

HOW TO USE UKRPOSHTA API

BASIC WORKFLOW

In order to create a simple shipment in our system and print a sticker:

1. Create an address of the sender.
2. Create an address of the recipient.
3. Create a sender-client.
4. Create a recipient-client.
5. Create a shipment (shipment group).
6. Print a sticker.

Data for requests

URI for creating addresses, client, and shipments:

<https://www.ukrposhta.ua/ecom/0.0.1/>

URI for creating stickers:

<https://www.ukrposhta.ua/forms/ecom/0.0.1/>

Authorization

To send a request pass the following header parameters:

- Authorization: Bearer {your Bearer Ecom};
- Content-Type: application/json.

The created records are also protected by your user token (each request except the addresses).

The request structure is described in more detail in the documentation*.

The following methods are used to work with data through the API:

- ▶ GET. Method GET is used to retrieve information previously added to the system (addresses, client, shipments, etc.).
- ▶ POST. Method POST is used to create new records in the system (creating an address, client or shipment)
- ▶ PUT. Method PUT is used to update/change data in the system (update the client's address, change the length or weight of the shipment, etc.)
- ▶ DELETE. Method DELETE is used for individual operations of deleting data from the system (for example, to delete a created shipment).

Attention: Shipment can be changed or deleted until it is registered at the post office.

*For more details, see the API documentation for shipments across Ukraine, which can be found on the page: <https://dev.ukrposhta.ua/documentation>

CREATE AN ADDRESS OF THE SENDER AND/OR RECIPIENT

Please, send the following request, providing the required information You have in the request body.

In the response body You will receive an Id (addressId). This value must be used when creating the clients – in order to add the client's address.

POST Request URI:/addresses

```
{
  "postcode":"07401",
  "country":"UA",
  "region":"Київська",
  "city":"Бровари",
  "district":"Київський",
  "street":"Котляревського",
  "houseNumber":"12",
  "apartmentNumber":"33"
}
```

Response Response code: 200

```
{
  "id":50302113,
  "postcode":"07401",
  "region":"Київська",
  "district":"Київський",
  "city":"Бровари",
  "street":"Котляревського",
  "houseNumber":"12",
  "apartmentNumber":"33",
  "description":null,
  "countryside":false,
  "foreignStreetHouseApartment":null,
  "detailedInfo":"Україна, 07401, Київська, Київський, Бровари, Котляревського
12, 33",
  "created":"2019-11-12T17:21:49",
  "lastModified":"2019-11-12T17:21:49",
  "country":"UA"
}
```

CREATE A SENDER AND/OR RECIPIENT

Please, send the following request, providing the required information You have in the request body. Use the address Id, received in the previous step, in order to set the address of sender and/or recipient.

POST Request
URI:/clients?token={token}
(Company)

```
{  
  "type": "COMPANY",  
  "name": "ТОВ Лімон Банк",  
  "uniqueRegistrationNumber": "0035",  
  "addressId": "{addressId}",  
  "phoneNumber": "0671231234",  
  "email": "test@test.com",  
  "bankAccount": "UA07380805000000026000439806",  
  "resident": true,  
  "edrpou": "40145721"  
}
```

Response
Код відповіді: 200

```
{  
  "uuid": "2e88b642-06ab-44e5-9a28-7acab533ed88",  
  "name": " ТОВ Лімон Банк ",  
  "firstName": null,  
  "middleName": null,  
  "lastName": null,  
  "latinName": null,  
  "postId": null,  
  "externalId": null,  
  "uniqueRegistrationNumber": "0035",  
  "counterpartyUuid": "b17859c4-7fae-46b1-9243-31985df82fd9",  
  "addressId": 7435476,  
  "addresses": [  
    {  
      "uuid": "4a16add9-a2de-45a3-adc0-512a076006c9",  
      "addressId": 7435476,  
      "address": {  
        "id": 7435476,  
        "postcode": "04071",  
        "region": "Київ",  
        "district": "Подільський",  
        "city": "Київ",  
        "street": "Хорива",  
        "houseNumber": "40",  
        "apartmentNumber": "20",  
        "description": "none",  
        "countryside": false,  
        "foreignStreetHouseApartment": null,  
        "detailedInfo": "Україна, 04071, Київ, Подільський, Київ, Хорива 40,  
20, none",  
        "created": "2019-08-07T09:37:56",  
        "lastModified": "2019-08-07T09:37:56",  
      }  
    }  
  ]  
}
```

```
        "country": "UA"
      },
      "type": "PHYSICAL",
      "main": true
    }
  ],
  "phoneNumber": "+380671231234",
  "phones": [
    {
      "uuid": "957f83be-666b-4c88-bbc3-b6dfbced3a89",
      "phoneId": 24645,
      "phoneNumber": "+380671231234",
      "type": "PERSONAL",
      "main": true
    }
  ],
  "email": "test@test.com",
  "emails": [
    {
      "uuid": "0b92770a-4186-4b99-ad5f-21570f207410",
      "email": "test@test.com",
      "main": true
    }
  ],
  "type": "COMPANY",
  "postPayPaymentType": "POSTPAY_PAYMENT_CASH_ONLY",
  "edrpou": "40145721",
  "bankAccount": "UA07380805000000026000439806",
  "contactPersonName": null,
  "resident": true,
  "GDPRRead": false,
  "GDPRAccept": false,
  "personalDataApproved": false,
  "checkOnDeliveryAllowed": true
}
```

CREATE A SHIPMENT

Please, send the following request, providing the required information You have in the request body. Use the sender and recipient uuid.

Please note! For convenience, you can combine shipments into groups. Everything related to groups of shipments is described in the next step.

POST Request
URI: /shipments?token={token}

```
{
  "sender":{
    "uuid":"{SenderUuid}"
  },
  "recipient":{
    "uuid":"{RecipientUuid}"
  },
  "senderAddressId":"{{senderAddressId}}",
  "deliveryType":"W2D",
  "paidByRecipient":true,
  "nonCashPayment": false,
  "parcels":[
    {
      "weight":1200,
      "length":170
    }
  ]
}
```

Response
Response code: 200

```
{
  "uuid":"9d6285f1-1693-4ea0-8c55-29e13ca8eed2",
  "type":"EXPRESS",
  "sender":{
    "uuid":"3b699af0-276b-4c94-8bef-2bb63a01099f",
    "name":"ФООП Петренко",
    "firstName":null,
    "middleName":null,
    "lastName":null,
    "latinName":"FOP petrenko",
    "postId":null,
    "externalId":null,
    "uniqueRegistrationNumber":"0035",
    "counterpartyUuid":"f48ad867-cb08-426f-9db8-b478e4e320d1",
    "addressId":515862,
    "addresses":[
      {
        "uuid":"9652719b-2f85-4466-bcce-feb3d0e045fd",
        "addressId":515837,
        "address":{
          "id":515837,
          "postcode":"04071",
          "region":"Kyiv",
          "district":null,
          "city":"Kyiv",

```

```
    "street": "Khoriva",
    "houseNumber": "40",
    "apartmentNumber": "20",
    "description": "none",
    "countryside": false,
    "foreignStreetHouseApartment": null,
    "detailedInfo": "Україна, 04071, Kyiv, Kyiv, Khoriva 40, 20, none"
  },
  "created": "2019-03-06T14:23:02",
  "lastModified": "2019-03-06T14:23:02",
  "country": "UA"
},
"type": "PHYSICAL",
"main": false
},
{
  "uuid": "537449ab-5fdd-4022-9147-b0c8ed466f32",
  "addressId": 515862,
  "address": {
    "id": 515862,
    "postcode": "04071",
    "region": "Київ",
    "district": "Подільський",
    "city": "Київ",
    "street": "Хорива",
    "houseNumber": "40",
    "apartmentNumber": "20",
    "description": "none",
    "countryside": false,
    "foreignStreetHouseApartment": null,
    "detailedInfo": "Україна, 04071, Київ, Подільський, Київ, Хорива 4
0, 20, none",
    "created": "2019-03-06T14:23:04",
    "lastModified": "2019-03-06T14:23:04",
    "country": "UA"
  },
  "type": "PHYSICAL",
  "main": true
}
],
"phoneNumber": "+380672802273",
"phones": [
  {
    "uuid": "55dfa5ff-7d4e-4de1-a28b-6b56d4febd46",
    "phoneId": 387865,
    "phoneNumber": "+380672802273",
    "type": "PERSONAL",
    "main": true
  }
],
"email": "",
"emails": [
],
"type": "PRIVATE_ENTREPRENEUR",
```

```
"postPayPaymentType": "POSTPAY_PAYMENT_CASH_AND_CASHLESS",
"bankCode": "838012",
"bankAccount": "UA07380805000000026000439806",
"tin": "4201030327",
"contactPersonName": "Аркадий Петрович Боровиков",
"resident": true,
"GDPRRead": false,
"GDPRAccept": false,
"personalDataApproved": true,
"checkOnDeliveryAllowed": true
},
"dropOffPostcode": "04071",
"recipient": {
  "uuid": "b533c4a3-e483-4e73-b13b-dbaa53d7e180",
  "name": "Іванов Іван Іванович",
  "firstName": "Іван",
  "middleName": "Іванович",
  "lastName": "Іванов",
  "latinName": "Ivan Ivanov",
  "postId": null,
  "externalId": "1045362",
  "uniqueRegistrationNumber": " 002",
  "counterpartyUuid": "f48ad867-cb08-426f-9db8-b478e4e320d1",
  "addressId": 515834,
  "addresses": [
    {
      "uuid": "08afd9d7-6cb4-4d0c-a884-6d85a79de34a",
      "addressId": 515834,
      "address": {
        "id": 515834,
        "postcode": "08436",
        "region": "Київська",
        "district": "Боярка",
        "city": "Стовп'яги",
        "street": "Франка",
        "houseNumber": "21",
        "apartmentNumber": null,
        "description": "none",
        "countryside": true,
        "foreignStreetHouseApartment": null,
        "detailedInfo": "Україна, 08436, Київська, Боярка, Стовп'яги, Фран
ка 21, none",
        "created": "2019-03-06T14:23:01",
        "lastModified": "2019-03-06T14:23:01",
        "country": "UA"
      },
      "type": "PHYSICAL",
      "main": true
    }
  ],
  "phoneNumber": "+380982004113",
  "phones": [
    {
      "uuid": "7118919c-f0fe-48ce-b304-f12297bbaf26",
      "phoneId": 19716,
```



```
    "phoneNumber":"+380504001050",
    "type":"WORK",
    "main":false
  },
  {
    "uuid":"776e26db-bfb8-440f-b6cb-95fbdc79c8d7",
    "phoneId":19717,
    "phoneNumber":"+380442551122",
    "type":"PERSONAL",
    "main":false
  },
  {
    "uuid":"d9367416-a228-4cc4-b648-82ffb9d3761f",
    "phoneId":19715,
    "phoneNumber":"+380982004113",
    "type":"PERSONAL",
    "main":true
  }
],
"email":"test@test.com",
"emails":[
  {
    "uuid":"0d6f9d60-6574-486f-9b73-148505af4527",
    "email":"test@test.com",
    "main":true
  }
],
"documents":[
  {
    "uuid":"1ad7f198-460c-4e6a-a169-88bcaec35d00",
    "type":"UKRAINE_INTERNAL_PASSPORT",
    "series":"B3",
    "number":"654321",
    "issueDate":"10.05.2015",
    "issuedBy":"Дарницький УПОБ",
    "assigned":"06.03.2019",
    "lastModified":"06.03.2019"
  },
  {
    "uuid":"e51064c2-3bd5-4d7a-91f3-5ea4aa93824c",
    "type":"UKRAINE_INTERNAL_TEMPORARY_IDENTIFIER",
    "number":"1234569",
    "issueDate":"10.04.2017",
    "issuedBy":"Подільське РВДМУ МВС в місті Києві",
    "assigned":"06.03.2019",
    "lastModified":"06.03.2019"
  },
  {
    "uuid":"96b7a195-06e5-4388-b412-e7e9746e6365",
    "type":"FOREIGN_PASSPORT",
    "number":"WE53964679",
    "issueDate":"10.05.1985",
    "issuedBy":"Greece international passport",
    "assigned":"06.03.2019",
    "lastModified":"06.03.2019"
  }
]
```

```
    }
  ],
  "type": "INDIVIDUAL",
  "postPayPaymentType": "POSTPAY_PAYMENT_CASH_ONLY",
  "bankCode": null,
  "bankAccount": null,
  "tin": "2024425625",
  "contactPersonName": null,
  "resident": true,
  "GDPRRead": false,
  "GDPRAccept": false,
  "personalDataApproved": false,
  "checkOnDeliveryAllowed": false
},
"recipientPhone": "+380982004113",
"recipientEmail": "test@test.com",
"recipientAddressId": 515834,
"senderAddressId": 515862,
"returnAddressId": 515862,
"shipmentGroupUuid": null,
"externalId": null,
"deliveryType": "W2D",
"packageType": null,
"onFailReceiveType": "RETURN",
"barcode": "5551400000659",
"weight": 1200,
"length": 170,
"width": 0,
"height": 0,
"declaredPrice": null,
"deliveryPrice": 342,
"rawDeliveryPrice": 360,
"postPay": null,
"postPayUah": 0,
"postPayDeliveryPrice": 0,
"currencyCode": null,
"postPayCurrencyCode": null,
"currencyExchangeRate": null,
"discounts": [
  {
    "uuid": "f5a0b397-c78d-4e84-9411-defa4aeeebd3",
    "name": "За використання особистого кабінета 5%",
    "fromDate": "2017-01-01",
    "toDate": "2099-12-31",
    "value": 5,
    "category": "CONTRACT_DISCOUNT",
    "type": "BASE"
  }
],
"lastModified": "2019-03-13T11:02:49",
"description": null,
"parcels": [
  {
    "uuid": "fb56bbda-e400-4ae0-ab62-ab87591274f3",
    "name": null,

```

```
    "parcelNumber":1,
    "barcode":"5551400000659",
    "weight":1200,
    "length":170,
    "width":null,
    "height":null,
    "declaredPrice":null,
    "parcelItems":null,
    "description":null
  }
],
"direction":{
  "regionSortingCenter":"Київ",
  "districtSortingCenter":"ДОП Яготин ЦПЗ № 8 м. Яготин",
  "postOfficeNumber":"08436",
  "postOfficeName":"Київська"
},
"lifecycle":{
  "status":"CREATED",
  "statusDate":"2019-03-13T11:02:49"
},
"deliveryDate":"2019-03-14T00:00:00",
"calculationDescription":"Price=342.00: price for the weight=0.00; tariff (EX
PRESS, REGION, 1200 g, 170 cm)=84.00; using max tariff=84.00; length overpay=252
.00; delivery type(W2D)=12.00; countryside=12.00; За використання особистого каб
інета 5%=18.00",
"paidByRecipient":true,
"postPayPaidByRecipient":true,
"bulky":true,
"fragile":false,
"bees":false,
"recommended":false,
"sms":false,
"toReturnToSender":null,
"international":false,
"documentBack":false,
"checkOnDelivery":false,
"transferPostPayToBankAccount":false,
"deliveryPricePaid":false,
"postPayPaid":false,
"postPayDeliveryPricePaid":false,
"packedBySender":false,
"free":false
}
```

CREATE A GROUP

Please, send the following http request with the required information in the request body. Use the sender uuid obtained in one of the previous steps.

By default, the group is created with the EXPRESS type

POST Request

URI:/shipment-groups?token={token}

```
{
  "name": "Group 1",
  "clientUuid": "{clientUuid}",
  "type": "EXPRESS"
}
```

Response

Код відповіді: 200

```
{
  "uuid": "15a67e90-10f9-4a5a-a3b1-0f259f910603",
  "name": "Group 1",
  "clientUuid": "916f812d-1e39-48c4-a819-63eb80f337cd",
  "type": "EXPRESS",
  "created": "2020-04-14T00:39:17",
  "closed": false
}
```

To add a shipment into a group

POST Request

URI:/shipment-groups/{shipmentGroupUuid}/shipments/{shipmentUuid}?token={token}

Response

Код відповіді: 200

```
{
  "message": "Shipment bb8a0da3-4895-4834-bc4d-2100a91104c7 is assigned to group 7b1412ab-9726-40d0-af39-5102f4f83711"
}
```

To create a shipment in the group

POST Request

URI:/shipment-groups/{shipmentGroupUuid}/shipments?token={token}

```
{
  "sender": {
    "uuid": "{SenderId}"
  },
  "recipient": {
    "uuid": "{RecipientUuid}"
  },
  "senderAddressId": "{senderAddressId}",
  "deliveryType": "W2D",
}
```

```
"paidByRecipient":true,  
"parcels":[  
  {  
    "weight":1200,  
    "length":170  
  }  
]  
}
```

Response

Код відповіді: 200

[See the response of the created shipment]

PRINT A STICKER

Please, send the following request, providing the uuid of the created shipment.
In response You will receive a generated PDF file.

GET request on {url}/shipments/{shipmentUuid}/sticker?token={token}

See the example of sticker below.

 Укрпошта		50 059 0000	01 54
			
Е	Київ	08436	П
	ДОП Яготин	Київська	
Від: ФОП Іваненко			
04071 Київ обл., Подільський р-н, Київ, Хорива, 40, 20			
+38067123123 Аркадій Петрович Боровиков			
08436	Стовп'яги	3 КГ	2 Г
ДО ВІДДІЛЕННЯ			
Кому: Петренко Василь Сергійович			
+380633082475			
КД	Огляд НЕ дозволено , Не повертати доставка 82.59 грн, П/плата 1025.89 грн, переказ 10.26 Посилка в Веселе		

If necessary, you can print labels by group of shipments

Please, send the following request, providing the uuid of the shipment group.
In response You will receive a generated PDF file

GET request on {url}/shipment-groups/{shipment_group_uuid}/sticker?token={token}

PRINT A FORM 103

Please, send the following request, providing the uuid of the group.
In the response You will receive a generated PDF file.


GET request on

{url}/shipment-groups/{shipment_group_uuid}/form103a?token={token}

See the example of sticker below.

Список «Group Standard» ф. 103А

згрупованих відправлень Укрпошта Стандарт поданих в _____
(вид, категорія) (найменування об'єкта поштового зв'язку)

Замовник ПАТ Укрпошта за договором _____ Код ЄДРПОУ/ПН:  42 01030 327
(найменування Замовника / Відправника) (№ договору)

№ п/п	Куди (поштова адреса)	Кому (найменування адресата)	№ телефону (адресата)	Особливі відмітки	Маса (г)	Найдовша із сторін (см)	Оголошена цінність відправлення, (грн.)	Сума післяплати, (грн.)	Плата за пересилання з ПДВ, (грн.)	Платник за пересилання відправлення Відправник / Одержувач	Плата за пересилання переказу післяплати, (грн.)	Платник за пересилання переказу післяплати Відправник / Одержувач	№ відправлення (ШКІ)
1	Японська 13, 45, Львів, Львівська, 79013	ТОВ Кузька і ко	+380672802273		10000	51			42	Відправник	0	Одержувач	4987900000557
2	Гагаріна 20, 33, Бровари, Київський, Київська, 07400	Іванов Іван Іванович	+380671231234		6000	71			129.6	Відправник	0	Одержувач	4987900000603
3	Японська 13, 45, Львів, Львівська, 79013	ТОВ Кузька і ко	+380672802273		100	51	0		24.24	Відправник	0	Одержувач	4987900000590
4	Гагаріна 20, 33, Бровари, Київський, Київська, 07400	Іванов Іван Іванович	+380671231234		30000	70	0		80	Відправник	0	Одержувач	4987900000581
5	Японська 13, 45, Львів, Львівська, 79013	ТОВ Кузька і ко	+380672802273		20000	70			65	Відправник	0	Одержувач	4987900000573
6	Гагаріна 20, 33, Бровари, Київський, Київська, 07400	Іванов Іван Іванович	+380671231234		15000	70			50	Відправник	0	Одержувач	4987900000565
7	Франка 21, Стояп'яги, Боярка, Київська, 08436	Іванов Іван Іванович	+380982004113	КД	5000	50	300		48	Відправник	0	Одержувач	4987900000549
8	Японська 13, 45, Львів, Львівська, 79013	ТОВ Кузька і ко	+380672802273	КД	2000	35	300		61.8	Відправник	0	Одержувач	4987900000530
9	Гагаріна 20, 33, Бровари, Київський, Київська, 07400	Іванов Іван Іванович	+380671231234		1000	35	2500	2500	60.4	Відправник	33	Одержувач	4987900000522
10	Японська 13, 45, Львів, Львівська, 79013	ТОВ Кузька і ко	+380672802273	КД	500	35	200		61.4	Відправник	0	Одержувач	4987900000514
11	Гагаріна 20, 33, Бровари, Київський, Київська, 07400	Іванов Іван Іванович	+380671231234		250	35	2000	2000	39.92	Відправник	40	Одержувач	4987900000506
	Всього:	11 відпр./11 місце			89850		5300	4500	662.36		73		