API for online stores with Delivery.

Version 3.5.1

Contents

Introduction

Json format for data exchenge.
Web service adress **https://www.delivery-auto.com/api/v4**

The output parameters have the format:

```
{
  "status": true,
  "message": "",
  "data": Data
}
```

On a successful execution of the command status == true.

In case of an exception status == false, the `message` variable contains a message of the error.

Windows-1251 encoding must be used to enter fields in Cyrillic.

1. Representations

Representative offices are warehouses and offices of the company.

1.1 Getting a list of regions - method GetRegionList.

GET api/v4/Public/GetRegionList?culture={culture}&country={country}

Input parameters

Name	Data type	Default value	Description
Culture	String	uk-UA	Culture; Vaild values (en-US, uk-UA).
country	Integer?	null	Country id (1-Ukraine, null - all)

Output parameters

Represents as json. Collection of objects {id, name, externalId}.

id – region id

name – Region name

externalId – region Id

Output parameters format

application/json, text/json

Example:

```
{
    "status": true,
    "message": "",
    "data": [
      {
        "id": -1,
        "name": "УСІ",
        "externalId": "00000000-0000-0000-0000-000000000000"
      },
      {
        "id": 3898,
        "name": "Вінницька область",
        "externalId": "c8ad84fe-cf49-e211-9515-00155d012d0d"
      }
    ]
  }
```

1.2 Getting a list of cities – method GetAreasList.

GET api/v4/Public/GetAreasList?culture={culture}&fl_all={fl_all}&regionId={regionId}&country={country}&cityName={cityName}

Input parameters

Name	Data type	Default value	Description
culture	String	uk-UA	Culture; Valid values (en-US, uk-UA).
fl_all	Boolean	false	A flag that allows you to show all the cities where it is possible to provide company services (It is recommended to use with search by name [cityName field])
regionId	Integer?	null	Region Id
country	Integer?	null	Country Id (1-Ukraine, null - all)
cityName	String	null	A city name on selected in parameter “culture” language

Output parameters

Represents as json. Collection of objects {id, name, RegionId, IsWarehouse, ExtracityPickup, ExtracityShipping, RAP, RAS, regionName, regionId, country, districtName}.

id – city id

name – City name

RegionId – Region id

IsWarehouse – Warehouse flag (1 – there is a warehouse in the city)

ExtracityPickup – true = Executed out of city pick up

ExtracityShipping – true = Executed out of city delivery

RAP – true = Regional pick up

RAS – true = Regional delivery

regionName – regional name

regionId – region id

country – country code (1 – Ukraine)

districtName – district name

Output parameters format

application/json, text/json

Example:

```
{
  "status": true,
  "message": "",
  "data": [
    {
      "id": "08f54093-d12a-e311-8b0d-00155d037960",
      "name": "Авангард",
      "RegionId": "e4ad84fe-cf49-e211-9515-00155d012d0d",
      "IsWarehouse": true,
      "ExtracityPickup": false,
      "ExtracityShipping": false,
      "RAP": false,
      "RAS": false,
      "regionName": "Одеська область",
      "regionId": 3911,
      "country": 1,
      "districtName": "Овідіопольський"
    },
    {
      "id": "20f54093-d12a-e311-8b0d-00155d037960",
      "name": "Ананьїв",
      "RegionId": "e4ad84fe-cf49-e211-9515-00155d012d0d",
      "IsWarehouse": true,
      "ExtracityPickup": false,
      "ExtracityShipping": false,
      "RAP": false,
      "RAS": false,
      "regionName": "Одеська область",
      "regionId": 3911,
      "country": 1,
      "districtName": "Ананьївський"
    }
  ]
}
```

1.3 Getting a list of representatives - method GetWarehousesList.

GET api/v4/Public/GetWarehousesList?culture={culture}&includeRegionalCenters={includeRegionalCenters}&CityId={CityId}&RegionId={RegionId}&country={country}

Input parameters

Name	Data type	Default values	Description
Culture	String	uk-UA	Culture; Valid values (en-US, uk-UA)
includeRegionalCenters	Boolean	false	To display offices?
needCenterPickUpDelivery	Boolean	false	Show the warehouses only for pickup and delivery
CityId	Guid?	null	City Id
RegionId	Guid?	null	Region Id.
country	Integer?	null	Country Id (1-Ukraine, null - all)

Output parameters

Represents as json. Collection of objects {id, name, address, Latitude, Longitude, CityId, LatitudeCorrect, LongitudeCorrect, IsCashOnDelivery, CenterPickUpDelivery, Number}.

id – Warehouse id

name – Warehouse name

address – Warehouse address

Latitude – Latitude (incorrect, because it’s mixed up in places with the longtitude)

Longitude – Longtitude (incorrect, because it’s mixed up in places with the latitude)

CityId – City Id

LatitudeCorrect – Correct latitude

LongitudeCorrect – Correct longtitude

IsCashOnDelivery – Is there a transfer service at the warehouse

CenterPickUpDelivery – Is there a delivery pick up center at the warehouse

Number – Warehouse number

Output parameters format

application/json, text/json

Example:

```
  {
    "status": true,
    "message": "",
    "data": [
      {
          "id": "0945800b-ea75-eb11-81f8-000d3a20e396",
          "name": "АВАНГАРД",
          "address": "вул. Ангарська, 14-Р",
          "Latitude": 30.617662,
          "Longitude": 46.469537,
          "CityId": "08f54093-d12a-e311-8b0d-00155d037960",
          "LatitudeCorrect": 46.469537,
          "LongitudeCorrect": 30.617662,
          "IsCashOnDelivery": false,
          "CenterPickUpDelivery": false,
          "warehouseType": 0,
          "IsFranchising": true,
          "Number": 0
      },
      {
          "id": "bd0d6c49-6cb0-ea11-81cb-000d3a20e396",
          "name": "АНАНЬЇВ",
          "address": "вул. Незалежності,15",
          "Latitude": 29.958105,
          "Longitude": 47.717352,
          "CityId": "20f54093-d12a-e311-8b0d-00155d037960",
          "LatitudeCorrect": 47.717352,
          "LongitudeCorrect": 29.958105,
          "IsCashOnDelivery": false,
          "CenterPickUpDelivery": false,
          "warehouseType": 0,
          "IsFranchising": true,
          "Number": 0
      }
    ]
  }
```

1.4 Getting a detailed information about the representatives - method GetWarehousesInfo.

GET api/v4/Public/GetWarehousesInfo?culture={culture}&WarehousesId={WarehousesId}

Input parameters

Name	Data type	Default value	Description
Culture	String	uk-UA	Culture; Valid values (en-US, uk-UA).
WarehousesId	Guid	*	Representative Id.

Output parameters

Represents as json. Collection of objects {id, name, address, operatingTime, Phone, EmailStorage, Latitude, Longitude, LatitudeCorrect, LongitudeCorrect, Office, CityId, CityName, IsWarehouse, RcPhoneSecurity, RcPhoneManagers, RcPhone, RcName, WarehouseForDeliveryId, IsCashOnDelivery, WarehouseType, CenterPickUpDelivery, Number}.

id – Representative id
name – Representative name
address – Representative address
operatingTime – Representative worktime
Phone – Representative phone numbers
EmailStorage – Representative email
Latitude – Latitude (incorrect, because it’s mixed up in places with the longtitude)
Longitude – Longtitude (incorrect, because it’s mixed up in places with the latitude)
LatitudeCorrect – Correct latitude
LongitudeCorrect – Correct longtitude
Office – Sign of office
CityId – City id
CityName – City name
IsWarehouse – Is a warehouse
RcPhoneSecurity – Security phone number
RcPhoneManagers – Manager department phone number
RcPhone – Regional center phone number
RcName – Regional center name
WarehouseForDeliveryId – Warehouse for delivery
IsCashOnDelivery – Is there a transfer service at the warehouse
WarehouseType – Warehouse type
CenterPickUpDelivery – Is there a delivery pick up center at the warehouse
Number – Warehouse number

Output parameters format

application/json, text/json

Example:

```
{
 "status": true,
 "message": "",
 "data": {
 "id": "e627c8fd-d549-e211-9515-00155d012d0d",
 "name": "ОЛЕКСАНДРІЯ",
 "address": "вул. Діброви, 16",
 "operatingTime": "ПН-ПТ: 9:00-18:00, СБ: 9:00-15:00",
 "Phone": "(067) 620-72-76, (05235) 7-12-44",
 "EmailStorage": "als@delivery-auto.com.ua",
 "Latitude": 33.1150260000,
 "Longitude": 48.6727020000,
 "latitudeCorrect": 48.6727020000,
 "longitudeCorrect": 33.1150260000,
 "Office": false,
 "CityId": "1e8e7257-a82a-e311-8b0d-00155d037960",
 "CityName": "Олександрія",
 "IsWarehouse": true,
 "RcPhoneSecurity": "(067) 627-67-95",
 "RcPhoneManagers": "(047) 444-63-99",
 "RcPhone": "(047) 444-63-99",
 "RcName": "Центральний регіональний центр - 2",
 "WarehouseForDeliveryId": null",
 "IsCashOnDelivery": true,
 "WarehouseType": 3,
  "CenterPickUpDelivery": false,
  "Number": 0
  }
 }
```

1.5 Getting a list of the warehouses - method GetWarehousesListByCity.

GET api/v4/Public/GetWarehousesListByCity?CityId={CityId}&DirectionType={DirectionType}&culture={culture}

Input parameters

Name	Data type	Default value	Descriptpion
CityId	Guid	*	City Id
DirectionType	Integer	*	Direction type: 0 – departure warehouses, 1 – receiving warehouses.
culture	String	uk-UA	Culture; Valide values (en-US, uk-UA).

Output parameters

Represents as json. Collection of objects {id, name, address, operatingTime, Phone, EmailStorage, Latitude, Longitude, LatitudeCorrect, LongitudeCorrect, Office, CityId, CityName, IsWarehouse, RcPhoneSecurity, RcPhoneManagers, RcPhone, RcName, WarehouseForDeliveryId, IsCashOnDelivery, WarehouseType, CenterPickUpDelivery, Number}.

id – Represntative id
name – Representative name
address – Representative address
operatingTime – Representative work time
Phone – Representative phone numbers
EmailStorage – Representative email
Latitude – Latitude (incorrect because it’s messed up in places with the longtitude)
Longitude – Longtitude (incorrect because it’s messed up in places with the latitude)
LatitudeCorrect – Correct latitude
LongitudeCorrect – Correct longtitude
Office – Sign of office
CityId – City id
CityName – City name
IsWarehouse – Is a warehouse
RcPhoneSecurity – Security phone number
RcPhoneManagers – Managers phone number
RcPhone – Regional center phone number
RcName – Regional center name
WarehouseForDeliveryId – Delivery warehouse
IsCashOnDelivery – Is there a transfer service at the warehouse
WarehouseType – Warehouse type
CenterPickUpDelivery – Is there a delivery pick up center at the warehouse

Number – Warehouse number

Output parameters format

application/json, text/json

Example:

```
{
 "status": true,
 "message": "",
 "data": {
 "id": "e627c8fd-d549-e211-9515-00155d012d0d",
 "name": "ОЛЕКСАНДРІЯ",
 "address": "вул. Діброви, 16",
 "operatingTime": "ПН-ПТ: 9:00-18:00, СБ: 9:00-15:00",
 "Phone": "(067) 620-72-76, (05235) 7-12-44",
 "EmailStorage": "als@delivery-auto.com.ua",
 "Latitude": 33.1150260000,
 "Longitude": 48.6727020000,
 "latitudeCorrect": 48.6727020000,
 "longitudeCorrect": 33.1150260000,
 "Office": false,
 "CityId": "1e8e7257-a82a-e311-8b0d-00155d037960",
 "CityName": "Олександрія",
 "IsWarehouse": true,
 "RcPhoneSecurity": "(067) 627-67-95",
 "RcPhoneManagers": "(047) 444-63-99",
 "RcPhone": "(047) 444-63-99",
 "RcName": "Центральний регіональний центр - 2",
 "WarehouseForDeliveryId": null",
 "IsCashOnDelivery": true,
 "WarehouseType": 3,
 "CenterPickUpDelivery": false,
 "Number": 0
 }
}
```

1.6 Search for the nearest representatives - method GetFindWarehouses.

GET api/v4/Public/GetFindWarehouses?culture={culture}&Longitude={Longitude}&Latitude={Latitude}&count={count}&includeRegionalCenters={includeRegionalCenters}&CityId={CityId}

Input parameters

Name	Data type	Default type	Description
Culture	String	uk-UA	Culture; Valid values (en-US, uk-UA).
Longitude	Double	*	Point longtitude, from which the search is executed
Latitude	Double	*	Point latitude, from which the search is executed

Name	Data type	Default type	Description
Count	Integer	1	The number of representatives returned in order of increasing distance from the specified point.
includeRegionalCenters	Boolean	false	To display offices.
CityId	Guid?	null	City Id
Type	Integer?	null	Warehouse type (0-warehouse, 3-transfer warehouse)
Country	Integer?	null	Country Id (1-Ukraine, null - all)

Output parameters

Represents as json. Collection of objects {id, name, distance, latitude, longitude, LatitudeCorrect, LongitudeCorrect, cityName, address, IsWarehouse, Phone, working_time, WarehouseType, IsRegionalCentre, Number}.

id – Representative id
name – Representative name
distance – Distance from specified point
latitude – Latitude (incorrect because it’s mixed up in places with the longtitude)
longitude – Logtitude (incorrect becouse it’s mixed up in places with the latitude)
latitudeCorrect – Correct latitude
longitudeCorrect – Correct longtitude
cityName – City name
address – Warehouse address
IsWarehouse – Is a warehouse
phone – Warehouse phone number
working_time – Work time
WarehouseType – 0 - warehouse, 3 - transfer warehouse
IsRegionalCentre – Is a regional center
Number – Warehouse number

Output parameters format

application/json, text/json

Example:

```
{
 "status": true,
 "message": "",
 "data": [
   {
     "id": "11fb447a-4a97-e411-bf7a-000d3a200160",
     "name": " КУРАХОВЕ",
     "distance": 20.7,
     "longitude": 47.9902660000,
     "latitude": 37.2778887000,
     "longitudeCorrect": 37.2778887000,
     "latitudeCorrect": 47.9902660000,
     "cityName": "Курахове",
     "address": " вул. Грушева, 9/1",
     "IsWarehouse": true,
     "phone": "0675578925,
     "working_time": "ПН-ПТ 9:00-18:00, СБ 9:00-17:00",
     "WarehouseType": 3,
     "IsRegionalCentre": false
     "Number": 0
   }
 ]
}
```

1.7 Getting a list of the representatives with detailed information about a city - method GetWarehousesListInDetail.

GET api/v4/Public/GetWarehousesListInDetail?culture={culture}&CityId={CityId}&onlyWarehouses={onlyWarehouses}&country={country}

Input parameters

Name	Data type	Default value	Description
culture	String	uk-UA	Culture; Valid values (en-US, uk-UA).
CityId	Guid?	null	City Id.
onlyWarehouses	Boolean	false	Flag – warehouses only
includeRegionalCenters	Boolean	true	Show offices
needCenterPickUpDelivery	Boolean	true	Show the warehouses only for pickup and delivery
country	Integer?	null	Country Id (1-Ukraine, null - all)

Output parameters

Represents as json. Collection of objects {id, name, address, operatingTime, Phone, EmailStorage, latitude, longitude, latitudeCorrect, longitudeCorrect, Office, CityId, CityName, IsWarehouse, RcPhoneSecurity, RcPhoneManagers, RcPhone, RcName, WarehouseForDeliveryId, IsCashOnDelivery, WarehouseType, CenterPickUpDelivery, Number}.

id – Representative id
name – Representative name
address – Representative address
operatingTime – Representative work time
Phone – Representative phone numbers
EmailStorage – Representative Email
latitude – Latitude (incorrect because it’s mixed up in places with longtitude)

longitude – Longtitude (incorrect because it’s mixed up in playses with latitude)
latitudeCorrect – Correct latitude
longitudeCorrect – Correct longtitude
Office – Sign of office
CityId – City id
CityName – City name
IsWarehouse – Is a warehouse
RcPhoneSecurity – Security phone number
RcPhoneManagers – Managers phone number
RcPhone – Regional center phone number
RcName – Regional center phone number
WarehouseForDeliveryId – Delivery warehouse Id
IsCashOnDelivery – Is there a transfer service at the warehouse
WarehouseType – Warehouse type
CenterPickUpDelivery – Is there a pick up center at the warehouse
Number – Warehouse number

Output parameters format

application/json, text/json

Example:

```
{
 "status": true,
 "message": "",
 "data": [
   {
     "id": "1c828aa6-70c8-e211-9902-00155d037919",
     "name": " АВДІЇВКА",
     "address": "пр. Індустріальний, 1",
     "operatingTime": "ПН-ПТ 9:00-18:00, СБ 9:00-15:00",
     "Phone": "0676959349
     "EmailStorage": "avdiyivka@delivery-auto.com.ua",
     "latitude": 37.7081000000,
     "longitude": 48.1624700000,
     "latitudeCorrect": 48.1624700000,
     "longitudeCorrect": 37.7081000000,
     "Office": null,
     "CityId": "4fc948a7-3729-e311-8b0d-00155d037960",
     "CityName": " Авдіївка",
     "IsWarehouse": true,
     "RcPhoneSecurity": "(044) 238-88-56",
     "RcPhoneManagers": "(067) 627-67-58",
     "RcPhone": null,
     "RcName": " Східний регіональний центр - 1",
     "WarehouseForDeliveryId": null,
     "IsCashOnDelivery": true,
     "WarehouseType": 3,
     "CenterPickUpDelivery": false,
     "Number": 0
   }
 ]
}
```

2. Receipts

2.1 Search for a receipt - method GetReceiptDetails.

GET api/v4/Public/GetReceiptDetails?culture={culture}&number={number}

Input parameters

Name	Data type	Default value	Description
culture	String	uk-UA	Culture; Valid values (en-US, uk-UA).
number	String	*	Receipt number

Output parameters

Represnts json. Collection of objects {id, number, SendDate, ReceiveDate, CreatedData, SenderWarehouseName, RecepientWarehouseName, Discount, TotalCost, Status, Weight, Volume, Sites, PaymentStatus, Currency, InsuranceCost, InsuranceValue, InsuranceCurrency, PushStateCode, CodCost, CodCurrency, Type, SenderPhone, ReceiverPhone, CitySendName, CityReceiveName, DeliveryType, StatusesDecoding, SafetyDealMoneyStatus, InsuranceInfo}.

id – Receipt id
number – Receipt number
SendDate – Dispatch date
ReceiveDate – Receiving date
CreatedData – Creation date
SenderWarehouseName – Dispatch warehouse
RecepientWarehouseName – Receiving warehouse
Discount – Discount amount
TotalCost – Receipt total cost
Status – Receipt current status
Weight – Cargo total weight
Volume – Cargo volume
Sites – Amount of sites
PaymentStatus – Payment status
Currency – Receipt currency
InsuranceCost – Insurance cost
InsuranceValue – Declared value
InsuranceCurrency – Insurance currency
PushStateCode – Dispatch status
CodCost – Transfer amount
CodCurrency – Transfer currency
Type – Receipt type (see directory 8.4)
Mainbillid – Main receipt id
Mainbill – Main receipt number
SenderPhone – Sender’s phone number
ReceiverPhone – Receiver phone number
CitySendName – Sender’s city
CityReceiveName – Receiver city
DeliveryType – Delivery scheme (see paragraph 3.5)

StatusesDecoding – Receipt status
SafetyDealMoneyStatus – Safe deal cash status

Output paramters format

application/json, text/json

Example:

```
{
 "status": true,
  "message": "",
 "data": {
   "id": "045905c9-b17b-4ccb-8e85-8ec7f5b548e2",
   "number": "0830047053",
   "SendDate": "2014-06-05T09:54:20",
   "ReceiveDate": "2014-06-07T09:54:20",
   "CreatedDate": "2014-06-05T06:52:50",
   "SenderWarehouseName": "КИЇВ-02",
    "RecepientWarehouseName": "ЧЕРНІВЦІ-2",
    "Discount": 0.0,
    "TotalCost": 24.500,
    "Status": 0,
    "Weight": 4.0,
    "Volume": 0.07,
    "Sites": "1",
    "cargoCategory": "",
    "PaymentStatus": true,
    "Currency": 100000000,
    "InsuranceCost": null,
    "InsuranceValue": null,
    "InsuranceCurrency": null,
    "PushStateCode": null,
    "codCost": null,
    "codCurrency": null,
    "Type": 2,
    "DateArrivalExpress": null,
    "SenderPhone": null,
    "ReceiverPhone": null,
    "CitySendName": null,
    "CityReceiveName": null,
    "DeliveryType": null,
    "StatusesDecoding": "Видана",
    "codSender": null,
    "SafetyDealMoneyStatus": null,
    "InsuranceInfo": null
  }
}
```

2.2 Delivery time calculation - method GetDateArrival.

GET api/v4/Public/GetDateArrival?areasSendId={areasSendId}&areasResiveId={areasResiveId}&dateSend={dateSend}&currency={currency}&warehouseSendId={warehouseSendId}&warehouseResiveId={warehouseResiveId}

Input parameters

Name	Data type	Default value	Description
areasSendId	Guid	*	Sender’s city Id.
areasResiveId	Guid	*	Arrival city Id.
dateSend	String	*	Dispatch date.
currency	Integer	100000000 (hryvnia)	Currency code.
warehouseSendId	Guid?	null	Dispatch warehouse id.
warehouseResiveId	Guid?	null	Arrival warehouse id.

Output parameters

Represents as json. Collection of objects {arrivalDate}.

arrivalDate – Arrival date in format YYYY-MM-DDThh:mm:ss±hh
sendDate – Dispatch date in format YYYY-MM-DDThh:mm:ss±hh
arrivalDateStr – Arrival date in format DD.MM.YYYY
sendDateStr – Dispatch date in format DD.MM.YYYY

Output parameters format

application/json, text/json

Example:

```
{
  "status": true,
  "message": "",
  "data": {
    "arrivalDate": "2021-09-20T16:00:00+03:00",
    "sendDate": "2021-09-17T20:00:00+03:00",
    "weightSummary": null,
    "volumeSummary": null,
    "arrivalDateStr": "20.09.2021",
    "sendDateStr": "17.09.2021"
  }
}
```

3. Transportation cost calculation

3.1 Data models for information exchange:

```
    class CalculatorModel //Main calculator model
    {
        string senderId; //Sender’s id for calculations taking into account own discounts
        string culture; //Culture
        string areasSendId; //Dispatch city id
        string areasResiveId; //Receiving city id
        string warehouseSendId; //Dispatch warehouse id
        string warehouseResiveId; //Receipt warehouse id
        string areasSendIdName; //Dispatch city name
        string areasResiveIdName; //Receiving city name
        string warehouseSendIdName; //Dispatch warehouse name
        string warehouseResiveIdName; //Receiving warehouse name
        double CashOnDeliveryValue; //Transfer amount
        int CashOnDeliveryValuta; //Transfer currency
        double InsuranceValue; //Cargo insurance value
        decimal InsuranceCost; //Insurance cost
        DateTime? dateSend; //Dispatch date
        DateTime? dateResive; //Receiving date
        int climbingToFloor; //Delivery to the floor
        int descentFromFloor; //Descent from the floor
        int deliveryScheme; //Delivery scheme
        List<CategoryModel> category; //Enumerations of cargo categories
        List<DopUslugaClassificationModel> dopUslugaClassificator; //Enumarations of
add. services
        decimal? categorySumma;
        decimal? allSumma; //Total shipping cost
        bool status; //Settlement status
        bool denyIssue; //Prohibition of issuance
        bool EconomDelivery; //Economy delivery, flag
        bool EconomPickUp; //Economy pick up, flag
        bool IsGidrobort; //Tail lift, flag
        bool IsOverSize; //Oversized, flag
        bool isPostomat; //Prohibition of issuance, flag
        string comment; //Settlement description
        decimal? SummaryTransportCost; //Warehouse-warehouse shippment cost
        decimal? SummaryDuCost; //Add. Services cost
        decimal? SummaryOformlenieCost; //Formalization cost
        int currency; //Currency
        int viewType;
    }
    class CategoryModel //Cargo category model
    {
        string categoryId; //Cargo category id
        string categoryIdName; //Cargo category name
        int classification;
        int countPlace; //Amount of places
        double? helf; //Weight (kilograms [kg])
        double? size; //Wolume (cubic metres [m³])
        int? height; //Height (centimeters [cm])
        int? lenght; //Length (centimeters [cm])
        int? width; //Width (centimeters [cm])
        double? helfTarif; //Tariff per kg
        double? egTarif; //Tariff per unit of cargo
        double? oformlenie; //Formalization cost per place
        double? oformlenieCost; //The total cost of formalization
        double? deliveryCost; //Shipment cost
        double? documentCost;
        string comment; //Settlement progress
    }
    public class DopUslugaClassificationModel //Add. Services category model
    {
        int classification; //Category code
        string name; //Category name
        List<DopUslugaModel> dopUsluga; //Enumeration of add. services
    }
    public class DopUslugaModel //Add. service model
    {
        string uslugaId; //Add. service id
        string name; //Add. service name
        decimal? cost; //Add. service name
        int count; //Amount of services
        int classification;
        decimal? minWidth; //Minimal weight
        decimal? maxWidth; //Maximal weight
        decimal summa; //Add. service total cost
        string comment;
       int currency; //Currency
     }
```

3.2 Add. services and their included add. services categories directory output - method GetDopUslugiClassification.

GET api/v4/Public/GetDopUslugiClassification?culture={culture}&currency={currency}&CitySendId={CitySendId}&CityReceiveId={CityReceiveId}&formalization={formalization}

Input parameters

Name	Data type	Default value	Description
culture	String	uk-UA	Culture; Valid values (en-US, uk-UA).
currency	Integer	100000000	Currency code
CitySendId	Guid	*	Dispatch city id
CityReceiveId	Guid	*	Receipt city id.
formalization	Boolean	false	To display add. services for a cost calculation (false) or for a registration (true).

Output parameters

Represents as json. Collection of objects DopUslugaClassificationModel

Output parameters format

application/json, text/json

Example:

```
{
  "status": true,
  "message": "",
  "data": [
    {
      "classification": 100000005,
      "name": "Пакувальні матеріали",
      "dopUsluga": [
        {
          "uslugaId": "2b4247c9-be8c-e211-be60-00155d037919",
          "name": "Доупаковка MAXI",
          "cost": 9.00000000,
          "count": 0,
          "classification": 0,
          "minWidth": null,
          "maxWidth": null,
          "summa": 0.0,
          "comment": null
          "currency": 100000001
        },
        {
          "uslugaId": "3e9cde5d-bf8c-e211-be60-00155d037919",
          "name": "Доупаковка MIDI",
          "cost": 6.00000000,
          "count": 0,
          "classification": 0,
          "minWidth": null,
          "maxWidth": null,
          "summa": 0.0,
          "comment": null
           "currency": 100000001
        }
      ]
    }
  ]
}
```

3.3 Tariff categories directory output - method GetTariffCategory.

GET api/v4/Public/GetTariffCategory?CitySendId={CitySendId}&CityReceiveId={CityReceiveId}&WarehouseReceiveId={WarehouseReceiveId}&culture={culture}

Input parameters

Name	Data type	Default value	Description
culture	String	uk-UA	Culture; Valid values (en-US, uk-UA).
CitySendId	Guid	*	Dispatch city.
CityReceiveId	Guid	*	Receipt city.
WarehouseReceiveId	Guid	*	Receipt warehouse.

Output parameters

Represents as json. Collection of objects {id, name, MaxWidth, MaxSize, MinSize, MinWidth, Length, Width, Height, RequiredWeight, RequiredSize}

Id – Tariff category id

name – Tariff category name

MinWidth – Minimal weight

MaxSize – Maximal size

MinSize – Minimal size

MaxWidth – Maximal weight

Length – Length

Width – Width

Height – Height

RequiredWeight – Allowed weight

RequiredSize – Allowed size

Output parameters format

application/json, text/json

Example:

```
{
  "status": true,
  "message": "",
  "data": [
    {
      "MinWidth": null,
      "MaxWidth": null,
      "MinSize": null,
      "MaxSize": null,
      "Length": null,
      "Width": null,
      "Height": null,
      "RequiredWeight": null,
      "RequiredSize": null,
      "id": "00000000-0000-0000-0000-000000000000",
      "name": "Вантаж"
    },
    {
      "MinWidth": 0.0000,
      "MaxWidth": 2000.0000,
      "MinSize": 0.4100,
      "MaxSize": 2.4000,
      "Length": null,
      "Width": null,
      "Height": null,
      "RequiredWeight": true,
      "RequiredSize": true,
      "id": "62c7b796-e648-e211-ab75-00155d012d0d",
      "name": "\"Американка-1\" 1,0м x 1,2м x 2м"
    }

  ]
}
```

3.4 Getting cargo categories - method GetCargoCategory.

GET api/v4/Public/GetCargoCategory?TariffCategoryId={TariffCategoryId}&culture={culture}

Input parameters

Name	Data type	Default value	Description
TariffCategoryId	Guid	null	Tariff category id.
culture	String	uk-UA	Culture; Valid values (en-US, uk-UA).

Output parameters

Output parameters format

application/json, text/json

Example:

In json format.

```
{
  "data": [
    {
      "id": "0f07d03b-9e36-e311-8b0d-00155d037960",
      "name": "Документи"
    }
  ],
  "status": true,
  "message": ""
}
```

In xml format.

```
<ApiResult>
    <status>true</status>
    <message/>
    <data>
          <DirectoryItem>
                <id>0f07d03b-9e36-e311-8b0d-00155d037960</id>
                <name>Документи</name>
          </DirectoryItem>
    </data>
</ApiResult>
```

3.5 Delivery schemes directory output - method GetDeliveryScheme.

GET api/v4/Public/GetDeliveryScheme?CitySendId={CitySendId}&CityReceiveId={CityReceiveId}&WarehouseReceiveId={WarehouseReceiveId}&culture={culture}

Input parameters

Name	Data type	Default Value	Description
culture	String	uk-UA	Culture; Valid values (en-US, uk-UA).
CitySendId	Guid	*	Dispatch city id.
CityReciveId	Guid	*	Receipt city id.
WarehouseReceiveId	Guid	*	Receipt warehouse id.

Output parameters

Represents as json. Collection of objects {id,name }

Id – Delivery scheme id

name – Delivery scheme name

Output parameters format

application/json, text/json

Example:

```
{
  "status": true,
  "message": "",
  "data": [
    {
      "name": "Warehouse-Warehouse",
      "id": 0
    },
    {
      "name": "Door-Door",
      "id": 1
    },
    {
      "name": "Warehouse-Door",
      "id": 2
    },
    {
      "name": "Door-Warehouse",
      "id": 3
    }
  ]
}
```

3.6 Cost of transportation calculation - method PostReceiptCalculate.

POST api/v4/Public/PostReceiptCalculate

Input parameters

Name	Data type	Description
input	CalculatorModel (see par. 3.1)	Model that describes input and output parameters of the calculator.

Input parameters format:

```
{
        "senderId": "00000000-0000-0000-0000-000000000000", //Sender’s Id
        "culture": "uk-UA", //Culture
        "areasSendId": "4fc948a7-3729-e311-8b0d-00155d037960", //Dispatch city
        "areasResiveId": "e3ac6f68-3529-e311-8b0d-00155d037960", //Arrival city
        "warehouseSendId": "1c828aa6-70c8-e211-9902-00155d037919", //Dispatch warehouse
        "warehouseResiveId": "d908c5e1-b36b-e211-81e9-00155d012a15", //Arrival warehouse
        "InsuranceValue": 1000000, //Cargo insurance cost
        "CashOnDeliveryValue": 5000, //Transfer cost
        "dateSend": "06.06.2014", //Dispatch date
        "deliveryScheme": 2, //Delivery scheme
        "category": [ //Cargo categories array
        {
                "categoryId": "00000000-0000-0000-0000-000000000000", //Cargo category id
```

```
             "countPlace": 1, //Amount of places
             "helf": 1, //Cargo weight
             "size": 1 //Cargo size
      }],
      "dopUslugaClassificator": [
      {
            "dopUsluga": [ //Add. services array
             {
                   "uslugaId": "2b4247c9-be8c-e211-be60-00155d037919", //Add. service id
                    "count": 1 //Amount of add. services
             },
             {
                   "uslugaId": "3e9cde5d-bf8c-e211-be60-00155d037919",
                    "count": 5
             }]
      }]
}
-------------------------------------------------------------------------------------------
{
      "senderId": "00000000-0000-0000-0000-000000000000",
      "culture": "uk-UA",
      "areasSendId": "d2ea868c-2829-e311-8b0d-00155d037960",
      "areasResiveId": "A8FA4093-D12A-E311-8B0D-00155D037960",
      "warehouseSendId": "dd3a6d45-b249-e211-ab75-00155d012d0d",
      "warehouseResiveId": "A3F0FA22-8C43-E211-B182-00155D037A52",
      "InsuranceValue": 1000000,
      "CashOnDeliveryValue": 5432,
      "dateSend": "06.06.2014",
      "deliveryScheme": 0,
      "category": [
      {
            "categoryId": "00000000-0000-0000-0000-000000000000",
            "countPlace": 1,
            "helf": 11,
            "size": 0.11
      },
      {
            "categoryId": "00000000-0000-0000-0000-000000000000",
            "countPlace": 1,
            "helf": 12,
            "size": 0.12
      }
      ]
}
```

Output parameters

Output parameters format

application/json, text/json

Example:

```
{
   "status": true,
   "message": "",
   "data":
          {
     "SummaryTransportCost":230, //Warehouse-warehouse transportation cost
     "SummaryDuCost":99, //Add. services cost
     "SummaryOformlenieCost":1.5, //Formalization cost
     "EconomyVesovojTarifValuta: 16.5, //Saving by weight tariff
     "EconomyEconomTarifValuta": 0, //Saving by econom-tariff
     "EconomySpecTarifValuta": 0, //Saving by special tariff
     "EconomyIndTarifValuta": 0, //Saving by individual tariff
     "EconomyGlobalDiscountValuta": 0, //Saving by global discount
     "EconomyDiscountCardValuta": 0, //Saving by discount card
     "EconomyAktsiyaValuta": 0, //Saving by direction/warehouse discount
     "EconomyOnAmountSkidka":0, //Saving by discount amount
     "EconomySummary": 16.5, //Total savings on receipt
     "ComissionGM":100, ,//Transfer commission: 2% from amount + 20 hrn
     "culture":"uk-UA", //Culture
     "calcType":null,
     "areasSendId":"4fc948a7-3729-e311-8b0d-00155d037960", //Dispatch city id
     "areasResiveId":"e3ac6f68-3529-e311-8b0d-00155d037960", //Arrival city id
     "warehouseSendId":"1c828aa6-70c8-e211-9902-00155d037919", //Dispatch warehouse id
     "individualTarifId":null, //Individual tariff id
     "warehouseResiveId":"d908c5e1-b36b-e211-81e9-00155d012a15", //Arrival warehouse id
     "areasSendIdName":"Авдіївка", //Dispatch city name
     "areasResiveIdName":"Бахмут", //Arrival city name
     "warehouseSendIdName":"АВДІЇВКА", //Dispatch warehouse name
     "warehouseResiveIdName":"БАХМУТ", //Arrival warehouse name
     "InsuranceValue":1000000, //Cargo insurance value
     "InsuranceCost":4000, //Insurance cost
     "dateSend":"01.06.2014", //Dispatch date
     "dateResive":"04.06.2014", //Receiving date
     "deliveryScheme":2, //Delivery scheme
     "category":[ //Categories array
     {
            "categoryId":"00000000-0000-0000-0000-000000000000", //Cargo category id
            "cargoCategoryId":null, //Dispatch cargo category
            "categoryIdName":"Вантаж", //Cargo category name
            "cargoCategoryIdName":"", //Dispatch cargo name
            "classification":0, //Category code
            "countPlace":1, //Amount of places
```

```
           "helf":1, //Weight
           "size":1, //Size
           "height":0, //Height
           "lenght":0, //Length
           "width":0, //Width
           "helfTarif":0.98, //Weight tariff
           "egTarif":230, //Tariff per unit of cargo
           "oformlenie":1.5, //Formalization cost
           "oformlenieCost":1.5, //Formalization total cost
           "deliveryCost":230, //Delivery cost
           "documentCost":230,
           "comment":"Расчет по общему тарифу за объем\r\n
         Стоимость перевозки составляет 230,00(грн./м3)*1,0000(м3) = 230,00 грн.\r\n
         При скидке в 0% сумма перевозки со скидкой составляет 230,00 грн.\r\n"
           "isEconom":false, //Economical but longer delivery
           "isExpress":false, //Express delivery?
           "isIndividual":null, //Individual tariff?
           "PartnerNumber":null, //Partner’s declaration number
           "weightSummary":1, //Total weight
           "volumeSummary":1 //Total size
    }],
    "dopUslugaClassificator":[ //Add. services categories array
      {
          "classification":100000005, //Category code
          "name":"Пакувальні матеріали", //Category name
          "dopUsluga":[ //Add. services array inside category
          {
                "uslugaId":"2b4247c9-be8c-e211-be60-00155d037919", //Add. service id
                "name":"Доупаковка MAXI", //Add. service name
                "cost":9.00000000, //Add. service cost
                "count":1, //Amount of add. services
                "classification":100000005, //Category code
                "minWidth":null, //Minimal weight
                "maxWidth":null, //Maximal weight
                "summa":9, //Add. service total cost
                "comment":null
          },
          {
                "uslugaId":"3e9cde5d-bf8c-e211-be60-00155d037919",
                "name":"Доупаковка MIDI",
                "cost":6.00000000,
                "count":5,
                "classification":100000005,
                "minWidth":null,
                "maxWidth":null,
                "summa":30,
                "comment":null
          }]
      },
      {
          "classification":100000014,
          "name":"Забор/доставка",
           "dopUsluga":[
           {
                 "uslugaId":"5bfb9362-04a9-e211-9619-00155d037919",
                 "name":"Доставка до 500 кг",
                 "cost":60.00000000,
                 "count":1,
                 "classification":100000014,
                 "minWidth":null,
                 "maxWidth":null,
                 "summa":60,
                 "comment":null
           }]
      }],
      "categorySumma":null,
      "allSumma":4330.5, //Total delivey cost
      "status":true, //Execution status
      "comment":"Рассчет по общему тарифу за объем в ТЗ 1
                 Стоимость перевозки составляет 645,0000(грн./м3)*1,0000(м3) = 645,00
    грн.
                 При скидке в 0,00% сумма перевозки со скидкой составляет 645,00 грн.
                 В стоимость квитанции включена доп.услуга 'Доупаковка MAXI-Прозрачная
                 (стрейч 3м, скотч 4м, гофрокартон 1м)' количеством 1 ед.
                 Общая сумма заказанной доп.услуги = 22,00 грн.
                 В стоимость квитанции включена доп.услуга 'Доупаковка MIDI-Прозрачная
                 (стрейч 2м, скотч 2м, гофрокартон 0,5м)' количеством 5 ед.
                 Общая сумма заказанной доп.услуги = 90,00 грн.
                 В стоимость квитанции включена доп.услуга
                 'Доставка груза от 101 кг до 300 кг' количеством 1 ед.
                 Общая сумма заказанной доп.услуги = 130,00 грн.
                 В стоимость квитанции включена доп.услуга
                 'Оформление багажа' количеством 1 ед.
                 Общая сумма заказанной доп.услуги = 3,00 грн.
                 В стоимость квитанции включена доп.услуга
                 'Услуга наложенного платежа' количеством 1 ед.
                 Общая сумма заказанной доп.услуги = 10,00 грн.
                 Стоимость перевозки склад-склад 645,00 грн.
                 Стоимость перевозки склад-склад со скидкой 645,00 грн.
                 Стоимость доп.услуг: 255,00 грн.
                 Стоимость страхования: 4000,00 грн.
                 Общая стоимость квитанции: 900,00 грн.
                 Стоимость транспортно-экспедиционных услуг округлена до 1,00 грн.
                 Стоимость услуги страхования округлена до 1,00 грн. ",
                 "viewType":0,
                 "currency":100000000       //Currency code
     }
}
```

3.7 Getting the cost of insurance - method GetInsuranceCost.

GET api/v4/Public/GetInsuranceCost?CitySendId={CitySendId}&CityReceiveId={CityReceiveId}&WarehouseSendId={WarehouseSendId}&WarehouseReceiveId={WarehouseReceiveId}&InsuranceValue={InsuranceValue}&PaymentType={PaymentType}&InsuranceCurrency={InsuranceCurrency}

Input parameters

Name	Data type	Default value	Description
CitySendId	Guid?	null	Dispatch city id.
CityReceiveId	Guid?	null	Receipt city id.
WarehouseSendId	Guid	*	Dispatch warehouse id.
WarehouseReceiveId	Guid	*	Receipt warehouse id.
InsuranceValue	Double	*	Declared cargo cost.
PaymentType	Boolean	*	Payment type (false – cash/true – non-cash)
InsuranceCurrency	Integer	100000000	Insurance payment currency.

Output parameters

Output parameters format

application/json, text/json

Represents as json. Collection of objects {id,name }

Value – Insurance value

MinValue – Declared cargo minimal cost for the direction

Example:

In json format.

```
{
  "Value": 40.0,
  "MinValue": 10000.0,
  "status": true,
  "message": null
}
```

4. Communication with the user

4.1 Data models for the information exchange:

```
public class RateServicesModel
{
        Guid OfficeId; //Reresentative id
         int WarehosePlacing; //Warehouse location
        int CargoReceiveSpeed; //Cargo receiving speed
        int CargoOutputSpeed; //Cargo output speed
        int DocumentsIssuanceSpeed; //Documents formalization speed
        int DeliverySpeed; //Cargo delivery speed
        int TarrifsRate; //Transportation tariff (warehouse-warehouse)
        int CargoLoadTarrifs; //Cargo loading-delivery tariffs
        int WorkersCulture; //Warehouse service workers culture
        int QualityInGeneral; //Branch services quality in general
        string YourRecomendations; //Your wishes and recommendations
        string ClientNumber; //Client’s barcode
        string Name; //Client’s name
        string LastName; //Client’s last name
        string SecondName; //Client’s patronymic
        string Phone; //Client’s phone number
        string Email; //Client’s email
        string CompanyName; //Company name
 }


 class PickUpCargoModel
 {
        string ContactName; //The contact person
        string Name; //Organization name/Full name
        string PhoneNumber; //Phone number
        string Email; //Email
        string Area; //Area
        string City; //City
        string Address; //Address
        string AccessMode; //Presence of access mode
        int? Weight; //Cargo weight
        int? Size; //Cargo size
        int? Quantity; //Amount of places
        string Date; //Loading date
        string Time; //Desired time
        string Note; //Note
        bool? IsFloor; //Descent from the floor?
        string Floor; //Floor
        sting ToCity; //Receipt city
 }

 class ContactsMessageModel
 {
        string ReceiptNumber; //Receipt number
        string Name; //Full name
        string Phone; //Phone number
        string Email; //Email
        string Subject; //Subject of message
         Guid? Warehouse //Warehouse id
        string Message; //Message
        string CategoryName; //Message category name
 }
```

4.2 Getting company news - method GetNews.

GET api/v4/Public/GetNews?culture={culture}&count={count}&page={page}

Input parameters

Name	Data type	Default value	Description
culture	String	uk-UA	Culture; Valid values (en-US, uk-UA).
count	Integer	1	Amount of returning records on page
page	Integer	1	News page number.

Output parameters

Represents as json. Collection of objects {NewsItemId, Title, ShortContent, Content, PublishDate, ImageName, ImageUrl, ImageContent, WarehousesId}.

NewsItemId – News id
Title – News title
ShortContent – Brief content of the news
Content – Content of the news
PublishDate – Publication date
ImageName – Image name
ImageUrl – Image link
ImageContent – Image file content
WarehousesId – Warehouse id

Output parameters format

application/json, text/json

Example:

```
{
  "status": true,
  "message": "",
  "data": [
    {
         "NewsItemId": 133905,
         "Title": "Відновлення роботи представництва у м. Рогатин",
         "ShortContent": "Відновлення роботи представництва у м. Рогатин",
         "Content": "<p><span style=\"font-size:14px\"><span style=\"font-family:arial,helvetica,sans-serif\">Шановні клієнти!</span></span></p>\r\n\r\n<p><span style=\"font-size:14px\"><span style=\"font-family:arial,helvetica,sans-serif\">3 14 березня&nbsp;<strong>відновлює роботу</strong>&nbsp;<strong>відділення&nbsp;</strong><strong>у</strong>&nbsp;<strong>м.</strong>&nbsp;<strong>Рогатин</strong></span></span></p>\r\n\r\n<p><br />\r\n<span style=\"font-size:14px\"><span style=\"font-family:arial,helvetica,sans-serif\"><strong>Адреса:</strong>&nbsp;Івано-Франківська обл., м. Рогатин, вул. Стуса 86</span></span></p>\r\n\r\n<p><span style=\"font-size:14px\"><span style=\"font-family:arial,helvetica,sans-serif\"><strong>Телефон:&nbsp;</strong>(066) 209-75-24</span></span></p>\r\n\r\n<p><span style=\"font-size:14px\"><span style=\"font-family:arial,helvetica,sans-serif\"><strong>Графік
роботи:</strong></span></span></p>\r\n\r\n<p><span style=\"font-size:14px\"><span style=\"font-
family:arial,helvetica,sans-serif\">ПН-ПТ: 09:00-18:00</span></span></p>\r\n\r\n<p><span
style=\"font-size:14px\"><span style=\"font-family:arial,helvetica,sans-serif\">СБ: 09:00-
15:00</span></span></p>\r\n\r\n<p><br />\r\n<span style=\"font-size:14px\"><span style=\"font-
family:arial,helvetica,sans-serif\"><em>Раді вас бачити у наших
представництвах!</em></span></span></p>\r\n",
                "PublishDate": "2024-03-13T00:00:00",
                "ImageName": null,
                "ImageUrl": null,
                "ImageContent": "",
                "WarehousesId": null
            }
        ]
    }
```

4.3 *Getting a message subject - method GetMessagesTheme.*

GET api/v4/Public/GetMessagesTheme?culture={culture}

Input parameters

Name	Data type	Default value	Description
culture	String	uk-UA	Culture; Valid values (en-US, uk-UA).

Output parameters

Represents as json. Collection of objects {Id, Name}.

Id – Subject id

Name – Subject name

Output parameters format

application/json, text/json

Example:

```
  {
    "status": true,
    "message": "",
    "data": [
      {
        "Id": "AGREEMENT",
        "Name": "Укладення договору"
      },
      {
        "Id": "CARGO_DAMAGE",
        "Name": "Затримка, втрата, пошкодження вантажу"
      },
      {
        "Id": "ACCEPTANCE_DOCUMENT",
        "Name": "Отримання акту виконаних робіт та податкових накладних"
      }
    ]
  }
```

4.4 Submitting an assessment of the company's performance - method PostServiceRate.

POST api/v4/Public/PostServiceRate

Input parameters

Name	Data type	Description
input	RateServicesModel	Model that describes input and output parameters

Example of input parameters:

```
{
  "OfficeId": "1c828aa6-70c8-e211-9902-00155d037919",
  "WarehosePlacing": 3,
  "CargoReceiveSpeed": 4,
  "CargoOutputSpeed": 5,
  "DocumentsIssuanceSpeed": 6,
  "DeliverySpeed": 7,
  "TarrifsRate": 8,
  "CargoLoadTarrifs": 9,
  "WorkersCulture": 10,
  "QualityInGeneral": 11,
  "YourRecomendations": "sample string 12",
  "ClientNumber": "1234567890",
  "Name": "name",
  "LastName": "last name",
  "SecondName": "second name",
  "Phone": "123456",
  "Email": "name@name.ru",
  "CompanyName": "test"
}
```

Output parameters

Output parameters format

application/json, text/json

Example:

```
{
   "status": true,
   "message": "",
}
```

4.5 Sending a vehicle order - method PostPickUpCargo.

POST api/v4/Public/PostPickUpCargo

Input parameters

Name	Data type	Description
input	PickUpCargoModel	Model that describes input and output parameters

Example of input parameters:

```
{
  "ContactName": "contact name",
  "Name": "name",
  "PhoneNumber": "123456",
  "Email": "name@name.ru",
  "Area": "Ar. Krim",
  "City": "donetsk",
  "Address": "test",
  "AccessMode": "1",
  "Weight": 1,
  "Size": 2,
  "Quantity": 3,
  "Date": "01.01.2014",
  "Time": "15:00",
  "Note": "sample string 11",
  "IsFloor": true,
  "Floor": "10",
  "ToCity": "qwe"
}
```

Output parameters

Output parameters format

application/json, text/json

Example:

```
{
   "status": true,
   "message": "",
}
```

5. User area, register

5.1 Login – method PostLogin

POST api/v4/Public/PostLogin

Input parameters

Name	Data type	Description
model	LoginModel	Model that describes input and output parameters

Example of input parameters:

```
{
    “UserName”: "iv.iv.ivankov@gmail.com", //User’s login
    “Password”: "123456", //User’s password
    “RememberMe”: true //Remember me
};
```

Output parameters

Output parameters format

application/json, text/json

Example:

```
{
   "status": true,
   "message": "",
}
or
{
   "status": false,
   "code": 401,
   "message": "Невірний логін або пароль",
}
or
{
    "status": false,
    "code": 0,
    "message": ex.Message
}
```

5.2 Logout – method PostLogoff

POST api/v4/Public/PostLogoff

Method requires authorization

Input parameters

Missing

Output parameters

Output parameters format

application/json, text/json

Example:

```
{
   "status": true,
   "message": ""
}
```

5.3 Getting am information about user – method GetUserInfo.

GET api/v4/Public/GetUserInfo?culture={culture}

Method requires authorization

Input parameters

Name	Data type	Default value	Description
culture	String	uk-UA	Culture; Valid values (en-US, uk-UA).

Output parameters

Represents as json. Object {Id, AccessLevel, UserName, SmsPhoneNumber, ClientTipe, ClientNumber, PhoneNumber, CrmUserId, Email, showHelpHide, Photo, RoleName, IsLoyaltyProgram, AvailablePoints, CurrentPoints, City, ConfirmPhine}.

Id – Client id in website database

AccessLevel – Level of access

UserName – User’s name

SmsPhoneNumber – User’s SMS phone number

ClientTipe – Client type (Natural person(false)/Legal entity(true))

ClientNumber – Client barcode

PhoneNumber – User’s phone number

CrmUserId – Client id in CRM

Email – Email address

RoleName – User’s role

IsLoyaltyProgram – Is registrated in loyality program?

AvailablePoints – Loyality program availabe points

CurrentPoints – Loyality program current points

City – City (Client location)

ConfirmPhine – Confirmed user’s phone number (to enter the website)

Output parameters format

application/json, text/json

Example:

```
{
  "status": true,
  "message": "",
  "data": {
    "Id": "45023",
    "AccessLevel": "Повний доступ",
    "UserName": "!! Тестовий клієнт для сайту",
    "SmsPhoneNumber": 662332658,
    "ClientType":false,
    "ClientNumber": "00022558",
    "PhoneNumber": 662332658,
    "CrmUserId": "abcdefab-0123-4567-89ab-0123456789ab",
    "Email": "test@test.ts",
    "showHelpHide":null,
    "Photo":null,
    "RoleName":"PowerUser",
    "IsLoyaltyProgram":false,
    "AvailablePoints":0,
    "CurrentPoints":0,
    "City":"Київ",
    "ConfirmedPhone":null
  }
}
```

5.4 Getting user receipts – method GetUserReceipt.

GET api/v4/Public/GetUserReceipt?page={page}&rows={rows}&type={type}&culture={culture}& detail={detail}

Method requires authorization

Input parameters

Name	Data type	Default value	Description
page	Integer	1	Receipt page
rows	Integer	10	Number of displayed lines
type	Integer	0	Receipt type (0 – sending, 1 – receiving)
culture	String	uk-UA	Culture; Valid values (en-US, uk-UA).
detail	Boolean	true	Is there a need to return information about add. services and potential recipients.

Output parameters

Represents as json. Object {id, number, SendDate, ReceiveDate, SenderWarehouseName, TotalCost, RecepientWarehouseName, Status, StatusesDecoding, Weight, Volume, PaymentStatus, Currency, CanChangeRecepient, LockShipping, IsPrivate, IsAllowDeny, Sender, Recepient, Payer, StatedValue, Sites, PriceWarehouseWarehouse, AuxServicesList, InsuranceCost, InsuranceValue, PossibleReceivers, codCost, codCurrency, codName, codWarehouse, isGiveMoney, SafetyDealMoneyStatus}.

id – Receipt id,

number – Receipt number,

total – Amount of pages with receipts,

SendDate – Date the receipt was sent,

ReceiveDate – Date the receipt was received,

SenderWarehouseName – Warehouse from which the receipt is sent,

RecepientWarehouseName – Warehouse to which the receipt is sent,

Status – Receipt status,

StatusesDecoding – Receipt text status,

TotalCost – Total cost,

PartnerNumber – Partner declaration number,

Type – Receipt type (see. directory 8.4),

Weight – Weight,

Volume – Volume,

PaymentStatus – Payment status,

Currency – Currency,

CanChangeRecepient – Is it possible to change sender,

LockShipping – Prohibition on issuance,

IsPrivate – Is closed for view,

IsAllowDeny – Is allowed for removing or establishing on issuance prohibition,

Sender – Sender’s name,

Recepient – Recepient’s name,

Payer – Payer’s name,

StatedValue – Declared value,

Sites – Amount of sites,

PriceWarehouseWarehouse – Shipping cost without discount and add. services,

AuxServicesList – List of add. services,

InsuranceCost – Insurance cost,

InsuranceCurrency – Insurance currency,

PossibleReceivers – List of possible recepients,

PushStateCode – Sanding state

codCost – Declared cargo cost,

codCurrency – Transfer currency,

SenderPhone – Sender’s phone number (null if not an express delivery)

ReceiverPhone – Recepient’s phone number (null if not an express delivery)

AddressPickup – Express delivery shipping address (null if not an express delivery)

AddressDelivery – Express delivery load address

DateArrivalExpress – Express delivery date and time

CitySendName – Dispatch city

DeliveryType – Delivery scheme

codName – Transfer recepient’s name,

codWarehouse – Transfer warehouse name,

isGiveMoney – Is transfer issued to recepient

codGiveMoneyDate – Date of issuing transfer to sender

SafetyDealMoneyStatus – Safe deal funds status

Output parameters format

application/json, text/json

Example:

```
{
  "status": true,
  "message": "",
  "data": [
    {
      "id": "c26032e6-fd57-4b8a-827b-eb93a736a80b",
      "number": "9900043094",
      "SendDate": "2015-10-28T00:00:00",
      "ReceiveDate": "2015-10-29T00:00:00",
      "SenderWarehouseName": "КИЇВ-1",
      "RecepientWarehouseName": "КИЇВ-1",
      "Status": "8",
      "StatusesDecoding": "Зарезервована",
      "TotalCost": 278.000,
      "PartnerNumber": "",
      "Weight": 100.000,
      "Volume": 1.000000,
      "PaymentStatus": false,
      "Currency": 100000000,
      "CanChangeRecepient": false,
      "LockShipping": false,
      "IsPrivate": 0,
      "IsAllowDeny": true,
      "Sender": "!! Іванков Іван Тест",
      "Recepient": "!! Новий Клієнт Київ",
      "Payer": "!! Іванков Іван Тест",
      "StatedValue": 1000.000,
      "Sites": "2",
      "PriceWarehouseWarehouse": 262.000,
      "codCost": 1000.000,
      "codCurrency": 100000000,
      "codName": "Іван Іванович Іванов",
      "codPhone": "0669854652",
      "codWarehouse": "ДНІПРО-1Центр З/Д (Лівий бер.)",
      "AuxServicesList": [
        {
          "Id": "3d39b06b-c80b-4ca8-be5c-4ad3e59439b5",
          "ReceiptId": null,
          "Name": "Оформлення багажу",
          "Count": 2,
          "Summ": 6.00000
        },
        {
          "Id": "0b23e486-9362-4615-b12c-63fd813ffdef",
          "ReceiptId": null,
          "Name": "Повернення палет",
          "Count": 1,
          "Summ": 10.00000
        }
      ],
      "InsuranceCost": 0.0,
      "InsuranceCurrency": 100000000,
      "PossibleReceivers": [
        {
          "Id": "35ba4253-b1fe-4cdc-b5da-820a7e891e3f",
          "ReceiptId": null,
          "Name": " Козлов, ФОП"
        }
      ],
      "PushStateCode": 0
    }
  ]
}
```

5.5 Receiving applications for user’s address logistics – method GetUserPickUp.

GET api/v4/Public/GetUserPickUp?page={page}&rows={rows}&dateFrom={dateFrom}&dateTo={dateTo}&state={state}&pickDeliv={pickDeliv}

The method requires authorization

Input parameters

Name	Data type	Default value	Description	
page	Integer	1	Application page	
Rows	Integer	10	Amount of displayed rows	
State	Integer	null	Order status (see directory 8.5)	
dateFrom	DateTime	null	Filter by registration date	From date
dateTo	DateTime	null		To date
pickDeliv	Boolean	null	null – all, false – pick up, true – delivery	

Output parameters

Represents as json. Object {Address, AppDate, AppNumber, AppState, AppTime: {from, to}, CityName, Comment, ContactPhone, CreatedDate, HasReceipts, PickDeliv, Places, Receipts, SenderPhone, Volume, Weight, additionalPacking, addressText, canCancelOrder, cityText, dontCall, halfDiscount, hydrobort, needAuto, payType, paymentStatus, senderEmail, senderName}.

Address – Pick up address,
AppDate – Pick up date,
AppNumber – Pick up number,
AppState – Order status (see directory 8.5),
AppTime – Pick up period (hours) :
from – time from
to – time to,
CityName – City Name,
Comment – Comment,
ContactPhone – Sender’s contact phone number,
CreatedDate – Creation date and time,
HasReceipts – Does it has receipts,
PickDeliv – Pick up/Delivery,
Places – Amount of places,
Receipts – Attached receipts,
SenderPhone – Sender’s phone number,
Volume – Total volume,

Weight – Total weight,
additionalPacking– Is there additional packaging,
canCancelOrder – Can the order be canceled,
cityText – City name,
dontCall – Do not call back before execution,
halfDiscount – Is there a 50% discount on cargo pick up upon delivery,
hydrobort – Is there a tail lift,
needAuto – Is it necessary to provide an additional car,
payType – Payment type,
paymentStatus – Service payment status,
senderEmail – Sender's email,
senderName – Sender's name

Output parameters format

application/json, text/json

Example:

```
{
  "status": true,
  "message": "",
  "data": [
    {
      "Address": "Lviv, Test st. 1a",
      "AppDate": "2024-05-20T00:00:00+03:00",
      "AppId": "ea000000-bab0-eb00-0000-000d0a00e000",
      "AppNumber": "12345678",
      "AppOrderId": "00000000-0000-0000-0000-000000000000",
      "AppState": 100000000,
      "AppTime": {
        "from": 10,
        "to": 17
      },
      "CityName": "Lviv",
      "ClosedDate": null,
      "Comment": "Comment",
      "ContactPhone": "0501112233",
      "CreatedDate": "2024-05-18T10:12:24+03:00",
      "HasReceipts": false,
      "PackComment": null,
      "PickDeliv": true,
      "Places": "1",
      "Receipts": [

      ],
      "SenderPhone": "0501112233",
      "Volume": 1,
      "Weight": 1,
      "additionalInfo": [

      ],
      "additionalPacking": false,
      "addressText": null,
      "canCancelOrder": true,
      "cancelingInModeration": false,
      "cityText": null,
      "dontCall": false,
      "fromInt": 100000001,
      "halfDiscount": null,
      "hydrobort": false,
      "isArchive": false,
      "needAuto": false,
      "payType": 0,
      "paymentStatus": null,
      "senderEmail": null,
      "senderName": null,
      "toInt": 100000008,
      "totalCost": null
    }
  ]
}
```

5.6 Deactivation of reserved receipts – method PostDeactivateReceipts.

POST api/v4/Public/PostDeactivateReceipts?receiptsGuids={receiptsGuids}

Method requires authorization

Input parameters

Name	Data type	Description
receiptsGuids	String	Guids of the receipts to be deactivated, separated by commas.

Example of input data:

/api/v4/Public/PostDeactivateReceipts?receiptsGuids=00000000-0000-0000-0000-000000000000,11111111-1111-1111-1111-111111111111

Output parameters

Output parameters format

application/json, text/json

Example:

```
{
   "status": true,
   "message": "",
}
або
{
   "status": false,
   "code": 0,
   "message": "Only reserved peceipts can be deleted",
}
або
{
    "status": false,
    "code": 36,
    "message": "not your receipt",
}
```

6. Making a receipt

6.1 Getting access via API key and data format selection.

To use these methods that require authorization through the API, you must additionally pass the api key. The user is given a pair of public and secret api keys. For authorization, the user needs to pass in the request header in the “HMACAuthorization” parameter the public key, the current server time and the hash code generated by encryption using the HmacSHA256 algorithm. Usage examples are given below.

Javascript example.

```
var apiKey = 'CDBFE2D5-BF02-4C0D-B7D6-5CF277761C50';
 var apiSecretKey = '6c131f01b99dfac3529d0cd68b1d6649';
var getHMAC = function (key, timestamp) {
      var hash = CryptoJS.HmacSHA256(key + timestamp, apiSecretKey);
      return hash.toString();
  };
var data = {
                  "egs": [
                    {
                        "Id": "f6ee49fa-3e29-e311-8b0d-00155d037960",
                        "PartnerNumber": "123456"
                    }
                  ]
              };
$.ajax({
      url: 'http://www.delivery-auto.com/api/v4/Public/PostDeactivateEg',
      type: "POST",
      data: data,
      dataType: 'json',
      beforeSend: function (request) {
          request.setRequestHeader('HMACAuthorization', 'amx ' + apiKey + ':' + timestamp
+ ':' + getHMAC(apiKey, timestamp));
      },
      success: function (data) {
          debugger;
          if (data.status == true) {
              debugger;
          }
      },
      error: errorMessageFunc
  });
```

C# example.

```
public string getHMAC(string publicKey, TimeSpan timestamp, string secretKey) {
      string message = publicKey + timestamp.Milliseconds.ToString();
      System.Text.ASCIIEncoding encoding = new System.Text.ASCIIEncoding();
      HMACSHA1 hmacsha256 = new HMACSHA256(encoding.GetBytes(secretKey));
      byte[] hashmessage = hmacsha256.ComputeHash(encoding.GetBytes(message));
      return ByteToString(hashmessage);
  }

  public static string ByteToString(byte[] buff)
```

```
        {
            string sbinary = "";
            for (int i = 0; i < buff.Length; i++)
            {
                sbinary += buff[i].ToString("X2"); // hex format
            }
            return (sbinary);
        }

        public ActionResult TestJSApi()
        {
            string dataString = @"{
                        ""egs"": [
                          {
                              ""Id"": ""f6ee49fa-3e29-e311-8b0d-00155d037960"",
                              ""PartnerNumber"": ""123456""
                          }
                        ]
                    }";

            var apiKey = "CDBFE2D5-BF02-4C0D-B7D6-5CF277761C50";
            var apiSecretKey = "6c131f01b99dfac3529d0cd68b1d6649";

            DateTime myDate1 = new DateTime(1970, 1, 9, 0, 0, 00);
            DateTime myDate2 = DateTime.Now;
            var timestamp = myDate2.Subtract(myDate1);
            var HMAC = getHMAC(apiKey, timestamp, apiSecretKey);
            var request = (HttpWebRequest)WebRequest.Create("http://www.delivery-
auto.com/api/v4/Public/PostDeactivateEg");
            var data = System.Text.Encoding.UTF8.GetBytes(dataString);
            request.Method = "POST";
            request.ContentType = "text/json";
            request.ContentLength = data.Length;
            request.Headers["HMACAuthorization"] = string.Format("amx {0}:{1}:{2}", apiKey,
timestamp.Milliseconds.ToString(), HMAC);

            using (var stream = request.GetRequestStream())
            {
                stream.Write(data, 0, data.Length);
            }

            var response = (HttpWebResponse)request.GetResponse();
            var responseString = new StreamReader(response.GetResponseStream()).ReadToEnd();
```

By default, data is output in json format. To change the type of input and output data to xml, you must pass the type=xml parameter to the address bar. Example //api/v3/Public/GetClientCards?type=xml.

6.2 Getting a list of client payment cards – method GetClientCards.

GET api/v4/Public/GetClientCards

Method requires authorization via API key

Input parameters

Missing

Output parameters

Represents as list of objects. Object { id, name }.

id – Card Id

name – Card name

Output parameters format

application/json, text/json

Example:

In json format.

```
{
  "data": [
    {
      "id": "3dafcedb-904b-4210-ae46-2af2acd385ef",
      "name": "5104********8490"
    },
    {
      "id": "c05e1eae-80e2-4380-a2f2-5ddbd34a07ce",
      "name": "5211********9950"
    },
    {
      "id": "42b137f9-eb86-424b-b2ed-60b5b4659299",
      "name": "5168********8737"
    }
  ],
  "status": true,
  "message": ""
}
```

In xml format.

```
<ApiResult>
        <status>true</status>
        <message/>
        <data>
                <DirectoryItem>
                        <id>3dafcedb-904b-4210-ae46-2af2acd385ef</id>
                        <name>5104********8490</name>
                </DirectoryItem>
                <DirectoryItem>
                        <id>c05e1eae-80e2-4380-a2f2-5ddbd34a07ce</id>
                        <name>5211********9950</name>
                </DirectoryItem>
                <DirectoryItem>
                        <id>42b137f9-eb86-424b-b2ed-60b5b4659299</id>
                        <name>5168********8737</name>
                </DirectoryItem>
        </data>
</ApiResult>
```

6.3 Getting a list of client settlement accounts – method GetClientInvoices.

GET api/v4/Public/GetClientInvoices

Method requires authorization via API key

Input parameters

Missing

Output parameters

Represents as list of objects. Object { id, name }.

id – Card id

name – Card number

Output parameters format

application/json, text/json

Example:

In json format:

```
{
  "data": [
    {
      "id": "f38964d0-f2a5-e411-b119-000d3a200160",
      "name": "7777777777777777777"
    }
  ],
  "status": true,
  "message": ""
}
```

In xml format:

```
<ApiResult>
        <status>true</status>
        <message/>
        <data>
                <DirectoryItem>
                        <id>f38964d0-f2a5-e411-b119-000d3a200160</id>
                        <name>7777777777777777777</name>
                </DirectoryItem>
        </data>
</ApiResult>
```

6.4 Making a receipt- method PostCreateReceipts.

POST api/v4/Public/PostCreateReceipts

Method requires authorization via API key

The input parameters are an array of RegistrationReceiptsModel models with the following fields

Name	Data type	Is required? (Yes/No)	Description
deliveryScheme	Integer	By default: 0	Delivery scheme 0: Warehouse-warehouse, 1: Address-Address, 2: Warehouse-doors, 3: Address-Warehouse
areasSendId	Guid	Yes	Dispatch city Id
warehouseSendId	Guid	Yes, if deliveryScheme = 0 or 2	Id of the warehouse in the dispatch city
pickUpContactName	String	Yes, if deliveryScheme = 1 or 3	Contact person for pick up
pickUpContactPhone	String	Yes, if deliveryScheme = 1 or 3	Phone number for pick up (10 digits. E.g.: “0501112233”)
pickUpAddressId	Guid	One of these fields must be filled in if deliveryScheme = 1 or 3	Pick up address Id
pickUpAddress	String		Pick up address (separated by commas: Street, house, apartment)
pickUpDate	String	Always takes the value of the receipt creation date. Used when deliveryScheme = 1 or 3	Pick up date
areasResiveId	Guid	Yes	Receipt city Id
warehouseResiveId	Guid	Yes, if deliveryScheme = 0 or 3	Id of the warehouse in the receipt city

Name		Data type	Is required? (Yes/No)	Description
deliveryContactName		String	Yes, if deliveryScheme = 1 or 2	Contact person for the delivery
deliveryContactPhone		String	Yes, if deliveryScheme = 1 or 2	Phone number for the delivery (10 digits. E.g.: “0501112233”)
DeliveryComment		String	No	Delivery comment
deiveryAddresId		Guid	One of these fields must be filled in if deliveryScheme = 1 or 2	Delivery address Id
deliveryAddress		String		Delivery address (separated by commas: Street, house, apartment)
SenderId		Guid	By default: Guid of API key owner (public key)	Sender’s Id. Can take the value of your Id or the Id of your parent or subsidiary organization.
posibleResiverReceipt_1		Guid	Yes, or create a new one using the fields (1)	Existing recipient’s Id.
1)	receiverName	String	Yes, when creating a recipient	Recipient’s Full name (individual)
	receiverType	Boolean	By default: **false**	false: individual, true: legal entity
	receiverPhone	String	No, for creating individuals Yes, for creating legal entities	Recipient's phone number (10 digits. E.g.: “0501112233”)
	receiverEgrpo	String	No, for creating individuals Yes, for creating legal entities	USREO
posibleResiverReceipt_2 posibleResiverReceipt_3 posibleResiverReceipt_4		Guid	No	Possible recipient’s Id.

Name	Data type	Is required? (Yes/No)	Description
dateSend	String	Yes	Dispatch date
Currency	Integer	By default: 100000000	Currency code
payerType	Integer	By default: 0	Payer's type: 1: recipient, 0: sender
paymentType	Integer	By default: 0	Payment type: 0: cash, 1: non-cash.
payerId	Guid?	No	If the payer needs to transfer a third party, then transfer the Id of the third party.
paymentTypeInsuranse	Integer	By default: 0	Type of insurance payment: 0: cash, 1: non-cash
payerInsuranceId	Guid?	If payerType = 0 – By default senderId. If payerType = 1 – generates, if **null**	Insurance payer
InsuranceValue	Integer	By default: 0	Insured value of cargo
CashOnDeliveryPayerAccountId	Guid?	No	Transfer payer
cashOnDeliveryValue	Ineger	No	Transfer amount
cashOnDeliveryValuta	Integer	By default: 100000000	Transfer currency
cashOnDeliveryType	Integer	By default: 0	Transfer type 0: payment card, 1: settlement account, 2: cash
CashOnDeliveryWarehouseId	Guid	Required if	Transfer warehouse Id

Name	Data type	Is required? (Yes/No)	Description
		cashOnDeliveryValue > 0	
CashOnDeliveryRasschSchetId	Guid	Required if cashOnDeliveryValue > 0 and cashOnDeliveryType = 1 or 3	Settlement account id
CashOnDeliveryCardId	Guid	Required if cashOnDeliveryValue > 0 and cashOnDeliveryType = 0	Payment card id
CashOnDeliverySenderPhone	String	Required if cashOnDeliveryValue > 0	Transfer recipient’s phone number
CashOnDeliverySenderFullName	String	Required if cashOnDeliveryValue > 0 and if the recipient is a legal entity	Transfer recipient’s full name
CashOnDeliveryReceiverPhone	String	Yes, if cashOnDeliveryValue > 0 and if the payer is a legal entity	Transfer payer's phone number
CashOnDeliveryReceiverFullName	String	Yes, if cashOnDeliveryValue > 0 and if the payer is a legal entity	Transfer payer's full name
denyIssue	Boolean	No	Prohibition on issuing
denyIssuePhone	String	Yes, if denyIssue = true	Phone number for removing the prohibition (receiving an SMS with a code)
ReturnDocuments	Boolean	No	Flag for returning documents during delivery
descentFromFloor	Integer	No	Descent from a floor
climbingToFloor	Integer	No	Rise to a floor

Name	Data type	Is required? (Yes/No)	Description
IsOverSize	Boolean	No	Oversized, for cargo delivery
IsGidrobort	Boolean	No	Tail lift, for cargo delivery
EconomDelivery	Boolean	No	Economy delivery
EconomPickUp	Boolean	No	Economy pick up, for cargo pick up
ExpressPickUp	Boolean	No	Express pick up, for cargo pick up
parentNumber	String	No	Partner declaration number
DeliveryComment	String	No	Delivery comment
Coupon	String	No	Discount coupon number
Note	String	No	Comment on the receipt
CashOnDeliveryDescription	String	No	Note on transferring funds
Category (see par. 3.1)	Category Model[]	Yes	Cargo array

To check the method without saving the receipt, you can use the **flSave** flag (true save, false do not save).

The sender is the client who is authorized before calling the method. SenderId can take the value of your Id (public key) or the Id of your parent or subsidiary organization.

If some of the required fields are not filled in, the method will return a warning and the receipt will not be created.

When debugging modules for creating receipts, it is recommended to use **debugMode.**

To determine the receipt recipient, you must either specify its Id or create a new one.
If an already existing one is specified, then its Id is passed in the parameter **posibleResiverReceipt_1.**
Three parameters are used to create a new recipient: ***receiverName, receiverType*** and ***receiverPhone***.

The situation is similar with the fields of the delivery address and the pick up address. You can create a new pick up and delivery address by passing them in text format to the fields ***pickUpAdress*** and ***deliveryAddress*** accordingly. Or by passing their ***Id*** to the fields ***pickUpAdressId*** and ***deliveryAddressId***.

If fields **posibleResiverReceipt_1**, ***pickUpAdressId*** or ***deliveryAddressId*** are specified, then the fields for creating a new **recepient**, ***pick up address*** or ***delivery address*** (respectively) are not taken into account.

As an array, you can send receipts combined with one pick up order, that is, with the same dispatch city, address, and dispatch date.

Input data example:

```
             {
                   "culture": "uk-UA", //Culture
                   "flSave": "true", //Save flag
                   "debugMode": "false", //Debug mode flag
                   "receiptsList": [
                     {
                         "areasSendId": "f6ee49fa-3e29-e311-8b0d-00155d037960",
                          //Dispatch city
                         "areasResiveId": "ebc7639a-db2a-e311-8b0d-00155d037960",
                          //Receipt city
                         "warehouseSendId": "6b3b6d45-b249-e211-ab75-00155d012d0d",
                          //Dispatch warehouse
                         "warehouseResiveId": "ab3b6d45-b249-e211-ab75-00155d012d0d",
                          // Receipt warehouse

                         "dateSend": "2015-06-24T00:00:00", //Dispatch date
                         "deliveryScheme": 1, //Delivery scheme 0- Warehouse-Warehouse, 1-
Address-adress, 2- Warehouse-address, 3- Address-warehouse
                         "receiverName": "Іванков Іван Іванович",
                          // Recipient; for an individual - full name
                         "receiverPhone": "0500000000", //Recipient’s phone number
                         "receiverType": false, //false – individual, true – legal entity
                         "currency": 100000000, //Receipt currency
                         "InsuranceValue": 10000.0, // Insured value of cargo
                         "senderId": "cdbfe2d5-bf02-4c0d-b7d6-5cf277761c50", //Sender’s Id
                         "payerInsuranceId": "1aa70d22-1209-e511-b3b5-000d3a200160",
                          // insurance payer
                         "payerId": "1aa70d22-1209-e511-b3b5-000d3a200160",
                          // if the payer needs to transfer a third party

                         "payerType": 1, // Payer’s type 0-sender, 1-recipient
                         "paymentType": 0, //Payment type 1- non-cash, 0- cash
                         "paymentTypeInsuranse": 0,
                          //Insurance payment type 1- non-cash, 0- cash

                         "deliveryAddress": "Науки, 5", //Delivery address
                         "deliveryContactName": "Дмитро", //Contact person for delivery
                         "deliveryContactPhone": "0500000000", //Phone number for delivery
                         "DeliveryComment": "Коментар при доставці", //Comment on delivery
                         "ReturnDocuments": true, //Flag return of documents on delivery
                         "climbingToFloor": 4, //Rise to the floor
                         "EconomDelivery": false, //Economy delivery
                         "IsOverSize": false, //Oversized, for cargo delivery
                         "IsGidrobort": false, //Tail lift, for cargo delivery
                         "EconomPickUp": false, //Economy pick up, for cargo pick up
                          "ExpressPickUp": false, //Express pick up, for cargo pick up
                         "cashOnDeliveryType": 0, //Cash no delivety type 0-payment card, 1-
settlement account, 2-cash, 3-Safe deal
                         "CashOnDeliveryValuta": 100000000, //Transfer currency
```

```
                  "CashOnDeliveryValue": 1000.0, // Transfer amount
                  "CashOnDeliveryCardId": "B08ACA89-B6C8-4014-ABF8-3EA61B18E5DA",
                  //Payment card Id
                  "CashOnDeliveryPayerAccountId": "1aa70d22-1209-e511-b3b5-000d3a200160"
                  //Transfer payer
                  "CashOnDeliveryRasschSchetId": "00000000-0000-0000-0000-000000000000",
                  // Settlement account ID (this field is mandatory for Safe transaction)
                  "CashOnDeliveryDescription": "Опис", // Description of the payment
                 "CashOnDeliveryWarehouseId": "6b3b6d45-b249-e211-ab75-00155d012d0d",
                   // Transfer warehouse
                 "CashOnDeliverySenderFullName": "Іванов Іван Іванович",
                   //Transfer recipient’s full name
                 "CashOnDeliverySenderPhone": "0501234567",
                   //Transfer recipient’s phone number
                 "CashOnDeliveryReceiverFullName": "Петров Петро Петрович",
                   //Transfer sender’s full name
                 "CashOnDeliveryReceiverPhone": "0671234567",
                   //Transfer sender’s phone number
                  "pickUpDate": "2015-06-30T00:00:00", //Pick up date
                  "pickUpContactName": "Василь", //Contact person for pick up
                  "pickUpContactPhone": "0500000000", //Pick up contact phone number
                  "pickUpAddressId": "a5eaf714-fb60-e411-b421-000d3a200936",
                   //Pick up address
                  "descentFromFloor": 4, //Descent from the floor
                  "category": [
                    {
                        "categoryId": "00000000-0000-0000-0000-000000000000",
                         //Tariff Category
                        "cargoCategoryId": "0307d03b-9e36-e311-8b0d-00155d037960",
                         // Category of the shipped cargo
                        "countPlace": 10, //Number of places
                        "helf": 100.0, //Weight
                        "size": 2.0, //Size
                        "isEconom": true, //Economical but longer delivery
                        "PartnerNumber": "123456" //Partner declaration number
                    },
                    {
                        "categoryId": "00000000-0000-0000-0000-000000000000",
                        "cargoCategoryId": "0f07d03b-9e36-e311-8b0d-00155d037960",
                        "countPlace": 10,
                        "helf": null,
                        "size": null,
                        "isEconom": true,
                        "PartnerNumber": "123457"
                    }
                  ]
              },
              {
                  "areasSendId": "f6ee49fa-3e29-e311-8b0d-00155d037960", //Dispatch city
                  "areasResiveId": "4577d856-322b-e311-8b0d-00155d037960",
                   //Recipient’s city
                  "warehouseSendId": "6b3b6d45-b249-e211-ab75-00155d012d0d",
                   //Dispatch warehouse
                  "warehouseResiveId": "efbecb4b-da49-e211-9515-00155d012d0d",
                   //Recipient warehouse
                  "dateSend": "2015-06-24T00:00:00", //Dispatch date
                  "deliveryScheme": 3, //Delivery scheme 0- Warehouse-Warehouse, 1-
Address-Adddress, 2- Warehouse-address, 3- Address-warehouse
                   "posibleResiverReceipt_1": "07b98959-52ab-40a0-9ce7-ab7ee678d809",
                   //Recipient’s Id
                  "posibleResiverReceipt_2": "07b98959-52ab-40a0-9ce7-ab7ee678d809",
                   //Possible recipient’s Id
                  "posibleResiverReceipt_3": "07b98959-52ab-40a0-9ce7-ab7ee678d809",
                   //Possible recipient’s Id
                  "posibleResiverReceipt_4": "07b98959-52ab-40a0-9ce7-ab7ee678d809",
                          //Possible recipient’s Id

                        "currency": 100000000, //Receipt currency
                        "InsuranceValue": 10000.0, //Insured value of cargo

                        "payerType": 0, //Payer’s type 0-sender, 1-recipient
                        "paymentType": 0, // Payment type 1- non-cash, 0- cash
                        "paymentTypeInsuranse": 0, //Insurance payment type 1- non-cash, 0-
cash

                        "pickUpDate": "2015-06-30T00:00:00", //Pick up date
                        "pickUpContactName": "Василь", //Contact person for pick up
                        "pickUpContactPhone": "0500000000", // Pick up contact phone number
                        "pickUpAddressId": "a5eaf714-fb60-e411-b421-000d3a200936", //Pick up
address
                        "descentFromFloor": 4, //Descent from the floor
                        "category": [
                          {
                              "categoryId": "00000000-0000-0000-0000-000000000000",
                                //Tariff Category
                              "cargoCategoryId": "0307d03b-9e36-e311-8b0d-00155d037960",
                                //Category of the shipped cargo
                              "countPlace": 1, //Amount of places
                              "helf": 20.0, //Weight
                              "size": 1.0, //Size
                              "isEconom": true,
                              "PartnerNumber": "1234567"
                          }
                        ]
                    }
                  ]
              }
      ----------------------------------------------------------------------------------------
            {
                   "culture": "uk-UA",
                   "flSave": "false",
                   "debugMode": "true",
                   "receiptsList": [
                   {
                          "areasSendId": "16617DF3-A42A-E311-8B0D-00155D037960",
                          "areasResiveId": "A8FA4093-D12A-E311-8B0D-00155D037960",
                          "warehouseSendId": "BDFF546C-CB16-E211-89ED-00155D053B5D",
                          "warehouseResiveId": "A3F0FA22-8C43-E211-B182-00155D037A52",
                          "receiverName": "Иванков Иван Иванович",
                          "receiverPhone": "0500000000",
                          "receiverType": false,
                          "dateSend": "2015-06-24T00:00:00",
                          "deliveryScheme": 0,
                          "currency": 100000000,
                          "InsuranceValue": 10000.0,
                          "payerType": 1,
                          "category": [
                                {
                                      "categoryId": "00000000-0000-0000-0000-000000000000",
                                      "cargoCategoryId": "0307d03b-9e36-e311-8b0d-
00155d037960",

                                      "countPlace": 1,
                                      "helf": 20.0,
                                      "size": 1.0
                                }
                              ]
                   }
                  ]
            }
```

Output parameters

Represents as json. Collection of objects {Id, Number, TotallCost, InsuranceCost, ComissionGM, Comment, egs}.

Id – Receipt Id

Number – Receipt number

TotallCost – Shipping cost

InsuranceCost – Insurance cost

ComissionGM – Transfer commission (2% from the sum +20hrn for transfer service)

Comment – Comment

egs – Array of cargo units

Output parameters fomat

application/json, text/json

Example:

In json format.

```
{
  "status": true,
  "message": [],
  "receipts": [
    {
      "Id": "f5a947f6-adcf-49e8-be46-a49d69621ae2",
      "Number": "9900000000",
      "TotallCost": 97.0,
      "InsuranceCost": 7.0,
      "ComissionGM": 30.0,
      "Comment": "",
      "egs": [
        {
          "Id": "3fed9940-b094-4236-a3b0-728a83123eca",
          "PartnerNumber": null,
          "Number": "9900000000002002151"
        }
      ]
    }
  ]
}
```

In xml format.

```
<RegistrationReceiptsOutputModel>
        <status>true</status>
        <message/>
        <receipts>
                <ReceiptsOutputModel>
                        <Id>0656bab4-e62c-e411-bd10-000d3a200936</id>
                        <PartnerNumber>123456</PartnerNumber>
                </ReceiptsOutputModel>
                <ReceiptsOutputModel>
                        <Id>f306d03b-9e36-e311-8b0d-00155d037960</id>
                        <PartnerNumber>123457</PartnerNumber>
                </ReceiptsOutputModel>
        </receipts>
</RegistrationReceiptsOutputModel>
```

6.5 Deactivation of cargo units - method PostDeactivateEg.

POST api/v4/Public/PostDeactivateEg

Method requires authorization via API key

Input parameters

Name	Data type	Description
input	ReceiptsOutputModel	Model that describes input and output parameters

Input data example:

```
{
     "egs": [
       {
           "Id": "f6ee49fa-3e29-e311-8b0d-00155d037960",
           "PartnerNumber": "123456"
       }
     ]
 }
```

Output parameters

Output parameters format

application/json, text/json

Example:

In json format.

```
{
  "status": true,
  "message": "",
  "data": []
}
```

In xml format.

```
<ApiResult>
        <status>true</status>
        <message/>
        <data />
</ApiResult>
```

6.6 Getting documents in PDF - method GetPdfDocument.

GET api/v4/Public/GetPdfDocument?number={number}&type={type}

Method requires authorization via API key

Input parameters

Name	Data type	Default value	Description
number	String	*	Receipt numbers (numbers are indicated separated by semicolons without spaces, e.g., number=9900112233;9900223344)
type	Integer	*	Document type: 0 - Receipt printing, 1 - Printing stickers of units of cargo on the godex, 2 - Printing stickers of cargo units on one sheet, 4 - Printing on one sheet 95x95 of several receipts.

Output parameters

Output parameters format

application/json, text/json

Example:

In json format.

```
{
  "status": true,
  "message": "",
  "file": "EKJRLJFSHDWEKNLVSJDIFJS"
}
```

In xml format.

```
<ApiResultFile>
        <status>true</status>
        <message/>
        <file>EKJRLJFSHDWEKNLVSJDIFJS</file>
</ApiResultFile>
```

*The value of the file field returns the code encrypted in base64

6.7 Getting a list of senders (client subsidiary or parent organizations) - method GetSenderList.

GET api/v4/Public/GetSenderList

Method requires authorization via API key

Input parameters

Missing.

Output parameters

Represent as json. Collection of objects {id, name, cityId, cityName}.

Id – Sender's Id

name – Sender's name

cityId – Sender's city Id

cityName – Sender's city name

Output parameters format

application/json, text/json

Example:

In json format.

```
{
  "data":[
    {
      "id":"cdbfe2d5-bf02-4c0d-b7d6-5cf277761c50",
      "name":"!! Іванков Іван Тест",
      "cityId":"16617DF3-A42A-E311-8B0D-00155D037960",
      "cityName":"Київ"
    },
    {
      "id":"c11d0fff-b75d-e411-b4c0-000d3a200936",
      "name":"!! Іванков Отримувач 99",
      "cityId":"4FC948A7-3729-E311-8B0D-00155D037960",
      "cityName":"Авдіївка"
    }
  ],
  "status":true,
  "message":""
}
```

In xml format.

```
<ApiResultFile>
        <status>true</status>
        <message/>
        data>
                <DirectoryItem>
                        <id>cdbfe2d5-bf02-4c0d-b7d6-5cf277761c50</id>
                        <name>!! Іванков Іван Тест</name>
                        <cityId>16617DF3-A42A-E311-8B0D-00155D037960</cityId >
                        <cityName>Київ</cityName >
                </DirectoryItem>
                <DirectoryItem>
                        <id>c11d0fff-b75d-e411-b4c0-000d3a200936</id>
                        <name>!! Іванков Отримувач 99</name>
                        <cityId>4FC948A7-3729-E311-8B0D-00155D037960</cityId >
                        <cityName>Авдіївка</cityName >
                </DirectoryItem>
        </data>
</ApiResultFile>
```

6.8 Getting available currencies - method GetCurrency.

GET api/v4/Public/GetCurrency?CitySendId={CitySendId}&CityReceiveId={CityReceiveId}&PayerType={PayerType}&PayerId={PayerId}&culture={culture}

Input parameter

Name	Data type	Default value	Description
CitySendId	Guid	*	Dispatch city Id.
CityReceiveId	Guid	*	Recipient’s city Id.
PayerType	Integer	0	Payer’s type 0 - sender, 1 - recipient, 2 - third party.
PayerId	Guid?	null	Payer’s Id.
culture	String	uk-UA	Culture; Valid values (en-US, uk-UA).

Output parameters

Represent as json. Collection of objects {id, name}.

id – Currency Id

name – Currency name

Output parameters format

application/json, text/json

Example:

In json format.

```
{
  "data": [
    {
      "id": "100000000",
      "name": "Гривня"
    }
  ],
  "status": true,
  "message": ""
}
```

In xml format.

```
<ApiResult>
    <status>true</status>
    <message/>
    <data>
          <DirectoryItem>
                <id>100000000</id>
                <name>Гривня</name>
          </DirectoryItem>
    </data>
</ApiResult>
```

6.9 Getting a list of available services - method GetAvailableServices.

GET api/v4/Public/GetAvailableServices?GetAvailableServices?scheme={scheme}&receiveWarehouseId={receiveWarehouseId}&CodValue={CodValue}

Input parameters

Name	Data type	Default values	Description
scheme	Integer	*	Delivery scheme (0 - Warehouse-Warehouse, 1 - Address-Address, 2 - Warehouse-Address, 3 -Address-Warehouse)
receiveWarehouseId	Guid	*	Receiving warehouse Id
CodValue	Decimal?	null	Transfer amount

Output parameters

Represents as json. Collection of objects {id, name}.

isInfo – AS Information service is available

isReturnDocs – AS Return of documents is available

isDenyIssue – AS Prohibition of cargo issuence is available

isDescent – AS Descent from a floor is available

isLifting – AS Rise to a floor is available

isAutoReturn – AS Autoreturn service is available

Output parameters format

application/json, text/json

Example:

In json format.

```
{
  "data": [
        {
    "isInfo": "true",
    "isReturnDocs": true, //AS Return of documents is available
    "isDenyIssue": true, //AS Prohibition of cargo issuence is available
    "isDescent": true, //AS Descent from a floor is available
    "isLifting": true, //AS Rise to a floor is available
    "isAutoReturn": true //AS Autoreturn service is available

     }
  ],
  "data2": null,
  "status": true,
  "message": "",
  "code": 0
}
```

6.10 Getting a list of the payers - method GetPayer.

GET api/v4/Public/GetPayer?CitySendId={CitySendId}&CityReceiveId={CityReceiveId}&ClientSenderId={ClientSenderId}&ClientReceiverId={ClientReceiverId}&PayerType={PayerType}

Method requires authorization via API key

Input parameters

Name	Data type	Default value	Description
CitySendId	Guid	*	Dispatch city Id.
CityReceiveId	Guid	*	Recipient’s city Id.
ClientSenderId	Guid	*	Sender’s client Id.
ClientReceiverId	Guid?	null	Recipient’s client Id.
PayerType	Integer?	null	Payer’s type 0 - sender, 1 - recipient, 2 - third party.

Output parameters

Represents as json. Collection of objects {id, name}.

id – Payer’s Id

name – Payer’s name

Output parameters format

application/json, text/json

Example:

In json format:

```
{
  "data":[
    {
      "id":"c11d0fff-b75d-e411-b4c0-000d3a200936",
      "name":"!! Іванков Отримувач 99"
    },
    {
      "id":"cdbfe2d5-bf02-4c0d-b7d6-5cf277761c50",
      "name":"!! Іванков Іван Тест"
    }
  ],
  "status":true,
  "message":""
}
```

In xml format.

```
<ApiResult>
    <status>true</status>
    <message/>
    <data>
        <DirectoryItem>
            <id>c11d0fff-b75d-e411-b4c0-000d3a200936</id>
            <name>!! Іванков Отримувач 99</name>
        </DirectoryItem>
        <DirectoryItem>
            <id>cdbfe2d5-bf02-4c0d-b7d6-5cf277761c50</id>
            <name>!! Іванков Іван Тест</name>
        </DirectoryItem>
    </data>
</ApiResult>
```

6.11 Getting client addresses - method GetClientAddress.

GET api/v4/Public/GetClientAddress?CityId={CityId}&ClientId={ClientId}

Input parameters

Name	Data type	Default value	Description
CityId	Guid	*	City Id.
ClientId	Guid	*	Client Id.

Output parameters

Represents as json. Collection of objects {id, name}.

id – Address Id

name – Address

Output parameters format

application/json, text/json

Example:

In json format:

```
{
  "data": [
    {
      "id": "a5eaf714-fb60-e411-b421-000d3a200936",
      "name": "!! для забору Київ 2 дім 2 кв "
    }
  ],
  "status": true,
  "message": ""
}
```

In xml format:

```
<ApiResult>
    <status>true</status>
    <message/>
```

```
      <data>
            <DirectoryItem>
                  <id>a5eaf714-fb60-e411-b421-000d3a200936</id>
                  <name>!! для забора Київ 2 дім 2 кв</name>
            </DirectoryItem>
      </data>
 </ApiResult>
```

6.12 Getting possible client recipients - method GetPosibleReciver.

GET api/v4/Public/GetPosibleReciver?CityReceiveId={CityReceiveId}&ClientSenderId={ClientSenderId}

Method requires authorization via API key

Input parameters

Name	Data type	Default value	Description
CityReceiveId	Guid	*	Receipt city Id.
ClientSenderId	Guid	*	Sender’s client Id.

Output parameters

Represents as json. Collection of objects {id, name}.

id – Recipient‘s Id

name – Recipient’s name

Output parameters format

application/json, text/json

Example:

In json format:

```
{
  "data":[
    {
      "id":null,
      "name":""
    },
    {
      "id":"f26e1d30-ea7e-4d87-967b-7be00002b51d",
      "name":" Козлов, ФОП"
    },
    {
      "id":"ce30c74a-7253-400e-b98f-f7a19a811731",
      "name":" Скаско  Олена Миколаївна"
    }
  ],
  "status":true,
  "message":""
}
```

In xml format:

```
<ApiResult>
    <status>true</status>
    <message/>
    <data>
          <DirectoryItem>
                <name/>
          </DirectoryItem>
          <DirectoryItem>
                <id>f26e1d30-ea7e-4d87-967b-7be00002b51d</id>
                <name> Козлов, ФОП</name>
          </DirectoryItem>
          <DirectoryItem>
                <id>ce30c74a-7253-400e-b98f-f7a19a811731</id>
                <name> Скаско  Олена Миколаївна</name>
          </DirectoryItem>
    </data>
</ApiResult>
```

6.13 Getting client payment type - method GetClientPaymentType.

GET api/v4/Public/GetClientPaymentType?ClientId={ClientId}

Input parameters

Name	Data type	Default value	Description
ClientId	Guid	*	Client Id.

Output parameters

Represents as json.

data – client payment type (bool). True = cash, False = non-cash

Output parameters format

application/json, text/json

Example:

In json format:

```
{
  "data": true,
  "status": true,
  "message": ""
}
```

In xml format:

```
<ApiResultBool>
    <status>true</status>
    <message/>
    <data>true</data>
</ApiResultBool>
```

6.14 Getting full information about the receipt - method GetFullReceiptInformation.

GET api/v4/Public/GetFullReceiptInformation?culture={culture}&number={number}

The method requires authorization with a username and password

Input parameters

Name	Data type	Default value	Description
culture	String	uk-UA	Culture; Valid values (en-US, uk-UA).
number	String	*	Receipt number

Output parameters

Represents as json. Collection of objects {areasSendId, areasSend, areasReceiveId, areasResive, warehouseSendId, warhouseSend, warehouseReceiveId, warhouseReceive, deliveryScheme, number, sender, senderId, receiver, receiverId, payer, payerId, paymentType, dateSend, dateReceive, state, Currency, partnerNumber, paymentStatus, paymentDate, lockShipping, totalCountPlace, totalWeight, totalSize, warehouseWarehouseAmount, discountAmount, lossesDescountAmount, totalAmount, insuranceValue, SafetyDealMoneyStatus, duArray, possibleReceiverArray, receiptsArray[number, state, receiptType, paymentType, paymentStatus, paymentDate, currency, payerId, payer, totalAmount, clientCardId, clientCard, codSender, codSenderPhone, isGiveMoney, codWarehouse, codCity], egArray}.

areasSendId – Dispatch city Id

areasSend – Dispatch city

areasReceiveId – Receiving city Id

areasResive – Receiving city

warehouseSendId – Dispatch warehouse Id

warhouseSend – Dispatch warehouse

warehouseReceiveId – Receiving warehouse Id

warhouseReceive – Receiving warehouse

deliveryScheme – Delivery scheme: 0 - warehouse-warehouse, 1 - address-address, 2 - warehouse-address, 3 - address-warehouse

number – Receipt number

sender – Sender’s name

senderId – Sender’s Id

senderEgrpo – sender’s USREOU
receiver – Recipient’s name

receiverId – Recipient’s Id

receiverEgrpo – receiver’s USREOU
payer – Payer’s name

payerId – Payer’s Id

payerEgrpo – payer’s USREOU

paymentType – Payment type: 0 - cash, 1 – non-cash

dateSend – Dispatch date

dateReceive – Arrival date

state – Receipt status (see directory 8.1)

Currency – Currency code

partnerNumber – Partner declaration number

paymentStatus – Payment status

paymentDate – Payment date

lockShipping – Prohibition on issuance

totalCountPlace – Total number of parcels

totalWeight – Total weight

totalSize – Total size

warehouseWarehouseAmount – Transportation price without discounts and additional services

discountAmount – Discount amount

lossesDescountAmount – Discount loss amount

totalAmount – Total receipt value

insuranceValue – Insurance value of the cargo

SafetyDealMoneyStatus – Safety Deal funds status

duArray – List of additional services

possibleReceiverArray – List of possible recipients

egArray – List of the cargo units

receiptsArray – List of related receipts

[

Number – Receipt number,

state – Receipt status,

receiptType – Receipt type,

paymentType – Payment type 1- non-cash, 0- cash,

paymentStatus – Flag, payment status,

paymentDate – Payment date,

currency – Currency code,

payerId – Payer’s id,

payer – Payer’s name,

totalAmount – Total receipt value,

clientCardId – Client card id,

clientCard – Abbreviated customer card number,

codSender – Sender’s name,

codSenderPhone – Sender’s phone number,

isGiveMoney – Whether the money was issued to the recipient of the transfer,
codWarehouse – Warehouse of dispatch/receipt of transfer,

codCity – City of dispatch/receipt of transfer,

codGiveMoneyDate – Date of issue of transfer to the sender

]

Output parameters format

application/json, text/json

Example:

In json format:

```
{
  "status": true,
  "message": "",
  "data": {
    "areasSendId": "ebc7639a-db2a-e311-8b0d-00155d037960",
    "areasSend": "Сімферополь",
    "areasReceiveId": "16617df3-a42a-e311-8b0d-00155d037960",
    "areasReceive": "Київ",
    "warehouseSendId": "ab3b6d45-b249-e211-ab75-00155d012d0d",
    "warehouseSend": "СІМФЕРОПОЛЬ-1",
    "warehouseReceiveId": "0c51680d-e932-e211-a357-00155d053b5d",
    "warehouseReceive": "КИЇВ-11",
    "deliveryScheme": 1,
    "number": "9900034260",
    "sender": "!! Іванков Іван Тест",
    "senderId": "cdbfe2d5-bf02-4c0d-b7d6-5cf277761c50",
    "senderEgrpo": "",
    "receiver": "!! Новий Клієнт Київ",
    "receiverId": "e05db89f-5166-e411-b380-000d3a200936",
    "receiverEgrpo": "12345678",
    "payer": "!! Новий Клієнт Київ",
    "payerId": "e05db89f-5166-e411-b380-000d3a200936",
    "payerEgrpo": "12345678",
    "paymentType": 0,
    "dateSend": "2015-09-14T00:00:00",
    "dateReceive": "2015-09-28T00:00:00",
    "state": 8,
    "Currency": 100000000,
    "partnerNumber": "2323",
    "paymentStatus": false,
    "paymentDate": null,
    "lockShipping": false,
    "totalCountPlace": "2",
    "totalWeight": 1.010,
    "totalSize": 1.010000,
    "warehouseWarehouseAmount": 2982.000,
    "discountAmount": 0.0,
    "lossesDiscountAmount": 0.00,
    "totalAmount": 7682.500,
    "insuranceValue": 10000.000,
    "SafetyDealMoneyStatus": "Повернені",
    "duArray": [
      {
        "uslugaId": "f8e3c68a-100d-e411-8c28-00155d015206",
        "name": "Доставка до 500 кг ОБЛ",
        "count": 1,
        "cost": 68.50000,
        "addressId": "b366f3a5-5166-e411-b380-000d3a200936",
        "address": "вул. Щетинина дім 2 кв ",
        "type": 2
      },
      {
        "uslugaId": "fc45b052-ebda-44bf-b186-603b18046448",
        "name": "Підйом на поверх до 5 кг",
        "count": 4,
        "cost": 0.00000,
        "addressId": null,
        "address": null,
        "type": 4
      },
      {
        "uslugaId": "8105e479-351f-e511-9ab9-000d3a200160",
        "name": "Доупаковка MIDI // темна",
        "count": 2,
        "cost": 18.00000,
        "addressId": null,
        "address": null,
        "type": null
      },
      {
        "uslugaId": "989299b0-120d-e411-8c28-00155d015206",
        "name": "Забор вантажу до 500 кг",
        "count": 1,
        "cost": 180.00000,
        "addressId": "35f85f41-2681-e411-bf77-000d3a200160",
        "address": "вул. Щорса дім 33 кв ",
        "type": 1
      },
      {
        "uslugaId": "449b53aa-1215-43ac-a37f-a4ed48a0d953",
        "name": "Спуск з поверху до 5кг",
        "count": 5,
        "cost": 0.00000,
        "addressId": null,
        "address": null,
        "type": 3
      },
      {
        "uslugaId": "8321e03d-7f4a-e211-8b7c-00155d012d0d",
        "name": "Оформлення  багажу",
        "count": 2,
        "cost": 6.00000,
        "addressId": null,
        "address": null,
        "type": null
      },
      {
        "uslugaId": "7c4fbf45-dc0c-e411-8c28-00155d015206",
        "name": " Повернення документів ОБЛ",
        "count": 1,
        "cost": 40.00000,
        "addressId": null,
        "address": null,
        "type": 5
      }
    ],
    "possibleReceiverArray": [],
    "receiptsArray": [
      {
        "number": "9900034261",
        "state": 8,
        "receiptType": 10,
        "paymentType": 1,
        "paymentStatus": false,
        "paymentDate": null,
        "currency": 100000000,
        "payerId": "e05db89f-5166-e411-b380-000d3a200936",
        "payer": "!! Новий Кліэнт Київ",
        "totalAmount": 10000.000,
        "clientCardId": "2548d998-7b98-4bd9-902a-671729662fc2",
        "clientCard": "5168*******6956",
         "codSender": "Тестов Тест Тестович",
       "codSenderPhone": "0501112233",
       "isGiveMoney": false,
       "codWarehouse": "Київ-14",
       "codCity": "КИЇВ"
      },
      {
        "number": "9900034262",
        "state": 8,
        "receiptType": 6,
        "paymentType": 1,
        "paymentStatus": false,
        "paymentDate": null,
        "currency": 100000000,
        "payerId": "cdbfe2d5-bf02-4c0d-b7d6-5cf277761c50",
        "payer": "!! Іванков Іван Тест",
        "totalAmount": 40.000,
        "clientCardId": null,
        "clientCard": "",
        "codSender": "",
       "codSenderPhone": "",
       "isGiveMoney": false,
       "codWarehouse": "",
       "codCity": ""
      }
    ],
    "egArray": [
      {
        "cargoCregoryId": "0656bab4-e62c-e411-bd10-000d3a200936",
        "cargoCregory": "Автоаксесуари",
        "count": 1,
        "weight": 1.000,
        "size": 1.000000,
        "isEconomy": false,
        "cost": 2952.000
      },
      {
        "cargoCregoryId": "0f07d03b-9e36-e311-8b0d-00155d037960",
        "cargoCregory": "Документи",
        "count": 1,
        "weight": 0.010,
        "size": 0.010000,
        "isEconomy": false,
        "cost": 30.000
      }
    ]
  }
}
```

6.15 Creating an address or a recipient - method PostCreateAddressOrClient.

POST api/v4/Public/PostCreateAddressOrClient

The method requires authorization via API key

Input parameters

Name	Data type	Description
input	ClientModel or AddressModel	Model that describes input parameters

Input data example:

```
{ //Model for creating a possible recipient
     "AccountId": "",
     "ClientType": "false", //Client type false-physical. person true– legal entity
     "Name":"", //Name of organization (legal entity)
    "SecondName": "Тестовий", //Last name
     "FirstName": "Клієнт", //First name
    "LastName": "ДляСайту", //Patronymic
     "CityId": "16617df3-a42a-e311-8b0d-00155d037960", //City Id
     "Egrpo":"", //Client’s USREO
     "PhoneNumber":"0509996665", //Client’s phone number
     "Street":"вул. Щорса", //Street
     "House":"17", //House
     "Appartament":"3", // Apartment
     "senderId": "c11d0fff-b75d-e411-b4c0-000d3a200936" //Sender’s Id
 }

 { //Model for creating an address
     "AccountId": "1541a45b-1a56-e511-89e5-000d3a200160", //Client Id
     "CityId": "16617df3-a42a-e311-8b0d-00155d037960", //City Id
     "Street": "вул. Васильківська", //Street
     "House": "17", //House
     "Appartament": "3", //Apartment
     "senderId": "c11d0fff-b75d-e411-b4c0-000d3a200936" //Sender’s Id
 }
```

Output parameters

Output parameters format

application/json, text/json

Example:

In json format:

```
{
  "status": true,
  "data": {
    "address": {
      "Id": 98240,
      "Street": "вул. Щорса",
      "House": "17",
      "Appartament": "3",
      "AccountId": "1541a45b-1a56-e511-89e5-000d3a200160",
      "CityId": "16617df3-a42a-e311-8b0d-00155d037960",
      "Territoria": null,
      "StateCode": 0,
      "EntityId": "b280f4a4-1a56-e511-89e5-000d3a200160",
      "Index": null
    },
    "account": {
      "Id": 278147,
      "AccountId": "1541a45b-1a56-e511-89e5-000d3a200160",
      "ClientType": false,
      "Name": "!! Тестовий Клієнт Для сайту 102",
      "FirstName": "Клієнт",
      "LastName": "Для сайту 102",
      "SecondName": "!! Тестовий",
      "PaymentType": true,
      "CityId": "16617df3-a42a-e311-8b0d-00155d037960",
      "Egrpo": "",
      "Inn": "",
      "Kpp": "",
      "OwnershipCode": 100000066,
      "PhoneNumber": "0509996665",
      "SmsPhoneNumber": "0509996665",
      "ParentAccountId": null,
      "ParentAccountName": "",
      "StateCode": 0,
      "CountryCode": "38",
      "MasterId": null
    }
  }
}
```

6.16 Getting information from receipt sticker - method GetStickers.

GET api/v4/Public/GetStickers?number={number}

The method requires authorization via API key

Input parameters

Name	Data type	Default value	Description
number	String	*	Receipt number

Output parameters

Represents as json. Collection of objects {barcode, categoryName, receiptNumber, receiver, dateSend, dateReceive, warehouseSend, warehouseReceive, totalPlaces, rang, econom, delivery}.

Barcode – Barcode

categoryName – Product category

receiptNumber – Receipt number

receiver – Recipient's name

dateSend – Dispatch date

dateReceive – Arrival date

warehouseSend – Dispatch warehouse

warehouseReceive – Arrival warehouse

totalPlaces – Total amount of parcels

rang – Rank

econom – Economical but longer delivery

delivery – Is there a targeted delivery

Output parameters format

application/json, text/json

Example:

In json format:

```
{
  "data": [
    {
      "barcode": "9900000126001011160",
      "categoryName": "Дитячі товари",
      "receiptNumber": "9900000126",
      "receiver": "!! Іванков Отримува Олександрія",
      "dateSend": "2014-11-08T11:53:01",
      "dateReceive": "2014-11-12T00:00:00",
      "warehouseSend": "МАРІУПОЛЬ-1",
      "warehouseReceive": "ОЛЕКСАНДРІЯ",
      "totalPlaces": "11",
      "rang": 1,
      "econom": false,
      "delivery": true,
      "postomat": false
    }
  ],
  "status": true,
  "message": ""
}
```

In xml format:

```
<ApiResultStickers>
   <status>true</status>
   <message/>
   <data>
      <Sticker>
         <barcode>9900000126001011160</barcode>
         <categoryName>Дитячі товари</categoryName>
         <receiptNumber>9900000126</receiptNumber>
         <receiver>!! Іванков Отримувач Олександрія</receiver>
         <dateSend>2014-11-08T11:53:01</dateSend>
         <dateReceive>2014-11-12T00:00:00</dateReceive>
         <warehouseSend>МАРІУПОЛЬ-1</warehouseSend>
         <warehouseReceive>ОЛЕКСАНДРІЯ</warehouseReceive>
         <totalPlaces>11</totalPlaces>
         <rang>1</rang>
         <econom>false</econom>
         <delivery>true</delivery>
         <postomat>false</postomat>
      </Sticker>
   </data>
</ApiResultStickers>
```

6.17 Consolidation of receipts into one pick up request - method PostAddReceiptIntoPickUpRequest.

POST api/v4/Public/PostAddReceiptIntoPickUpRequest

The method requires authorization via API key

Input parameters

Name	Data type	Description
input	ExptactReceiptModel	A model that describes the input and output parameters of the receipt

Input parameters example:

```
var data = {
     "pickUpContactName": "Василь", //Contact person for pick up
     "pickUpContactPhone": "0500000000", // Pick up contact phone number
     "descentFromFloor": 4, //Descent from the floor
     "pickUpDate": "2024-07-31T00:00:00", //Pick up date
     "receiptNumberList": ["9900070818", "9900070822", "9900070823"] //Array of receipt
     numbers
}
```

As an array, you can send receipts united by one city of dispatch, date of dispatch. The receipts must be created via the API with schemes 1 (door-to-door) or 3 (door-to-warehouse) to the same address, to which one general order will be placed.

Output parameters

Output parameters format

application/json, text/json

Example:

In json format:

```
{
  "status": true,
  "message": "",
  "data": []
}
```

In xml format:

```
<ApiResult>
        <status>true</status>
        <message/>
        <data />
</ApiResult>
```

6.18 Getting the sending register - method SendingRegister.

GET uk-UK/SharedForms/SendingRegister?id={id}&type={type}

Input parameters

Name	Data type	Default value	Description
id	String	*	Request number for the cargo pick up
type	Int	1	Output printed form type 0 or 1 (example below)

Output parameteers

Output parameters format

File with html extension

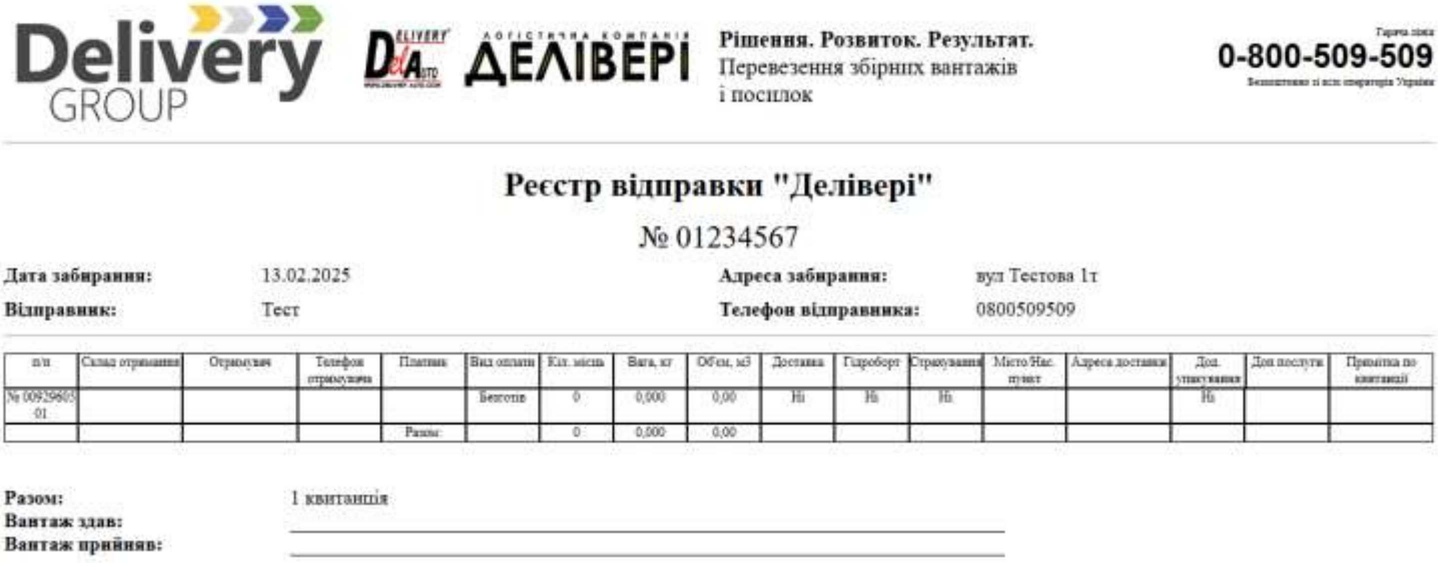
Example link:

https://www.delivery-auto.com/uk-UA/SharedForms/SendingRegister?id=00123456&type=0

Output file:

Register_00123456.html

Printed form type 1



Рішення. Розвиток. Результат.
Перевезення збірних вантажів
і посилок

Гаряча лінія
0-800-509-509
Безкоштовно зі всіх операторів України

Реєстр відправки "Делівері"

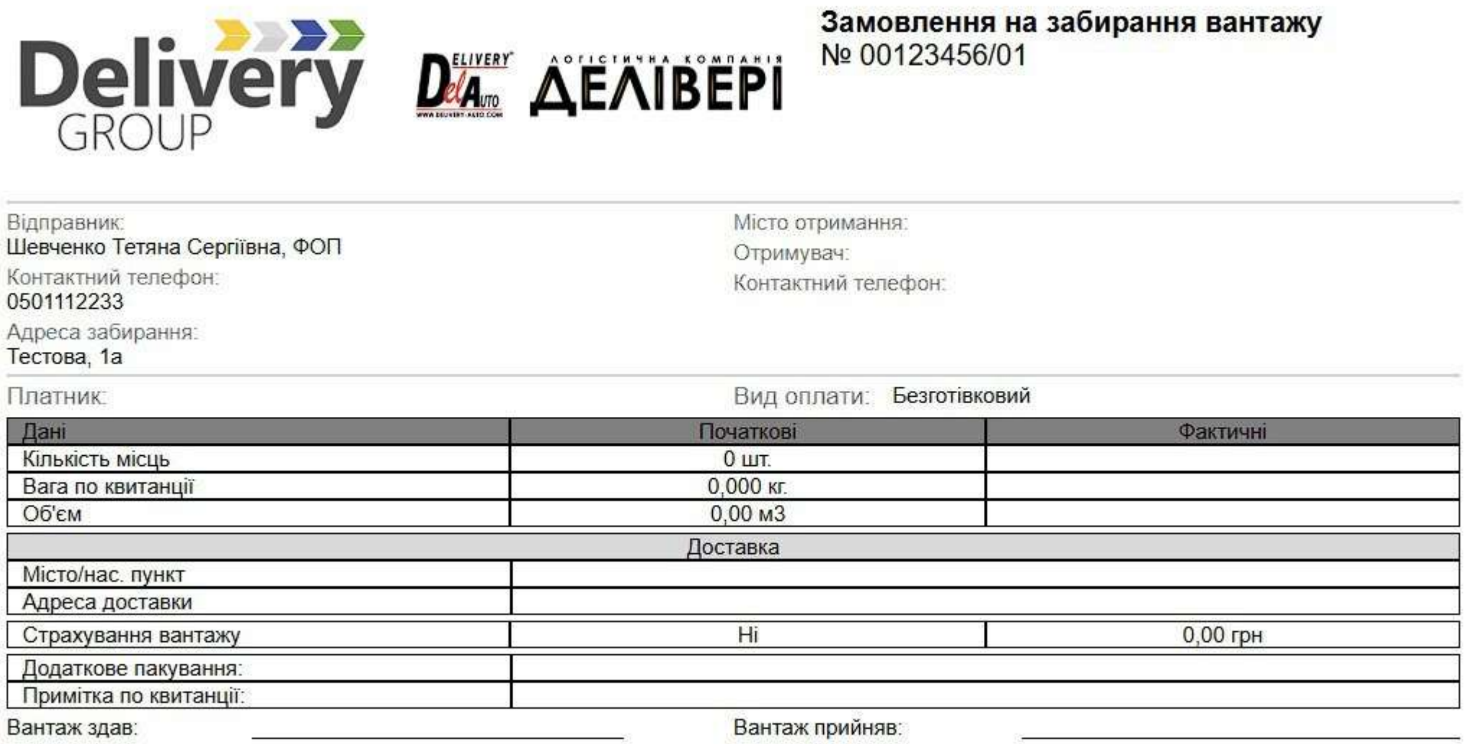
№ 01234567

Дата забирання:	13.02.2025	**Адреса забирання:**	вул Тестова 1т
Відправник:	Тест	**Телефон відправника:**	0800509509

п/п	Склад отримання	Отримувач	Телефон отримувача	Платник	Вид оплати	Кіл. місць	Вага, кг	Об'єм, м3	Доставка	Гідроборт	Страхування	Місто/Нас. пункт	Адреса доставки	Дод. упакування	Доп послуги	Примітка по квитанції
№ 00929605-01					Безготів	0	0,000	0,00	Ні	Ні	Ні			Ні		
				Разом:		0	0,000	0,00								

Разом: 1 квитанція
Вантаж здав: ______________________
Вантаж прийняв: ______________________

Printed form type 0



Delivery GROUP

DELIVERY DelAuto

ЛОГІСТИЧНА КОМПАНІЯ ДЕЛІВЕРІ

Замовлення на забирання вантажу
№ 00123456/01

Відправник: Шевченко Тетяна Сергіївна, ФОП	Місто отримання:
Контактний телефон: 0501112233	Отримувач:
Адреса забирання: Тестова, 1а	Контактний телефон:

Платник:

Вид оплати: Безготівковий

Дані	Початкові	Фактичні
Кількість місць	0 шт.	
Вага по квитанції	0,000 кг.	
Об'єм	0,00 м3	
Доставка		
Місто/нас. пункт		
Адреса доставки		
Страхування вантажу	Ні	0,00 грн
Додаткове пакування:		
Примітка по квитанції:		

Вантаж здав: ______________________ Вантаж прийняв: ______________________

7. Operations with receipt logs

7.1 Getting receipt logs – method GetUnidersalLogsByReceiptNumber.

GET /api/v4/Public/GetUnidersalLogsByReceiptNumber?number={number}&culture={culture}

The method requires authorization

Input parameters

Name	Data type	Default value	Description
number	String	*	Receipt number
culture	String	uk-UA	Culture; Valid values (en-US, uk-UA).

Output parameters

Represents a list of json objects. Object {id, CreatedOn, WarehouseId, WarehouseName, OperationCode, OperationName }.

CreatedOn – Creation data

WarehouseId – Warehouse Id

WarehouseName – Warehouse name

OperationCode – Operation code

OperationName – Operation name

Output parameters format

application/json, text/json

Example:

```
{
  "status": true,
  "message": "",
  "calculatorModel": [
    {
      "CreatedOn": "2014-12-22T13:12:39.393",
      "WarehouseId": "bdff546c-cb16-e211-89ed-00155d053b5d",
      "WarehouseName": "КИЇВ-1",
      "OperationCode": 100000002,
      "OperationName": "Оформлення квитанції на складі",
      "Number": null
    },
    {
      "CreatedOn": "2014-12-23T08:11:20.593",
      "WarehouseId": "265757bd-3ed7-e211-bafa-00155d037932",
      "WarehouseName": "РІВНЕ-ТРАНЗИТ",
      "OperationCode": 100000061,
      "OperationName": "Вивантажено з автомобіля",
      "Number": null
    }
  ]
}
```

8. Additional directories

8.1 Receipt status directory

Code	Meaning
0	Issued. The cargo has been delivered to the recipient in full size.
1	Partially issued. The cargo was not delivered to the recipient in full size.
2	Formalized. The cargo has arrived at the warehouse of dispatch.
3	Disposed
4	Sold
5	Canceled
6	On the way. The cargo is on the way.
7	Available for issue. The cargo has arrived at the receiving warehouse.
8	Reserved
9	Forwarded to another warehouse
10	Unloading in the warehouse
11	The cargo has arrived at the transit warehouse
12	Preparing for delivery by courier
13	Is being delivered by courier

8.2 Currency directory

Code	Meaning
100000000	Hryvnia

8.3 Operation codes dirctory

Operation code	Description
100000002	Formalization of a receipt in the warehouse
100000013	Change receipt arrival date
100000016	Forwarding a receipt between warehouses of the same city
100000018	Loading cargo into a car
100000026	Change the date of receiving the receipt on delivery
100000059	Loading cargo into a car
100000060	Unloading cargo from the car
100000061	Unloading cargo from the car
100000062	Loading cargo into a car
100000070	Cancellation of the issuance of a receipt
100000072	Issuance of cargo to the client
100000079	Loading cargo into a car
100000082	Forwarding a receipt between cities
100000111	Formalization of a receipt in the warehouse
100000115	Formalization of the return receipt in the warehouse
100000122	Cancellation of the issuance of a receipt
100000125	Issuance of cargo to the client
100000132	Unloading cargo from the car

8.4 Receipts types directory

Code	Meaning
2	Regular receipt
4	Forwarding
5	Delivery
6	Insurance
7	Cargo pick up
8	Service sales
10	On card transfer
11	Courier delivery
13	Transfer
14	Refundable payment

8.5 Order status directory

Status code	Description
100000000	Open
100000001	Closed
100000002	Canceled
100000003	Created by customer