flight crew authorization number. |
| Flight | String | Flight number. |
| MajorIntersect | String | Closest major intersection for the pickup. |
| OrderedBy | String | Name of individual who booked the trip |
| PermanentRem | String | Trip permanent remark. |

### TBookOrder\_3

TBookOrder\_3 is derived from [TBookOrder\_2](#_TBookOrder_2). So it has all properties from TBookOrder\_2 plus [TBookOrder](#_TBookOrder) and properties as specified below.

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| CallBack | Bool | Call back flag. If set to true, then message will be send to phone which is stored in CallBackNo. |
| CallBackNo | String | Phone number for the call back. |
| CCAddress | String | Credit Card holder billing address. |
| CCPostCode | String | Credit Cardholder billing Postcode. |
| EmailBack | Bool | Email back flag. If set to true, then message will be send to email which is stored in EmailBackAdd. |
| EmailBackAdd | String | Email back address. |
| Field1 | String | Generic field 1 value. |
| Field2 | String | Generic field 2 value. |
| Field3 | String | Generic field 3 value. |
| Field4 | String | Generic field 4 value. |
| Field5 | String | Generic field 5 value. |
| Field6 | String | Generic field 6 value. |
| Field7 | String | Generic field 7 value. |
| Field8 | String | Generic field 8 value. |
| Prompt1 | String | Prompt1 value. |
| Prompt2 | String | Prompt2 value. |
| Prompt3 | String | Prompt3 value. |
| Prompt4 | String | Prompt4 value. |
| Prompt5 | String | Prompt5 value. |
| Prompt6 | String | Prompt6 value. |
| Prompt7 | String | Prompt7 value. |
| Prompt8 | String | Prompt8 value. |
| RideID | Integer | Ride ID |
| RideStops | [TWEBAddress](#_TWEBAccountStatus) [] | List of stops (address structures). TWebAddress [0] is pickup address and TWebAddress [n] is final destination. |
| TxtBack | Bool | Text back flag. If set to true, then message will be send to mobile phone which is stored in TxtBackAdd. |
| TxtBackAdd | String | Text back address. |

### TBookOrder\_4

TBookOrder\_4 is derived from [TBookOrder\_3](#_TBookOrder_3). So it has all properties from [TBookOrder\_3](#_TBookOrder_3) and [TBookOrder\_2](#_TBookOrder_2) and [TBookOrder](#_TBookOrder) and properties as specified below.

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| ccFirst | String | Credit Cardholder billing First name. |
| ccLast | String | Credit Cardholder billing Last name. |
| ccCity | String | Credit Cardholder billing City name. |
| ccState | String | Credit Cardholder billing State. (Abbreviate the state or province name) |
| ccType | String |  |

### TBookOrder\_5

TBookOrder\_5 is derived from [TBookOrder\_4](#_TBookOrder_4). So it has all properties from [TBookOrder\_4](#_TBookOrder_4) and [TBookOrder\_3](#_TBookOrder_3) and [TBookOrder\_2](#_TBookOrder_2) and [TBookOrder](#_TBookOrder) and properties as specified below.

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| CabNo | String | XDS Cab Number (if assigned) |
| CallNumber | String | XDS Driver Call Number (if assigned) |
| ChargeTypeID | Integer | XDS Charge Type ID (available from IStatic) |
| DispByAuto | Boolean | Flag to dispatch by Auto Dispatcher |
| FrCity | String | Pickup city name |
| FrRegion | String | Pickup state/prov name |
| RideExceptions | [TExceptionsArray](#_TExceptionsArray) | Array of TException |
| ToCity | String | Drop-off city name |
| ToRegion | String | Drop-off state/prov name |

### TBookOrder\_6

TBookOrder\_6 is derived from [TBookOrder\_5](#_TBookOrder_5). So it has all properties from [TBookOrder\_5](#_TBookOrder_5) and [TBookOrder\_4](#_TBookOrder_4) and [TBookOrder\_3](#_TBookOrder_3) and [TBookOrder\_2](#_TBookOrder_2) and [TBookOrder](#_TBookOrder) and properties as specified below.

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| Priority | Integer | XDS Priority flag (0 or 1) |

### TBookOrder\_7

TBookOrder\_7 is derived from [TBookOrder\_6](#_TBookOrder_6). So it has all properties from [TBookOrder\_6](#_TBookOrder_6) and [TBookOrder\_5](#_TBookOrder_5) and [TBookOrder\_4](#_TBookOrder_4) and [TBookOrder\_3](#_TBookOrder_3) and [TBookOrder\_2](#_TBookOrder_2) and [TBookOrder](#_TBookOrder) and properties as specified below.

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| Tips | Currency | XDS gratuity amount |
| ~~VAT~~ | ~~Currency~~ | ~~VAT~~.Missing in some builds |

### TBookOrder\_8

TBookOrder\_8 is derived from [TBookOrder\_7](#_TBookOrder_7). So it has all properties from [TBookOrder\_7](#_TBookOrder_7) and [TBookOrder\_6](#_TBookOrder_6) and [TBookOrder\_5](#_TBookOrder_5) and [TBookOrder\_4](#_TBookOrder_4) and [TBookOrder\_3](#_TBookOrder_3) and [TBookOrder\_2](#_TBookOrder_2) and [TBookOrder](#_TBookOrder) and properties as specified below.

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| AccountNum | String | Not used. For Cabmate compatibility. |
| CustomerNum | Integer | Not used. For Cabmate compatibility. |
| WaitTime | Integer | Not used. For Cabmate compatibility. |

### TBookOrder\_10

TBookOrder\_10 is derived from TBookOrder\_8

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| JobOfferPrompt | String | Drivers prompt message on “Accept/Decline” screen |
| AssignDriver | String | Preference driver |
| AssignCab | String | Preference vehicle |
| ExpirySec | integer | Currently for internal use. Set to zero or ignore |

### TBookOrder\_11

TBookOrder\_11 is derived from TBookOrder\_10

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| GUID | String | Drivers prompt message on “Accept/Decline” screen |
| TipAmount | integer | Tip amount in cents |
| TipPercent | integer | Tip percent |
| PBToken | integer | Price book token |

### TBookOrder\_12

TBookOrder\_11 is derived from TBookOrder\_11

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| JobOfferAcceptTimeout | integer | Time in seconds the MDT will wait for Accept. |
| JobProvider | integer | Indicator of who entered the Job\* |
| TipIncentive | Currency | TIP Incentive amount |

These fields will be sent with “JobOffer” field to MDT.

\* Job Provider accepted values:

|  |  |
| --- | --- |
| **Name** | **Description** |
| 0 | Generic Job (generated by dispatch) |
| 1 | Arro |
| 2 | TaxiHail |
| 3 | Curb |

### TBookOrderList\_3

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| OrderCount | Integer | Total number of trips/bookings. |
| OrderList | [TOrderList\_3](#_TOrderList_3) | Array of trips/bookings. |

### TBookOrderList\_4

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| OrderCount | Integer | Total number of trips/bookings. |
| OrderList | [TOrderList\_4](#_TOrderList_4) | Array of trips/bookings. |

### TBookOrderList\_5

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| OrderCount | Integer | Total number of trips/bookings. |
| OrderList | [TOrderList\_5](#_TOrderList_5) | Array of trips/bookings. |

### TBookOrderList\_6

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| OrderCount | Integer | Total number of trips/bookings. |
| OrderList | [TOrderList\_6](#_TOrderList_6) | Array of trips/bookings. |

### TBookOrderList\_7

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| OrderCount | Integer | Total number of trips/bookings. |
| OrderList | [TOrderList\_7](#_TOrderList_7) | Array of trips/bookings. |

### TBookOrderList\_8

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| OrderCount | Integer | Total number of trips/bookings. |
| OrderList | [TOrderList\_8](#_TOrderList_8) | Array of trips/bookings. |

### TBookOrderKey

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| GUID | String | Unique global indefenr |
| OrderID | Integer | Orders primary key |

### TChargeTypeItem

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| ChargeTypeID | Integer | Charge Type ID |
| ChargeTypeName | String | XDS Charge Type Name |

### TChargeTypeArray

Structure which is an array of [TChargeTypeItem](#_TChargeTypeItem)

### TCityItem

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| CityID | Int | City’s ID. |
| Name | String | City’s name. |

### TCityArray

Structure which is an array of [TCityItem](#_TCityItem_2).

### TDriverType

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| ID | Integer | Driver type ID |
| Name | String | Driver Type short description |

### TDriverTypeArray

Structure which is an array of [TDriverType](#_TDriverType)

### TException

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| ExID | Int | Exception’s ID. |
| ExName | String | Exception’s name. |

### TExceptionsArray

Structure which is an array of [TException](#_TException)

### TExceptionItem

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| ID | Int | Exception’s ID. |
| Name | String | Exception’s name. |

### TExceptionArray

Structure which is an array of [TExceptionItem](#_TExceptionItem)

### TFavoriteAddressesArray

Structure which is an array of [TWEBFavotiteAddress](#_TWEBFavotiteAddress)

### TFlatRatePlaceItem

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| Index | Int | Flat rate place index. |
| Name | String | Flat rate place name. |

### TFlatRatePlaceArray

Structure which is an array of [TFlatRatePlaceItem](#_TFlatRatePlaceItem_1)

### TFlatRateValue

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| ID | String | A unique ID for flat rate. |
| Price | Double | Price for the flat rate. |
| Tolls | Double | Tolls for the flat rate. |

### TOrderIDList

Structure which is an array of integer values

### TOrderList\_3

Structure which is an array of [TBookOrder\_3](#_TBookOrder_3)

### TOrderList\_4

Structure which is an array of [TBookOrder\_4](#_TBookOrder_4)

### TOrderList\_5

Structure which is an array of [TBookOrder\_5](#_TBookOrder_5)

### TOrderList\_6

Structure which is an array of [TBookOrder\_6](#_TBookOrder_6)

### TOrderList\_7

Structure which is an array of [TBookOrder\_7](#_TBookOrder_7)

### TOrderList\_8

Structure which is an array of [TBookOrder\_8](#_TBookOrder_8)

### TOrderStatus

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| DriverFirstName | String |  |
| DriverLastName | String |  |
| DriverMobilePhone | String |  |
| ETATime | [TWEBTimeStamp](#_TWEBTimeStamp_1) |  |
| Fare | Double |  |
| OrderID | Integer |  |
| OrderStatus | [TWEBOrderStatusValue](#_TWEBOrderStatusValue_1) |  |
| Tips | Double |  |
| Tolls | Double |  |
| VAT | Double |  |
| VehicleColor | String |  |
| VehicleCoordinateLat | Double |  |
| VehicleCoordinateLong | Double |  |
| VehicleMake | String |  |
| VehicleModel | String |  |
| VehicleNumber | String |  |
| VehicleRegistration | String |  |

### TOrderStatus\_2

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| CallNumber | String |  |
| ReferenceNumber | String |  |
| TerminalId | String |  |

### TOrderStatus\_3

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| PairingCode | String | Added for Cabmate compatibility |
| Surcharge | Double | Added for Cabmate compatibility |

### TOrderStatus\_4

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| DriverNumber | Integer | Added for Cabmate compatibility |
| OriginalImg | String | Added for Cabmate compatibility |
| ThumbnailImg | String | Added for Cabmate compatibility |
| WebImg | String | Added for Cabmate compatibility |

### TOrderStatusList

Structure which is an array of [TOrderStatus](#_TOrderStatus)

### TOrderStatusList\_2

Structure which is an array of [TOrderStatus\_2](#_TOrderStatus_2)

### TOrderStatusList\_3

Structure which is an array of [TOrderStatus\_3](#_TOrderStatus_3)

### TOrderStatusList\_4

Structure which is an array of [TOrderStatus\_4](#_TOrderStatus_4)

### TPaymentAuthorization3dParty

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| ApprovalText | String | Text to display to the Driver. Example: “Payment Approved” |
| Approved | Boolean | Value Meaning 0 False 1 True |
| ApprovedAmount | String | Amount approved as currency string. Example: “$15.00” |
| AuthorizationNumber | String | The authorization number. Note: Not required for CASH or External payment |
| Card Number | String | Masked card number. Example: “\*\*\*\*\*\*\*\*\*\*\*\*4460”. Note: Not required for CASH or External payment |
| CardType | String | Set to “Card Name/Account/Cash” depending Payment Type field. Note: Not required for CASH or External payment |
| CCSequenceNumber | String | The transaction sequence number. Note: Not required for CASH or External payment |
| CollectAmount | String | Amount Outstanding as currency string. Additional Payment required. Example: “$19.00” |
| DiscountAmount | String | Amount as currency string Amount echoed back or adjusted |
| ExpiryDate | String | Expiry date in following format “Mmyy”. Note: Not required for CASH or External payment |
| ExtrasAmount | String | Extras Amount as currency string Extras amount echoed back. |
| FareAmount | String | Fare Amount as currency string Fare Amount echoed back |
| JobNumber | Integer | The job number of the payment is linked to |
| PayType | Integer | Value Meaning 0 Cash 1 Account 3 Credit Card 6 External Payment |
| Surcharge Amount | String | Amount as currency string Amount echoed back or adjusted |
| TaxAmount | String | Tax Amount as currency string Tax Amount echoed back. |
| TipAmount |  | Tip Amount as currency string |
| TollsAmount | String | Tolls Amount as currency string Tolls Amount echoed back or adjusted |
| TransactionDate | String | Transaction date in following format “dd/MM/yy”. |
| TransactionTime | String | Transaction time in the following format “hh:mm:ss [AM, PM]”. Example: “9:54:30 AM”. |

### TProviderItem

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| ProviderName | String | Company Name. |
| ProviderID | String | Company alpha numeric ID. |
| ProviderNum | Integer | Company numeric ID (ProviderID in TWebOrder). |
| IsDefault | Boolean | Is this a default provider |

### TProviderArray

Structure which is an array of [TProviderItem](#_GetExceptions)

### TRun

TRun is derived from TBookOrder. So it has all properties from TBookOrder plus its own properties as outlined in the table below.

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| RunNum | String |  |
| RunRides | [TOrderList\_6](#_TOrderList_6) |  |

### TSetupIBS not completed

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| Setup\_IBS\_ID | String | A unique id for the IBS setup. |
| CompanyID | Int | For future use. |
| ReservationLeadMin | Int | Minimum lead-time required when booking a trip via the web (in minutes). E.g. ReservationLeadMin = 20, and now it is 10:30 am, so a trip can be book earliest 10:50 am. |
| CancellationLeadMin | Int | Minimum lead-time for canceling a trip through web (in minutes). E.g. CancellationLeadMin = 30, now it is 10:30 am, a trip is booked for 11:30 am. So that trip can be cancel latest by 11 am. |
| MaxPassengersPerOrder | Int | Maximum number of passengers can be select for a single trip booking through web. |
| CCTimeoutMin | Int | Setup the timeout for web client for requesting any page from server (in minutes) |
| MinLenLoginID | Int | Minimum length for web login id (in number of characters). |
| MinLenPass | Int | Minimum length for web login password (in number of characters). |
| InvoicePATH | String | Local Path for storage of invoice files. |
| ReportPATH | String | Local Path for storage of trip report files. |
| ReportDays | Int | When creating trip report, client needs to pass starting date and end date of trip and here they can setup maximum number of days difference between start and end date for trip report. |
| ReportType | String | Format of trip report (“PDF” or “HTML”). |
| CreateAccountWeb | Bool | Whether the Web client can request to create a new web account via the web interface. (True – permitted, False – not permitted) |
| EditAccountWeb | Bool | Whether the Web client can allow the web account to be edited via the web interface (True – permitted, False – not permitted) |
| OneTimeWebBooking | Bool | Indicates whether the one time booking interface via the web is to be presented. (True – permitted, False – not permitted) |
| CancelTripWeb | Bool | Indicates whether the canceling of a trip is available through the web interface. (True – available, False – not available) |
| EditTripWeb | Bool | Indicates whether the editing of an existing trip is permitted through the web interface. (True – permitted, False – not permitted) |
| UseAccountPromptsWeb | Bool | Indicates whether the use of account based prompts will be required through the web. (True – account prompts permitted, False – account prompts NOT permitted) |
| TripHistory | Bool | Indicates whether an account user is permitted to view their trip history via the web. (True – permitted, False – no permitted) |
| Mapping | Bool | Indicates whether an account user is able to track the vehicle that is assigned to their trip via the web. (True – permitted, False – not permitted) |
| DisplayQuote | Bool | Indicates whether price quotes for booked trips will be made available via the web. (True – quotes will be displayed, False – quotes will not be displayed) |
| EMailFlags | Bool | Indicates whether options to provide email notifications for trips are permitted through the web. (True – permitted, False – not permitted) |
| TxtBackFlags | Bool | Indicates whether options to provide text message based notifications for trips are permitted through the web. (True – permitted, False – not permitted) |
| CallOutFlags | Bool | Indicates whether options to provide a phone callback type notification for trips are permitted through the web. (True – permitted, False – not permitted) |

### TVehicleCompType

|  |  |
| --- | --- |
| **Name** | **Description** |
| vctNumber | ?? |
| vctPimID |  |
| vctMedallion |  |

### TVehicleComp

|  |  |
| --- | --- |
| **Name** | **Type** |
| VehicleCompType | [TVehicleCompType](#_TVehicleCompType) |
| VehicleID | string |
| ETADistance | Integer |
| ETATime | Integer |
| Rating | string |

### TVehicleCompArray

Structure which is an array of [TVehicleComp](#_TVehicleComp)

### TVehiclePosition

|  |  |
| --- | --- |
| **Name** | **Type** |
| VehicleNumber | String |
| Longitude | Double |
| Latitude | Double |
| GPSLastUpdated | TWEBTimeStamp |

### TVehiclePositionArray

Structure which is an array of [TVehiclePosition](#_TVehiclePosition)

### TVehiclePosition\_2

TVehiclePosition\_2 is derived from [TVehiclePosition](#_TVehiclePosition). So it has all properties from TVehiclePosition and properties as specified below.

|  |  |
| --- | --- |
| **Name** | **Type** |
| DriverID | String |

### TVehiclePositionArray\_2

Structure which is an array of [TVehiclePosition\_2](#_TVehiclePosition_2_1)

### TVehiclePosition\_3

TVehiclePosition\_3 is derived from [TVehiclePosition\_2](#_TVehiclePosition_2_1). So it has all properties from [TVehiclePosition\_2](#_TVehiclePosition_2_1).

### TVehiclePositionArray\_3

Structure which is an array of [TVehiclePosition\_3](#_TVehiclePosition_3_1)

### TVehiclePosition\_4

TVehiclePosition\_4 is derived from [TVehiclePosition\_3](#_TVehiclePosition_3_1). So it has all properties from [TVehiclePosition\_3](#_TVehiclePosition_3_1) and properties as specified below.

|  |  |
| --- | --- |
| **Name** | **Type** |
| VehicleType | TVehicleTypeItem |

### TVehiclePositionArray\_4

Structure which is an array of [TVehiclePosition\_4](#_TVehiclePosition_4_1)

### TVehicleTypeItem

|  |  |  |
| --- | --- | --- |
| **Method** | **Description** | **Return Type** |
| Name | String | Vehicle type name |
| Capacity | Int | Vehicle capacity |
| ID | Int | Unique vehicle type ID |
| IsDefault | Boolean | Is this vehicle type a company default |

### TVehicleTypeArray

Structure which is an array of [TVehicleTypeItem](#_TVehicleTypeItem)

### TWEBAddress

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| AddressID | integer |  |
| AptBaz | string |  |
| CityID | integer |  |
| CountryID | integer |  |
| Latitude | double |  |
| Longitude | double |  |
| Postal | string |  |
| RegionID | integer |  |
| RunOrder | integer |  |
| StopOrder | integer |  |
| StopPass | integer |  |
| StopTime | [TWEBTimeStamp](#_TWEBTimeStamp_1) |  |
| StreetPlace | string |  |

### TWebDriver

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| DriverID | string | XDS driver call number |
| Exceptions | [TExceptionsArray](#_TExceptionsArray) | list of exceptions. Avialable from b16 |
| DisqualifiedZones | [TZoneNameArray](#_TZoneNameArray) | list of banned zones. Avialable from b16 |
| FirstName | string | Driver’s first name |
| LastName | string | Driver’s last name |
| MobilePhone | string | Driver’s mobile phone number |
| VehicleColor | string | Car color (if signed in) |
| VehicleMake | string | Make of the vehicle (if signed in) |
| VehicleModel | string | Vehicle’s model (if signed in) |
| VehicleRegistration | string | License plate (if signed in) |
| VehicleType | string | Cab type name (if signed in) |

### TWebDriver\_2

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| ProviderID | integer |  |
| ProviderCode | string |  |
| CallNumber | string |  |
| Lat | double |  |
| Lon | double |  |
| LastGPSUpdate | [TWEBTimeStamp](#_TWEBTimeStamp_1) |  |
| EstimETA | [TWEBTimeStamp](#_TWEBTimeStamp_1) |  |

### TWebDriverList

Structure which is an array of TWebDriver

### TWebDriverList\_2

Structure which is an array of TWebDriver\_2

### TWEBFavotiteAddress

TWEBFavotiteAddress is derived from [TWEBAddress](#_TWEBAccountStatus). So it has all properties from [TWEBAddress](#_TWEBAccountStatus) and properties as specified below.

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| AddressAlias | string |  |

### TWebReport

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| AccountID | Int | Account ID. |
| FrDate | [TWEBTimeStamp](#TWEBTimeStamp) | From date range. |
| ToDate | [TWEBTimeStamp](#_TWEBTimeStamp_1) | To date range. |
| OrderID | Int | Order id. |
| RepFormat | [TRptFormat](#_TRptFormat) | An enum structure containing report format name. Currently only PDF and html are supported. |
| Filename | String | After the IBS populate report, it returns the report filename with full path. |

### TWEBTimeStamp

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| Year | integer | Year field |
| Month | integer | Month field |
| Day | integer | Day field |
| Hour | integer | Hour field |
| Minute | integer | Minute field |
| Second | integer | Second field |
| Fractions | integer | Fractions |

### TWebVehicle

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| CabNo | string | Vehicle number |
| CabType | string | type of cab |
| Color | string | Color |
| CompanyID | string | Company text code |
| Company\_ID | Integer | Company ID |
| DisqualifiedZones | [TZoneNameArray](#_TZoneNameArray_1) | banned zones list |
| Exceptions | [TExceptionsArray](#_TExceptionsArray) | vehicle exceptions |
| License | string | License No |
| Make | string |  |
| Model | string |  |
| Registration | string |  |
| TypeName | string |  |

### TZoneNameArray

Structure which is an array of string

# Common parameters

### Login

Type: String

Client application’s login ID to access IBS.

### Password

Type: String

Client application’s password to access IBS.

### CompanyID

Type: Integer

Company ID returned from GetProviders function. Use zero for using default company

# Appendix A: IBS Error Codes

**-1 Unknown error**

**-4 Empty Param**

**-5 Incorrect Param**

**-6 Database connection problem**

**-1000 Account Name not unique**

**-2000 Operation timeout**

**-3000 Action not allowed**

**-4000 Account ID not unique**

**-5000 Shared validation error**

**-6000 Duplicate reservation**

**-7000 Cannot assign taxi to order**

**-8000 Cancelling job error - reservation is already cancelled/completed**