## Table of Contents

Table of Contents

[Table of Contents 1](#_Toc100224617)

[1 Interface Usage Methods 2](#_Toc100224618)

[1.1 Service Usage Methods 2](#_Toc100224619)

[1.2 Token Authentication 2](#_Toc100224620)

[2 Warehouse Services 3](#_Toc100224621)

[2.1 Upload Product API 3](#_Toc100224622)

[2.2 Query Product API  6](#_Toc100224623)

[2.3 Create Inbound List API 10](#_Toc100224624)

[3 Drop Shipping 13](#_Toc100224625)

[3.1 Create Drop Shipping Order API 13](#_Toc100224626)

[3.2 Pull Drop Shipping Order Tracking Number API 16](#_Toc100224627)

## 1 Interface Usage Methods

1.1 Service Usage Methods

API (Application Programming Interface), this interface is for programmers to use during programming. Systems and applications can access system resources and obtain OS services through this interface. It enables communication between computer software through a combination of definitions, programs, and protocols.

The general format of the **URL** is: **[http://Endpoint/uri](http://endpoint/uri%22%20%5Ct%20%22https%3A//chat.deepseek.com/a/chat/s/_blank)**

The parameters in the **URL** are described in Table **1-1**.

Table **1-1 URL** Parameter Description

|  |  |
| --- | --- |
| Parameter | Description |
| Endpoint | The URL of the web service entry point, obtained from the region and endpoint.PTOP System Endpoint: 192.168.13.201:8084 |
| URI | Resource path, i.e., the API access path. Obtained from the specific interface's URI module, For example, "/openApi​/v1​/warehouse​/products​/create". |

1.2 Token Authentication

Application Scenario

When using Token authentication for authentication and authorization, you need to include the following in the business interface request header:
token: Obtained from the PTOP client => Personal Center => OpenAPI documentation

clientId: Obtained from the PTOP client => Personal Center => OpenAPI documentation

Example:

token: 0b9031e6d44484fe8a5275a7e9819f9c

clientId: 56109589

## 2 Warehouse Services

2.1 Upload Product API

Interface Function

 Customers can submit information and upload products in bulk via the API.

Usage Instructions

Product information must be encapsulated in an array. If not modified, the customer's self-filled SKU must be unique.

Interface Type

 Table **2-1** Interface Type Description

|  |  |
| --- | --- |
| Request Method | POST |
| Access **URI** | /openApi/v1/warehouse/products/create |
| Communication Protocol | HTTP |

Request Parameters

 Table **2-2** Request Headers Parameter Description

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter Name | Required | Parameter Type | Default Value | Description |
| token | Yes | string | None | Refer to Token Authentication Example:0b9031e6d44484fe8a5275a7e9819f9c |
| clientId | Yes | Integer | None | Refer to Token Authentication Example:56109589 |

Table**2-3-1**Request Body Parameter Description

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter Name | Required | Parameter Type | Description |
| products | Yes | array | Product information array |

Table **2-3-2** products Parameter Description

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter Name | Required | Parameter Type | Description |
| cnName | Yes | string | Product Chinese name |
| enName | Yes | string | Product English name |
| categoryId | No | integer | Product category |
| image | No | string | Product logo image |
| customerSku | No | string | Customer self-filled SKU |
| barCode | Yes | string | Barcode |
| description | No | string | Product description |
| declaredValue | Yes | float | Declared value(USD) |
| weight | Yes | float | Weight(KG) |
| length | Yes | float | Length(cm) |
| width | Yes | float | Width(cm) |
| height | Yes | float | Height(cm) |
| hsCode | No | string | HS code |
| sourceArea | No | string | Origin |
| isBattery | Yes | integer | Whether it contains a battery: 0 No, 1 Yes |
| status | Yes | integer | Status: 1 Enabled; 2 Disabled |
| quantityWarning | No | integer | Inventory warning quantity |
| url | No | string | Web address |
| brand | No | float | Brand |
| certificate | No | string | Certification |
| size | No | string | Product size |
| color | No | string | Product color |
| sku | No | string | (Only for modification) Internal SKU value: valid for data modification |

Response Parameters

Table **2-4** Response Parameter Description

|  |  |  |
| --- | --- | --- |
| Parameter Name | Required | Description |
| code | integer | Result code |
| message | string | Execution result and error description |
| result | string | Execution success description |

Result Codes

Table **2-5** Result Code Description

|  |  |  |
| --- | --- | --- |
| Response Code | Result Code | Description |
| 200 | 0 | Success |
| 422 | 422 | Data validation error |
| 500 | 500 | Server interface error |

Interface Example

| Request Example

POST /openApi​/v1​/warehouse​/products​/create

{

 products[0][length]: 1

 products[0][quantityWarning]: 10

 products[0][size]: 1

 products[0][url]: www.123.com

 products[0][brand]: nike

 products[0][categoryId]: 1

 products[0][weight]: 2

 products[0][hsCode]: 1556541

 products[0][width]: 1

 products[0][cnName]: 12345

 products[0][color]: 黑色

 products[0][isBattery]: 0

 products[0][enName]: 12345

 products[0][barCode]: 155223333

 products[0][status]: 1

 products[0][customerSku]: 369529545

 products[0][sku]: p10000001

 products[0][description]: 42424255

 products[0][image]: http://image.com

 products[0][certificate]: www.123.com

 products[0][declaredValue]: 1.23

 products[0][sourceArea]: 美国

 products[0][height]: 1

}

| Response Example

Success：

HTTP/1.1 200

{

 "code": 0,

 "message": "success",

 "result": "提交成功：影响成功：0失败：1"

}

Failure：

HTTP/1.1 422

{

 "code": 422,

 "message": "field:products.0.height; The products.0.height must be a number."

}

2.2 Query Product API

Interface Function

 Customers can query product information by calling this interface.

Usage Instructions

Only specified or batch product data can be queried via pagination.

Interface Type

 Table **2-6** Interface Type Description

|  |  |
| --- | --- |
| Request Method | GET |
| Access **URI** | /openApi/v1/warehouse/products/getList |
| Communication Protocol | HTTP |

Request Parameters

 Table **2-7** Request Headers Parameter Description

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter Name | Required | Parameter Type | Default Value | Description |
| token | Yes | string | None | Refer to Token Authentication Example:0b9031e6d44484fe8a5275a7e9819f9c |
| clientId | Yes | Integer | None | Refer to Token Authentication Example:56109589 |

Table **2-8** Request Parameters Parameter Description

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter Name | Required | Parameter Type | Description |
| pageSize | No | integer | Number of data items per page, maximum cannot exceed **50**, default **30** |
| page | No | integer | Page number to retrieve |
| status | No | integer | Add filter - Normal (pass 1)/Disabled (pass 2) |
| sku | No | string/array | Product **SKU** (SKU value as **str** or **array**; **str** retrieves single item, **array** retrieves multiple items) |
| customerSku | No | string | Customer sku |
| cnName | No | string | Product Chinese name |
| enName | No | string | Product English name |
| barCode | No | string | Barcode |
| categoryId | No | integer | Product category ID |

Response Parameters

Table **2-9** Response Parameter Description

|  |  |  |
| --- | --- | --- |
| Parameter Name | Parameter Type | Description |
| code | integer | Result code |
| message | string | Execution result and error description |
| result | array | Return product information list result |

Table **2-10** result Parameter Description

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter Name | Required | Parameter Type | Description |
| currentPage | Yes | string | Current page |
| total | Yes | string | Total number |
| data | Yes | array | Product data list |

Table **2-11** data Parameter Description

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter Name | Required | Parameter Type | Description |
| sku | Yes | string | Platform SKU |
| customerSku | No | string | Customer self-filled sku |
| cnName | Yes | string | Product Chinese name |
| enName | Yes | string | Product English name |
| image | No | string | Product logo image |
| categoryId | No | integer | Product category ID |
| barCode | Yes | string | Barcode |
| description | No | string | Product description |
| declaredValue | Yes | float | Declared value (USD) |
| weight | Yes | float | Weight (g) |
| length | Yes | float | Length (cm) |
| width | Yes | float | Width (cm) |
| height | Yes | float | Height (cm) |
| hsCode | No | string | HS code |
| sourceArea | No | string | Origin |
| isBattery | Yes | integer | Whether it contains a battery: 0 No, 1 Yes |
| status | Yes | integer | Status: 1 Normal; 2 Disabled |
| quantityWarning | No | integer | Inventory warning quantity |
| url | No | string | Web address |
| brand | No | float | Brand |
| certificate | No | string | Certification |
| color | No | string | Product color |
| size | No | string | Product size |
| createTime | Yes | string | Creation time |
| category | No | string | Category name |
| style | No | string | Style number |
| stockets | No | array | Inventory |

Table **2-12** stockets Parameter Description

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter Name | Required | Parameter Type | Description |
| localCode | Yes | string | Warehouse |
| totalQuantity | Yes | integer | Inventory quantity |

Result Codes

Table 2-13 Result Code Description

|  |  |  |
| --- | --- | --- |
| Response Code | Result Code | Description |
| 200 | 0 | Success |
| 422 | 422 | Validator validation exception |
| 500 | 500 | Server interface error |

Interface Example

| Request Example

GET /openApi/v1/warehouse/products/getList?

pageSize=30&page=1&sku=p10000108

| Response Example

Success：

HTTP/1.1 200

{

 "code": 0,

 "message": "success",

 "result": {

 "currentPage": 1,

 "total": 1,

 "data": [

 {

 "sku": "p10000108",

 "customerSku": "93577846",

 "cnName": "短袖",

 "enName": "t-shirt",

 "image": null,

 "categoryId": 0,

 "productLine": null,

 "customerId": 1,

 "accountId": 10,

 "createTime": "2021-11-05 14:22:24",

 "barCode": "123596541",

 "description": null,

 "declaredValue": "1.00",

 "weight": 0.5,

 "length": 86,

 "width": 45,

 "height": 86,

 "hsCode": null,

 "sourceArea": null,

 "isBattery": 0,

 "status": "正常",

 "quantityWarning": null,

 "url": null,

 "brand": null,

 "certificate": null,

 "color": null,

 "size": null,

 "style": null,

 "category": "",

 "stockets": [

 {

 "localCode": "DE",

 "totalQuantity": "25"

 }

 ]

 }

 ]

 }

}

Failure：

HTTP/1.1 422

{

 "code": 422,

 "message": "field:pageSize; The page size may not be greater than 50."

}

2.3 Create Inbound List API

Interface Function

 Customers can submit information and create an inbound list via the API.

Usage Instructions

 Encapsulate product and SKU information in an array for transmission.

Interface Type

 Table **2-14** Interface Type Description

|  |  |
| --- | --- |
| Request Method | POST |
| Access **URI** | /openApi/v1/warehouse/orders/create |
| Communication Protocol | HTTP |

Request Parameters

 Table **2-15** Request Headers Parameter Description

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter Name | Required | Parameter Type | Default Value | Description |
| token | Yes | string | None | Refer to Token AuthenticationExample:0b9031e6d44484fe8a5275a7e9819f9c |
| clientId | Yes | Integer | None | Refer to Token Authentication Example:56109589 |

Table **2-16-1** Request Body Parameter Description

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter Name | Required | Parameter Type | Description |
| localCode  | Yes | string | Destination warehouse |
| desctription  | Yes | string | Order description |
| skus | Yes | array | Product information array |

Table **2-16-2** skus Parameter Description

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter Name | Required | Parameter Type | Description |
| sku | Yes | string | Sku transmission |
| quantity | Yes | integer | Quantity transmission |

Response Parameters

Table **2-17** Response Parameter Description

|  |  |  |
| --- | --- | --- |
| Parameter Name | Parameter Type | Description |
| code | integer | Result code |
| message | string | Execution result and error description |
| result | string | Execution success description |

Result Codes

Table **2-18** Result Code Description

|  |  |  |
| --- | --- | --- |
| Response Code | Result Code | Description |
| 200 | 0 | Success |
| 422 | 422 | Validator validation exception |
| 500 | 500 | Server interface error |

Interface Example

| Request Example

POST /openApi/v1/warehouse/orders/create

{

 localCode: US

 desctription: 测试

 skus[0][sku]: p10000018

 skus[0][quantity]: 8

}

| Response Example

Success：

HTTP/1.1 200

{

 "code": 0,

 "message": "success",

 "result": "提交成功"

}

Failure：

HTTP/1.1 422

{

 "code": 422,

 "message": "field:skus.0.quantity; The skus.0.quantity must be at least 1."

}

## 3 Drop Shipping

3.1 Create Drop Shipping Order API

Interface Function

 Customers can create a drop shipping order by submitting inventory products.

Usage Instructions

 The correct logistics provider ID must be passed, and product information must be encapsulated in a separate array.

Interface Type

 Table **3-1** Interface Type Description

|  |  |
| --- | --- |
| Request Method | POST |
| Access **URI** | /openApi/v1/warehouse/dropshipOrders/create |
| Communication Protocol | HTTP |

Request Parameters

 Table **3-2** Request Headers Parameter Description

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter Name | Required | Parameter Type | Default Value | Description |
| token | Yes | string | None | Refer to Token AuthenticationExample:0b9031e6d44484fe8a5275a7e9819f9c |
| clientId | Yes | Integer | None | Refer to Token Authentication Example:56109589 |

Table **3-3-1** Request Body Parameter Description

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter Name | Required | Parameter Type | Description |
| fromLocalCode  | Yes | string | From which warehouse to ship |
| desctription | Yes | string | Order description |
| shippingId | Yes | integer | Shipping method ID |
| addressId | No | integer | Shipping address ID |
| referenceNumber | No | string | Reference number |
| trackingNumber | No | string | Tracking number |
| fullname | Yes | string | Recipient name |
| phone | Yes | string | Recipient contact information |
| email | No | string | Recipient email |
| postCode | Yes | string | Recipient postal code |
| country | Yes | string | Recipient country |
| province | Yes | string | Recipient province/state |
| city | Yes | string | Recipient city |
| address1 | Yes | string | Recipient address 1 |
| address2 | No | string | Recipient address 2 |
| deliverFullname | Yes | string | Sender name |
| deliverPhone | Yes | string | Sender contact information |
| deliverEmail | No | string | Sender email |
| deliverPostCode | Yes | string | Sender postal code |
| deliverCountry | Yes | string | Sender country |
| deliverProvince | Yes | string | Sender province/state |
| deliverCity | Yes | string | Sender city |
| deliverAddress | Yes | string | Sender address |
| deliverCompany | No | string | Sender company |
| skus | Yes | array | Product information array |

Table **3-3-2** skus Parameter Description

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter Name | Required | Parameter Type | Description |
| sku | Yes | string | sku/customerSku transmission |
| quantity | Yes | integer | Quantity transmission |

Response Parameters

Table **3-4** Response Parameter Description

|  |  |  |
| --- | --- | --- |
| Parameter Name | Parameter Type | Description |
| code | integer | Result code |
| message | string | Execution result and error description |
| result | string | Execution success description |

Result Codes

Table **3-5** Result Code Description

|  |  |  |
| --- | --- | --- |
| Response Code | Result Code | Description |
| 200 | 0 | Success |
| 422 | 422 | Data validation error |
| 500 | 500 | Server interface error |

Interface Example

| Request Example

POST /openApi​/v1​/warehouse​/products​/create

{

 trackingNumber: #TESTCKH001

 deliverPhone: 18814263526

 shippingId: 47

 desctription: 测试

 city: New York

 postCode: 514479

 phone: 18814263526

 fromLocalCode: SZ

 addressId: 9

 deliverAddress: test local

 deliverCity: Shen Zhen

 province: New York State

 deliverCountry: CN

 deliverPostCode: 514479

 referenceNumber: #TESTCKH001

 deliverProvince: Guang Dong

 country: America

 deliverEmail: 18814263526@163.com

 deliverCompany: test

 fullname: test

 email: 18814263526@163.com

 address1: test local

 address2: test local2

 deliverFullname: test

 skus[0][sku]: p10000018

 skus[0][quantity]: 8

}

| Response Example

Success：

HTTP/1.1 200

{

 "code": 0,

 "message": "success",

 "result": "提交成功"

}

Failure：

HTTP/1.1 422

{

 "code": 422,

 "message": "field:shippingId; The selected shipping id is invalid."

}

3.2 Pull Drop Shipping Order Tracking Number API

Interface Function

 Customers can pull drop shipping order tracking number data by calling this interface.

Usage Instructions

 Pull by customer self-filled reference number.

Interface Type

 Table **3-6** Interface Type Description

|  |  |
| --- | --- |
| Request Method | GET |
| Access **URI** | /openApi/v1/warehouse/dropshipOrders/ordersShipList |
| Communication Protocol | HTTP |

Request Parameters

 Table **3-7** Request Headers Parameter Description

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter Name | Required | Parameter Type | Default Value | Description |
| token | Yes | string | None | Refer to Token AuthenticationExample:0b9031e6d44484fe8a5275a7e9819f9c |
| clientId | Yes | Integer | None | Refer to Token Authentication Example: 56109589 |

Table **3-8** Request Parameters Parameter Description

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter Name | Required | Parameter Type | Description |
| referenceNumber | Yes | array | Array transmission of customer reference number |

Response Parameters

Table **3-9** Response Parameter Description

|  |  |  |
| --- | --- | --- |
| Parameter Name | Parameter Type | Description |
| code | integer | Result code |
| message | string | Execution result and error description |
| result | array | Return product information list result |

Table **3-10** result Parameter Description

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter Name | Required | Parameter Type | Description |
| data | Yes | array | Tracking number data list |

Table **3-11** data Parameter Description

|  |  |  |
| --- | --- | --- |
| Parameter Name | Parameter Type | Description |
| id | string | Order number |
| referenceNumber | string | Reference number |
| waybillNumber | string | Tracking number |
| shipping | string | Shipping method |
| waybillTime | string | Shipping date |

Result Codes

Table **3-12** Result Code Description

|  |  |  |
| --- | --- | --- |
| Response Code | Result Code  | Description |
| 200 | 0 | Success |
| 422 | 422 | Validator validation exception |
| 500 | 500 | Server interface error |

Interface Example

| Request Example

GET /openApi/v1/warehouse/dropshipOrders/ordersShipList?

referenceNumber=['#TESTCKH001']

| Response Example

Success：

HTTP/1.1 200

{

 "code": 0,

 "message": "success",

 "result": {

 "data": [

 {

 "id": "ptp100000023",

 "referenceNumber": "#TESTCKH001",

 "waybillNumber": null,

 "waybillTime": null,

 "shipping": "ZJHKRAM"

 }

 ]

 }

}

Failure：

HTTP/1.1 422

{

 "code": 422,

 "message": "客户参考号必须为数组，且不能为空！"

}