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泰中科技

API 调用方法详解

API call method details

1.背景说明 Background notes

开放平台（thisshop）的 API 是基于 HTTPS 协议来调用的，开发者可以直接使用 HTTPS 请求进行调用，以下主要是针对自行封装请求进行 API 调用的原理进行详细解说。

The API of the open platform (thisshop) is called based on the HTTPS protocol. Developers can directly use HTTPS requests to call. The following is a detailed explanation of the principle of API calls for self encapsulation requests.



2.API 调用方法 API call method

2.1 调用流程 Calling process

根据 POP 的协议：填充参数 > 生成签名 > 拼装 HTTP 请求 > 发起 HTTP 请求 > 得到 HTTP 响应 > 解释 json 结果。

According to pop protocol: fill in parameters > generate signature > assemble HTTP request > initiate HTTP request > get HTTP response > interpret JSON result.

2.11 使用分配的 appId 和 appSecret，到服务器获取 token（有效期 24 小时）。Use the assigned appid and appsecret to get the token from the server (valid for 24 hours).

2.12 将所有参数（注意是所有参数，包括 token, timestamp, nonce 等，除去 sign 本身，MD5 加密，全部大写，生成 sign 签名。（参考签名方法）。Remove all parameters (note that it is all parameters, including token, timestamp, nonce, etc.) from sign itself, MD5 encryption, all uppercase, and generate sign signature. (refer to signature method).

2.13 参数带上 sign，请求服务器。Parameter with sign, request server.

2.2 调用说明

2.21 调用 API 时，必须传入系统级公共参数。

系统级公共输入参数：

字段 field	类型 type	是否必须 Is it necessary	描述 describe
appId	String	是 yes	App_key of application
token	String	是 yes	See the following for the access method of

			authorized token
timestamp	String	是 yes	Millisecond time stamp, format: 1564468040249, error within 6 minutes (same time zone)
nonce	String	是 yes	业务流水号（保持唯一，便于跟踪查询） Business serial number (keep unique, easy to track and query)
sign	String	是 yes	Signature (see below for signature method)
method	String	是 yes	Business API interface name

2.22 应用级别输入参数 Application level input parameters

API 调用除了必须包含公共参数外，如果 API 本身有业务级的参数也必须传入，每个 API 的业务级参数请考 API 文档说明。

API calls must contain public parameters. If the API itself has business level parameters, they must also be passed in. For

business level parameters of each API, please refer to the API documentation.

字段 field	类型 type	是否必须 Is it necessary?	描述 describe
data			

2.3 签名算法 signature algorithm

签名参数 sign 生成的方法

第 1 步：将所有参数（注意是所有参数），除去值是空的参数和 sign 本身，按参数名首字母升序排序。

第 2 步：然后把排序后的参数按参数 1=值 1 参数 2=值 2...参数 n=值 n（这里的参数和值必须是采用 utf-8 进行 URL 编码）的方式拼接成一个字符串。

第 3 步：把分配给接入方的签名密钥 secret 拼接在第 2 步得到的字符串后面。

第 4 步：在上一步得到的字符串然后计算 md5 值，得到 32 位字符串，然后转成大写, 得到的字符串作为 sign 的值

The method of generating signature parameter sign

Step 1: remove all parameters (note that they are all parameters), parameters whose value is null and sign itself,

and sort them in ascending order by the first letter of the parameter name.

Step 2: then sort the parameters according to parameter 1 = value 1, parameter 2 = value 2 Parameter n = value n (in this case, the parameter and value must be URL encoded with UTF-8) is spliced into a string.

Step 3: splice the signature key secret assigned to the access party after the string obtained in step 2.

Step 4: get the string in the previous step, then calculate the MD5 value, get the 32-bit string, then convert it to uppercase, and the string will be the value of sign

2.4 请求入口地址 Request entry address

正式环境: <https://open.thisshop.com>

测试环境: <http://t.this.shop:8525>

Official environment: <https://open.thisshop.com>

Test environment: <http://t.this.shop:8525>

2.5 授权 token 获取 Authorized token acquisition

接口名称 Interface name	授权 token 获取 Authorized token acquisition
功能描述 Function description	Your application needs to be authorized by the user, that is, to obtain the authorization token to access the user data
访问路径 Access path	/api/oauth/access/token
数据格式 data format	json
请求方式 Request mode	post

请求参数 Request parameters	字段 field	类型 type	是否必 填 Is it necess ary to fill in?	说明 Explain
	appId	String	是 yes	应用 ID Application of ID
	appSecret	String	是 yes	应用密钥 Application key
	timestamp	String	是 yes	Millisecond time stamp, such as 1564468040249, within 6 minutes (the same time zone)
请求示例报 文 Request	<pre>{ "appId": "your appId", "appSecret": "your appSecret",</pre>			

sample message	<pre>"timestamp": "1564559078981" }</pre>
返回报文 Return message	<pre>Successful return: { "transactionStatus": { "errorCode": "0", "replyCode": null, "replyText": null, "memo": null, "appName": "tft-api-server", "success": true }, "token": "E8A7DF21B48D4877A31AA7667D23D965" } Abnormal return: { "transactionStatus": { "errorCode": "1", "replyCode": "10004", "replyText": "appSecret is error!", "memo": null,</pre>

	<pre> "appName": "tft-api-server", "success": false }, "token": null } </pre>
--	---

注意事项:

token 有效期为 24 小时，每次请求获取 token 值，前一个 token 会失效，并刷新延长 token 的有效时间。

matters needing attention:

The valid period of the token is 24 hours. Each time the token value is obtained, the previous token will be invalid, and the valid time of the token will be extended by refreshing.

2.6 授权 token 有效性校验 Validation of authorization token

Interface name	授权 token 有效性校验 Validation of authorization token
Function description	校验 token 是否有效 Verify whether the token is valid
Access path	/api/oauth/token/check
data format	json

Request mode	post			
Request parameters	字段 field	类型 type	是否必填 Is it necessary to fill in?	说明 Explain
	appId	String	yes	应用 ID Application of ID
	appSecret	String	yes	应用密钥 Application key
	timestamp	String	yes	毫秒时间戳，如： 1564468040249，误差 6 分钟内(相同时区) Millisecond time stamp, such as 1564468040249, within 6 minutes (the same time zone)

	token	String	yes	Authorized token
Return parameter	字段 field	类型 type	说明 Explain	
	enabled	String	Y: effective N: invalid	
	restTime	String	Remaining effective time, in seconds, returned only when it is valid	
Request sample message	<pre>{ "appId": "your appId", "appSecret": "your appSecret", "timestamp": "1564559078981", "token": "xxxxxxx" }</pre>			

Return message	
----------------	--

2.7 Common error code

Error code	description
0	Request succeeded
10001	Incomplete request parameters
10002	Request expired
10003	Invalid application ID
10004	Invalid key

10005	Request method is not supported
10006	IP address is in the blacklist
10007	IP is not in the specified whitelist
10008	Request interface is unauthorized
10009	Requests exceeded today
10010	Application ID is empty
10011	Business serial number is empty
10012	Signature is empty
10013	API name is empty

10014	Timestamp is empty
10015	Timestamp expires
10016	Token is invalid
10017	Token expired
10018	Signature check failed
19009	System error, please contact the administrator

3. 签名生成示例 Example of signature generation

3.1 参数 parameter

例如输入公共参数为 For example, enter the public parameter as:

```
'token' = '46DE554983BA4E41BB591EA61FA50CCE' ,  
'appId' = 'TF10000' ,  
'timestamp' = '1564630934531' ,  
'nonce' = '8ds9a921' ,  
'method' = 'thisshop.item.list.get'
```


3.2 排序 Sort

按首字母升序排列(ASCII 码)Ascending alphabetical order (ASCII code)

```
'appId' = ' TF10000' ,  
'method' = ' thisshop.item.list.get' ,  
'nonce' = ' 8ds9a921' ,  
'timestamp' = ' 1564630934531' ,  
'token' = ' 46DE554983BA4E41BB591EA61FA50CCE'
```

3.3 拼接 splice

连接字符串,并在尾加上签名 signSecret,假设 signSecret 为 XXX,如下 Concatenate the string, and add the signature signSecret at the end, assuming signSecret is XXX, as follows::

```
Str = appId=TF00000method=thisshop.item.list.getnonce  
=8ds9a921timestamp=1564630934531token=46DE554983BA4E41BB591EA61FA50CC  
EXXX
```

MD5 大写 32 位上面的字符串,生成签名 sign,转大写 Concatenate the string, and add the signature signSecret at the end, assuming signSecret is XXX, as follows::

```
MD5(appId=TF00000method= thisshop.item.list.get nonce  
=8ds9a921timestamp=1564630934531token=46DE554983BA4E41BB591EA61FA50CC  
EXXX)
```

注意事项:

所有的请求和响应数据编码皆为 utf-8 格式, url 里的所有参数值请做 urlencode 编码。

Precautions:

All request and response data are encoded in UTF-8 format.

Please use urlencode for all parameter values in the URL.

3.4 签名 java 示例代码 Signature java sample code

```
/**
 * Remove null values and signature parameters from the array
 * @param sArray Parameter group for request signature
 * @return new signature parameter group after removing null values and signature
 parameters
 */
public static Map<String, Object> paramFilter(Map<String, Object> sArray) {
    Map<String, Object> result = new HashMap<>();
    if (sArray == null || sArray.size() <= 0) {
        return result;
    }
    for (String key : sArray.keySet()) {
        Object value = sArray.get(key);
        if (value == null || value.equals("") || key.equalsIgnoreCase("sign")) {
            continue;
        }
        result.put(key, value);
    }
    return result;
}

/**
 * Sort all elements of the array and stitch them into strings according to the pattern
 of "parameter = parameter value"
 * @param params Parameter groups that need to be sorted and participate in
 character splicing
 * @return string after stitching
 */
public static String createLinkString(Map<String, Object> params) throws Exception{
    List<String> keys = new ArrayList<>(params.keySet());
    Collections.sort(keys);
    String str = "";
    for (int i = 0; i < keys.size(); i++) {
        String key = keys.get(i);
        String value = params.get(key)+"";
    }
}
```

```
        value = URLEncoder.encode(value, "UTF-8");
        str = str + key + "=" + value;
    }
    return str;
}

/**
 * Generate an array of signature parameters to request
 * @param paramMap parameters to be signed
 * @param sessionKey signing key
 * md5 encryption method references org.apache.commons.codec.digest.DigestUtils
 * @return request signature parameter array
 */
public static Map<String, Object> sign(Map<String, Object> paramMap, String sessionKey) {
    // Remove null values and signature parameters from the array
    Map <String, Object> sPara = paramFilter (paramMap);
    // Concatenate all elements of the array into a string according to the
pattern of "parameter = parameter value"
    String str = createLinkString (sPara);
    // Generate the signature result
    String sign = DigestUtils.md5Hex (str + sessionKey);
    // The signature result is added to the request submission parameter group
    sPara.put("sign", sign.toUpperCase());
    return sPara;
}
```

4、商城业务 API 接口 API interface of mall business

4.1、List of commodities

Name	Description
Interface name	thisshop.item.list.get
Function description	Query product list information.

Access path	/api/shop/router/rest
data format	json
Request mode	Post
Request sample message	<pre>{ "method": "thisshop.item.list.get", "data": { "skuld": "", "skuName": "", "qrcodes": "2208977,2196135", "startUpdateTime": "", "endUpdateTime": "", "pageNum": 1, "pageSize": 10 } }</pre>
Return data	<p>错误</p> <pre>{ "transactionStatus": { "errorCode": "1", "replyCode": "10000", "replyText": "请求参数错误", "memo": null, "appName": "tft-shop-server", "success": false }, "page": null, "result": null }</pre> <p>成功</p>

```
{
  "transactionStatus": {
    "errorCode": "0",
    "replyCode": null,
    "replyText": null,
    "memo": null,
    "appName": "tft-shop-server",
    "success": true
  },
  "page": {
    "count": 1,
    "pageSize": 10,
    "pageNum": 1,
    "orderBy": null,
    "returnCount": true,
    "offset": 0,
    "limit": 10
  },
  "result": [
    {
      "spuld": "35667",
      "spuTitle": "Fascination Series Protective Case",
      "isMoreSku": 1,
      "classifyName": "Share for free",
      "itemList": [
        {
          "skuTitle": "Fascination Series Protective
          Case For iPhone 6+,6s+ Black ",
          "marketPrice": 199,
          "qrcode": "",
          "stockNum": 50,
          "bolStatus": "2",
```

	<pre> "itemPrice": 199, "skuld": "3566701", "spec": "{\"Color\":\"Black\",\"Model\":\"For iPhone 6+,6s+\"} }, { "skuTitle": "Fascination Series Protective Case For iPhone 7,8 Black ", "marketPrice": 199, "qrcode": "", "stockNum": -9949, "bolStatus": "2", "itemPrice": 199, "skuld": "3566702", "spec": "{\"Color\":\"Black\",\"Model\":\"For iPhone 7,8\"} }] } </pre>
--	---

Request parameter

Field name	Types	Describe	Must fill	Remarks
skuId	String	SKU number	N	
skuName	String	SKU name	N	
qrCodes	String	barcode	N	Commodity barcode (external product code), supports multiple, separated by commas, up to 10
pageNum	Integer	Current page	N	Default pageNum = 1

		number		
pageSize	Integer	Articles per page	N	Default pageSize = 10, maximum pageSize = 100
startUpdateTime	String	Update time range start time	N	yyyy-MM-dd HH:mm:ss
endUpdateTime	String	Update time range end time	N	yyyy-MM-dd HH:mm:ss

Response parameters

Field name	Types	Describe	Must fill	Remarks
transactionStatus	Object	Transaction Response Object		
page	Object	Page number object		
result	List	Collection object		

transactionStatus:

Field name	Types	Describe	Must fill	Remarks
errorCode	String	Error identification		0: correct; 1: incorrect
replyCode	String	error code		
replyText	String	Error message		
memo	String	Note		
appName	String	service name		
success	boolean	whether succeed		true: success false: failure

page:

Field name	Types	Describe	Must fill	Remarks
count	Integer	The total amount		
pageSize	Integer	Articles per page		

pageNum	Integer	current page number		
orderBy	String	Sort fields		Reserved field
returnCount	boolean	Whether to count the total number		Reserved field
offset	Integer			Reserved field
limit	Integer			Reserved field

result[]:

Field name	Types	Describe	Must fill	Remarks
spuId	String	SPU number		
spuTitle	String	SPU title		
classifyName	String	Category Name		
isMoreSku	Integer	Whether more goods		-1: No SKU 0: Single SKU 1: Multiple SKUs
skuList	List	SKU product list		

skuList[]:

Field name	Types	Describe	Must fill	Remarks
qrcode	String	Merchant encoding		Product barcode is "external product code"
skuId	String	SKU encoding		
skuTitle	String	SKU title		
specInfo	String	Specification information		For example: {"Color": "Black", "Model": "For iPhone 6 +, 6s +"}
skuPrice	BigDecimal	commodity price		
marketPrice	BigDecimal	market price		
bolStatus	String	Up and down status		1: on the shelf 2: off the shelf
stockNum	Integer	Inventory quantity		Available stock

4.2、 Shipment order synchronization

Name	Explain
Interface name	thisshop.erp.logistics.sync
Function description	This method provides the data synchronization function of third-party merchant's invoices.
Access path	/api/shop/router/rest
data format	json
Request mode	Post
Request message sample	<pre>{ "method":"thisshop.erp.logistics.sync", "data":{ "orderId":"345635700769742848", "flgMultiPackage":"y", "packageList":[{ "expressCompanyId":"beexkk001", "expressNo":"SHIP_NO_003", "deliveryTime":"2019-08-09 11:47:15", "skuList":[{ "skuld":"2008903", "quantity":1 },{ "skuld":"2402700", "quantity":1 }] }] },{ "expressCompanyId":"beexkk001", "expressNo":"SHIP_NO_002", "deliveryTime":"2019-08-09 11:47:15", "skuList":[{ "skuld":"2008901", "quantity":1 }] } }</pre>

	<pre>] } }</pre>
Return data	

Request parameters

data:

Field name	Types	Describe	Must fill	Remarks
orderId	String	Order number	Y	
flgMultiPackage	String	Whether more parcels	Y	y:多包裹 n:单包裹
packageList	List	Parcel collection	Y	

packageList[]:

Field name	Types	Describe	Must fill	Remarks
expressCompanyId	String	Logistics company number	Y	
expressNo	String	shipment number	Y	
deliveryTime	String	Delivery time	Y	
skuList	List	Logistics package contains SKU	N	当 flgMultiPackage="y"

		information		时, skuList 必填
--	--	-------------	--	---------------

skuList []:

Field name	Types	Describe	Must fill	Remarks
skuId	String	SKU 编号	Y	
quantity	Integer	SKU 数量	Y	

Response parameters

Field name	Types	Describe	Must fill	Remarks
transactionStatus	Object	Transaction Response Object		
page	Object	Page number object		
result	Object	Return object		

transactionStatus:

Field name	Types	Describe	Must fill	Remarks
errorCode	string	Error identification		0: correct; 1: incorrect
replyCode	string	error code		
replyText	string	Error message		
memo	string	Note		
appName	string	service name		
success	boolean	whether succeed		true: success false: failure

4.3、Product inventory update

Name	Description
Interface name	thisshop.erp.stock.update
Function description	This method provides third-party merchant product inventory updates.
Access path	/api/shop/router/rest

data format	json
Request mode	Post
Request message	<pre> sample { "method": "thisshop.erp.stock.update", "data": { "spuld": "11055", "skuld": "1105501", "qrcode": "", "stockNum": 8, "tradeType": 0 } } </pre>
Return data	

Request parameter

Field name	Types	Describe	Must fill	Remarks
spuId	String	SPU number	Y	
skuId	String	SKU number	N	qrcode or skuld required
qrcode	String	barcode	N	Product barcode is "external product code"
stockNum	Integer	Stock quantity	Y	
tradeType	Integer	Transaction Type	Y	0: Full inventory 1: Incremental inventory

Response parameters

Field name	Types	Describe	Must fill	Remarks
transactionStatus	Object	Transaction Response		

		Object		
page	Object	Page number object		
result	Object	Return object		

transactionStatus:

Field name	Types	Describe	Must fill	Remarks
errorCode	String	Error identification		0: correct; 1: incorrect
replyCode	String	error code		
replyText	String	Error message		
memo	String	Note		
appName	String	service name		
success	boolean	whether succeed		true: success false: failure

4.4、Order List

Name	Description
Interface name	thisshop.order.list.get
Function description	Get order list data
Access path	/api/shop/router/rest
data format	json
Request mode	Post
Request sample message	<pre>{ "method": "thisshop.order.list.get", "data": { "orderStatus": 8, "startCreateTime": "2019-08-01 12:30:22", "endCreateTime": "2019-08-02 12:30:22", "startPayTime": "", "endPayTime": "", "startUpdateTime": "" } }</pre>

	<pre>"endUpdateTime": "", "pageNum": 1, "pageSize": 10 } }</pre>
Return data	<pre>成功 { "transactionStatus":{ "errorCode":"0", "replyCode":null, "replyText":null, "memo":null, "appName":"tft-shop-server", "success":true }, "page":{ "count":1, "pageSize":10, "pageNum":1, "orderBy":null, "returnCount":true, "offset":0, "limit":10 }, "result":[{ "orderId":"354619924444397568", "orderTitle":"Gigabyte H310M S2H (1151)(1 items)", "orderTotalAmount":3940, "paymentAmount":0, "discountAmount":3940, </pre>

	<pre> "expressAmount":0, "submitTime":"2019-08-02 10:54:00", "payTime":"2019-08-02 11:01:36", "orderStatus":8, "payStatus":4 }] }</pre>
--	--

Request parameter

Field name	Types	Describe	Must fill	Remarks
orderStatus	Integer	Order Status	N	Order Status(0: deleted 1: canceled 2: pending payment 8: To be shipped 16: To be received 32: done 64: Partial delivery)
startCreateTime	String	Order creation start time	N	yyyy-MM-dd HH:mm:ss
endCreateTime	String	Order creation end time	N	yyyy-MM-dd HH:mm:ss
startPayTime	String	Order payment start time	N	yyyy-MM-dd HH:mm:ss
endPayTime	String	Order payment end time	N	yyyy-MM-dd HH:mm:ss
pageNum	Integer	Current page number	N	Default pageNum = 1
pageSize	Integer	Articles per page	N	Default pageSize = 10, maximum pageSize = 100

startUpdateTime	String	Update time range start time	N	yyyy-MM-dd hh:mm:ss
endUpdateTime	String	Update time range end time	N	yyyy-MM-dd hh:mm:ss

Response parameters

Field name	Types	Describe	Must fill	Remarks
transactionStatus	Object	Transaction Response Object		
page	Object	Page number object		
result	List	Order List		

transactionStatus:

Field name	Types	Describe	Must fill	Remarks
errorCode	String	Error identification		0: correct; 1: incorrect
replyCode	String	error code		
replyText	String	Error message		
memo	String	Note		
appName	String	service name		
success	Boolean	whether succeed		true: success false: failure

page:

Field name	Types	Describe	Must fill	Remarks
count	Integer	The total amount		
pageSize	Integer	Articles per page		
pageNum	Integer	current page number		
orderBy	String	Sort fields		Reserved field
returnCount	Boolean	Whether to count the total		Reserved field

		number		
offset	Integer			Reserved field
limit	Integer			Reserved field

result[]:

Field name	Types	Describe	Must fill	Remarks
orderId	String	Order number		
orderTitle	String	Order title		
orderTotalAmount	BigDecimal	Order total		Undeducted promotional amount
paymentAmount	BigDecimal	Order paid		Deduction of preferential amount
discountAmount	BigDecimal	Discounted price		
expressAmount	BigDecimal	Courier fee		
submitTime	String	order time		yyyy-MM-dd HH:mm:ss
payTime	String	Payment time		yyyy-MM-dd HH:mm:ss
orderStatus	Integer	Order Status		Order Status(0: deleted 1: canceled 2: pending payment 8: To be shipped 16: To be received 32: done 64: Partial shipment))
payStatus	Integer	Payment status		payment status(1: to be paid 2: paying 4: Payment successful 8: Payment failed)

4.5、 order details

Name	Description
------	-------------

Interface name	thisshop.order.detail.get
Function description	Get order details
Access path	/api/shop/router/rest
data format	json
Request mode	Post
Request sample message	<pre>{ "method": "thisshop.order.detail.get", "data": { "orderId": "342884030243807232" } }</pre>
Return data	<pre>成功 { "transactionStatus": { "errorCode": "0", "replyCode": null, "replyText": null, "memo": null, "appName": "tft-shop-server", "success": true }, "page": null, "result": { "addressInfo": { "consignee": "tony", "phone": "66-0643309638", "provinceName": "Thailand", "cityName": "Bangkok", "areaName": "Bangkok", "postId": "1005" } } }</pre>

	<pre>}, "expressAmount": 0, "orderId": "342884030243807232", "payTime": "2019-07-01 00:41:18", "orderStatus": 16, "discountAmount": 35, "paymentAmount": 375, "shipList": [{ "deliveryTime": "2019-07-03 14:30:08", "expressNo": "KONVY1196629", "expressCompanyId": "Bee Express", "skuld": "2712401" }], "submitTime": "2019-07-01 00:39:49", "orderTotalAmount": 410, "itemList": [{ "skuName": "[konvy]แพ็คคู่ DHC-Supplement Vitamin C 60 Days (60Days x 2)", "quantity": 1, "qrcode": "736", "itemPrice": 410, "chargeAmount": 375, "spuld": "27124", "skuld": "2712401" }], "orderTitle": "[konvy]แพ็คคู่ DHC-Supplement Vitamin C 60 Days (60Days x 2)(1 items)", "payStatus": 4</pre>
--	--

	} }
--	--------

Request parameter

Field name	Types	Describe	Must fill	Remarks
orderId	String	Order number	Y	

Response parameters

Field name	Types	Describe	Must fill	Remarks
transactionStatus	Object	Transaction Response Object		
page	Object	Page number object		
result	Object	Return object		

transactionStatus:

Field name	Types	Describe	Must fill	Remarks
errorCode	string	Error identification		0: correct; 1: incorrect
replyCode	string	error code		
replyText	string	Error message		
memo	string	Note		
appName	string	service name		
success	boolean	whether succeed		true: success false: failure

result:

Field name	Types	Describe	Must fill	Remarks
orderId	String	Order number		
orderTitle	String	Order title		

submitTime	String	order time		
expressAmount	BigDecimal	Courier fee		
discountAmount	BigDecimal	Discounted price		
paymentAmount	BigDecimal	Order paid		Deduction of preferential amount
orderTotalAmount	BigDecimal	Order total		Undeducted promotional amount
payTime	String	Payment time		
orderStatus	Integer	Order Status		Order Status(0: deleted 1: canceled 2: pending payment 8: To be shipped 16: To be received 32: done 64: Partial delivery)
payStatus	Integer	Payment status		Payment status(1: to be paid 2: paying 4: Payment successful 8: Payment failed)
addressInfo	Object	delivery information		
ItemList	List	Product list		
shiplist	List	Shipping list		

addressInfo:

Field name	Types	Describe	Must fill	Remarks
provinceName	String	Province name		
cityName	String	city name		
areaName	String	Area name		
postId	String	Zip code		

consignee	String	Receiver		
phone	String	phone		

itemList[]:

Field name	Types	Describe	Must fill	Remarks
spuId	String	SPU number		
skuId	string	SKU number		
skuName	string	SKU name		
qrcode	String	barcode		Product barcode is "external product code"
quantity	string	Number of Products		
itemPrice	string	Commodity price		
chargeAmount	BigDecimal	Total goods		The amount actually paid

shiplist[]:

Field name	Types	Describe	Must fill	Remarks
skuId	string	SKU number		
expressCompanyId	string	Logistics company number		
expressNo	string	shipment number		
deliveryTime	string	Delivery time		yyyy-MM-dd HH:mm:ss

4.7、Modify product sku price

Name	Description
Interface name	thisshop.goods.sku.price.update
Function description	Modify product sku price,
Access path	/api/shop/router/rest

data format	json
Request mode	Post
Request message	<pre> sample { "method": "thisshop.goods.sku.price.update", "data": { "skuPriceListItem": [{ "isOnsale": 0, "marketPrice": 500, "singlePrice": 1000, "skuId": "5081515" }], "spuld": "50815" } } </pre>
Return data	

Request parameter

Field name	Data type	Length	Mandatory	Description	Remarks
spuId	string	32	Y		SPU number
skuPriceListItem	list		Y		sku price list

skuPriceListItem

Field name	Data type	Length	Mandatory	Description	Remarks
skuId	string	32	Y		SKU number
isOnsale	int	11	Y	0	sku status, 0-remains as it is, 1-up and down, 2-out
singlePrice	Long	11	Y		Price
marketPrice	Long	11	Y		Market price

Response parameters

Field name	Types	Describe	Must	Remarks
------------	-------	----------	------	---------

			fill	
transactionStatus	Object	Transaction Response Object		
page	Object	Page number object		
result	Object	Return object		

transactionStatus:

Field name	Types	Describe	Must fill	Remarks
errorCode	string	Error identification		0: correct; 1: incorrect
replyCode	string	error code		
replyText	string	Error message		
memo	string	Note		
appName	string	service name		
success	boolean	whether succeed		true: success false: failure

4.8、Category query

Name	Description
Interface name	thisshop.goods.category.get
Function description	Category query API
Access path	/api/shop/router/rest
data format	json
Request mode	Post
Request message sample	<pre>{ "data": { "parentId": "0" "queryType": "1" }, "method": "thisshop.goods.category.get" }</pre>

Return data	
-------------	--

Request parameter

Field name	Data type	Length	Mandatory	Description	Remarks
parentId	string	32	Y	Category number: 0 is the vertex cat_id, and the category tree is obtained through the top node of the tree	
queryType	string	1	Y	Query types: 1 full category of the mall, 2 authorized search by merchant	Default is 1

Response parameters

Field name	Types	Describe	Must fill	Remarks
transactionStatus	Object	Transaction Response Object		
page	Object	Page number object		
result	Object	Return object		

result

Field name	Data type	Length	Mandatory	Description	Remarks
level	INTEGER	11		Category level 1-first category, 2-secondary category,	

				3-level category	
txtNameLocal	String			Product category local name	
txtNameEn	String			Product Category English Name	
bolTreeIsleaf	String			Tree-whether leaf node (Yes: Y, No: N)	
parentId	String			Parent category number	
categoryId	String			Classification number	

transactionStatus:

Field name	Types	Describe	Must fill	Remarks
errorCode	string	Error identification		0: correct; 1: incorrect
replyCode	string	error code		
replyText	string	Error message		
memo	string	Note		
appName	string	service name		
success	boolean	whether succeed		true: success false: failure

4.9、Product details

Name	说明
Interface name	thisshop.goods.details
Function description	product details
Access path	/api/shop/router/rest
data format	json
Request mode	Post

Request message	sample	<pre>{ "data": { "spuld": "10902" }, "method": "thisshop.goods.details" }</pre>
Return data		

Request parameter

Field name	Data type	Length	Mandatory	Description	Remarks
spuld	string	32	Y	Spu number	Spu number

Response parameters

Field name	Types	Describe	Must fill	Remarks
transactionStatus	Object	Transaction Response Object		
page	Object	Page number object		
result	Object	Return object		

transactionStatus:

Field name	Types	Describe	Must fill	Remarks
errorCode	string	Error identification		0: 正确; 1: 错误
replyCode	string	error code		
replyText	string	Error message		
memo	string	Note		
appName	string	service name		
success	boolean	whether succeed		true: 成功 false: 失败

Field name	Data	Length	Mandato	Description	Remarks
------------	------	--------	---------	-------------	---------

	type		ry		
spuId	string	32	Y	Spu number	Spu number
itemName	string	512	Y	product name	product name
itemTitle	string	512	Y	Product title	Product title
categoryId	string	32	Y	Classification number	Classification number
brandnName	string	128	Y	brand name	brand name
pcDetails	String	500	Y	Product description on pc	Product description, word limit: 20-500
mobileDetails	String	500	Y	product description	Product description, word limit: 20-500
videoUrl	STRING	256	N	Product video url	Product video url
imageUrl	String	256	Y	SPU main picture	SPU main picture
skuList	list		Y	sku object list	sku object list
mediaList	list		Y	Product display chart	Product display chart

skuList

Field name	Data type	Length	Mandatory	Description	Remarks
itemId	String	32	N	Product Number	Product Number
itemName	String	512	Y	product name	product name
itemTitle	String	512	Y	Product title	Product title
brandId	String	32	Y	product brand	product brand
itemSkuld	String	32	Y	Product SKU number	Product SKU number
itemSpuld	String	32	Y	Product SPU number	Product SPU number
itemQrcode	String	512	Y	Product barcode	Product barcode
classId	String	32	Y	Product type number	Product type number
amtPrice	Number	(11,2)	Y	Price	Price
amtPriceMarket	Number	(11,2)	Y	market price	market price
typPickup	String	32	n	Pickup method	Pickup method
typStockCalc	Integer		Y	Inventory count	Inventory count 1 order less inventory 2 payment less inventory

isOnsale	Integer		Y	sku status	sku shelves status, 1-shelf, 2-shelf
codValidDays	Integer		n	Validity period (days)	Validity period (days)
attList	List		N	Product attribute list	Product attribute list

attList (Product specifications)

Field name	Data type	Length	Mandatory	Description	Remarks
attName	String	128	Y	Property name: color, size	
imgUrl	String	256	n	Specifications main picture	
attValue	String	128	Y	Attribute value	

4.10、 Logistics company query

Name	Description
Interface name	thisshop.logistics.companies.get
Function description	Logistics company query
Access path	/api/shop/router/rest
data format	json
Request mode	Post
Request message sample	<pre>{ "data": { "pageNum": "1", "pageSize": "100" } "appld": "TF09223", "token": "4D153A9B305B43E8ADD0709397C32BC8", "timestamp": "1576138212000", "nonce": "637117636541851358", "method": "thisshop.logistics.companies.get", "sign": "05FF398518B1AFEB5BC031286A09ED0A" }</pre>

Return data	<pre>success { "transactionStatus": null, "page": { "count": 0, "pageSize": 200, "pageNum": 1, "orderBy": "", "returnCount": false, "offset": 0, "limit": 200 }, "result": [{ "available": 1, "code": "Bee", "logisticsCompanyEn": "Bee", "logisticsCompanyLocal": "蜜蜂", "logisticsCompanyLogo": "www.thisshop.com" }, { "available": 1, "code": "EMS", "logisticsCompanyEn": "EMS", "logisticsCompanyLocal": "邮政", "logisticsCompanyLogo": "www.thisshop.com" },] }</pre>

	<pre> { "available": 1, "code": "STO", "logisticsCompanyEn": "STO", "logisticsCompanyLocal": "顺丰", "logisticsCompanyLogo": "www.thisshop.com" }] } </pre>
--	--

Request parameter

Field name	Data type	Length	Mandatory	Description	Remarks
pageNum	string		n	which page	
pageSize	string		n	Pages	

Response parameters

Field name	Types	Describe	Must fill	Remarks
transactionStatus	Object	Transaction Response Object		
page	Object	Page number object		
result	Object	Return object		

result

Field name	Data type	Length	Mandatory	Description	Remarks
available	INTEGER			is it effective	Whether it is valid, 1-currently supported courier companies,

					2-unsupported courier companies, note: you must enter the supported courier company id when shipping, otherwise an error will be reported
code	String			Courier Company Code	Courier Company Code
logisticsCompanyEn	String			Express company name in English	Courier company name
logisticsCompanyLocal				Courier company name local language	Courier company name local language
logisticsCompanyLogo				Courier company logo	Courier company logo

transactionStatus:

Field name	Types	Describe	Must fill	Remarks
errorCode	string	Error identification		0: correct; 1: incorrect
replyCode	string	error code		
replyText	string	Error message		
memo	string	Note		
appName	string	service name		
success	boolean	whether succeed		true: success false: failure

4.11、 Brand Search

Name	Explain
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Interface name	thisshop.category.brand.get
Function description	Category query API
Access path	/api/shop/router/rest
data format	json
Request mode	Post
Request sample message	<pre>{ "data": { "categoryId": "01010303" }, "method": "thisshop.category.brand.get" }</pre>
Return data	<p>Success</p> <pre>{ "transactionStatus": null, "page": null, "result": { "dataList": [{ "level": 1, "txtNameLocal": "", "txtNameEn": "MOBILES", "bolTreeIsleaf": "n", "parentId": "0", "categoryId": "0101" }] } }</pre>

Request parameters

Field name	Data type	Length	Mandatory	Description	Remarks
categoryId	string	32	Y	三级分类编号	

Response parameter

Field name	Data type	Description		Remarks
transactionStatus	Object	Transaction Response Object		
page	Object	Page number object		
result	Object	Return object		

result

Field name	Data type	Length	Mandatory	Description	Remarks
categoryId	String			Classification number	Classification number
brandNo	String			Brand ID	Brand ID
nameLocal	String			Brand local name	Brand local name
nameEn	String			Brand English Name	Brand English Name
pcImageNo	String			Brand pc picture	Brand pc picture
mobileImageNo	String			Brand mobile picture	Brand mobile picture

transactionStatus:

Field name	Types	Describe	Must fill	Remarks
errorCode	string	Error identification		0: correct; 1: incorrect
replyCode	string	error code		
replyText	string	Error message		
memo	string	Note		
appName	string	service name		
success	boolean	whether succeed		true: success false: failure

4.12 Product added

Name	Description
Interface name	thisshop.goods.add
Function description	Product added
Access path	/api/shop/router/rest
data format	json
Request mode	Post
Request message	<pre> sample { "data": { "brandName": "HUAWEI", "categoryId": "01010301", "itemName": "HUAWEI mate20 手机", "itemTitle": "HUAWEI mate20 手机", "pcDetails": "HUAWEI text Desc 1", "mobileDetails": "HUAWEI text Desc 1", "videoUrl": "", "imageUrl": "/shop/pop/2019112018391.jpg", "mediaList": ["/shop/pop/201911201839362.jpg", "/shop/pop/201911201839363.jpg"], "skuList": [{ "amtPrice": 1000, "amtPriceMarket": 1200, "attList": [{ "attName": "color", "imgUrl": "/shop/pop/201911201839364.jpg", "attValue": "black" }, { "attName": "size", "imgUrl": "", "attValue": "12" }] }, "codValidDays": 100, "isOnsale": 1, "itemName": "mate20", "itemQrcode": "324333", "itemTitle": "mate20 手机", </pre>

	<pre> "typStockCalc": 1 } } } </pre>
Return data	

Request parameter

Field name	Data type	Length	Mandatory	Description	Remarks
itemName	string	256	Y	product name	product name
itemTitle	string	512	Y	Product title	Product title
categoryId	string	32	Y	Classification number	Classification number
brandId	string	32	Y	Brand ID	Brand ID
pcDetails	String	1000	Y	Product description on pc	Description word limit 20-1000
mobileDetails	String	1000	Y	product description	Description word limit 20-1000
videoUrl	String	256	N	Product video url	Product video url
typPublish	Integer		N	sku status	sku shelves status, 1-up, 2-down
imageUrl	String	256	Y	SPU main picture	Obtained through the image upload interface
skuList	OBJECT[]		Y	sku object list	sku object list
mediaList	List<String>		Y	Product display chart	Obtained through the image upload interface

skuList

Field name	Data type	Length	Mandatory	Description	Remarks
itemName	String	256	Y	product name	product name

itemTitle	String	512	Y	Product title	Product title
itemQrcode	String	512	Y	Product barcode	Product barcode
amtPrice	BigDecimal	(16, 2)	Y	Price	Buyout price, empty or <= 0 default 0
amtPriceMarket	BigDecimal	(16, 2)	Y	market price	Market price, empty or <= 0 default 0
typPickup	String	32	N	Pickup method	Pickup method
typStockCalc	Integer	1	N	Inventory count	Inventory count 1 order less inventory 2 payment less inventory
codValidDays	Integer	6	N	Validity period (days)	Validity period (days)
attList	List<String>		N	Product attribute list	Product attribute list
stockNum	Integer	11	Y	Inventory	Inventory number, empty or <= 0 default 0

attList (product attributes)

Field name	Data type	Length	Mandatory	Description	Remarks
attName	String	128	Y	Property name: color, size	
imgUrl	String	256	n	Specifications main picture	Obtained through the image upload interface
attValue	String	128	Y	Attribute value	

Response parameters

Field name	Data type	Description		Remarks
transactionStatus	Object	Transaction Response Object		
page	Object	Page number object		
result	Object	Return object		

result

Field name	Data type	Length	Mandatory	Description	Remarks
spuId	String			Spu 编号	Spu 编号

transactionStatus:

Field name	Types	Describe	Must fill	Remarks
errorCode	string	Error identification		0: correct; 1: incorrect
replyCode	string	error code		
replyText	string	Error message		
memo	string	Note		
appName	string	service name		
success	boolean	whether succeed		true: success false: failure

4.13 Product modification

Name	Description
Interface name	thisshop.goods.update
Function description	Product modification
Access path	/api/shop/router/rest
data format	json
Request mode	Post
Request message sample	<pre>{ "method": "thisshop.goods.update" "data": { "spuld": "5600", "brandId": "342423", "categoryId": "01010301", "typPublish": 1, "itemName": "HUAWEI mate20 手机", "itemTitle": "HUAWEI mate20 手机", "pcDetails": "HUAWEI text Desc 1", "mobileDetails": "HUAWEI text Desc 1", } }</pre>

	<pre> "videoUrl": "/shop/pop/20191120183936.mp4", "imageUrl": "/shop/pop/20191120183936.jpg", "mediaList": ["/shop/pop/20191120183936.jpg", "/shop/pop/20191120183936.jpg"], "skuList": [{ "itemId": "560001", "amtPrice": 1000, "amtPriceMarket": 1200, "attList": [{ "attName": "color", "imgUrl": "/shop/pop/20191120183936.jpg", "attValue": "black" }, { "attName": "size", "imgUrl": "", "attValue": "12" }] }, { "itemName": "mate20", "itemQrcode": "324333", "itemTitle": "mate20 手机", "typStockCalc": 1 } } </pre>
Return data	

Request parameter

Field name	Data type	Length	Mandatory	Description	Remarks
spuId	string	32	Y	Spu number	Spu number
itemName	string	512	N	product name	product name
itemTitle	string	512	N	Product title	Product title
pcDetails	String	500	N	Product description on pc	Product description, word limit: 20-500
mobileDetails	String	500	N	product description	Product description, word limit: 20-500
videoUrl	STRING	256	N	Product video	Product video url

				url	
imageUrl	String	256	N	SPU main picture	SPU main picture
typPublish	Integer		N	sku status	sku status, 0-remains as it is, 1-up and down, 2-out
skuList	OBJECT[]		N	sku object list	sku object list
mediaList	OBJECT[]		N	Product display chart	Product display chart

skuList

Field name	Data type	Length	Mandatory	Description	Remarks
itemId	String	32	Y	Product Number	Product Number
itemName	String	512	N	product name	product name
itemTitle	String	512	N	Product title	Product title
brandId	String	32	N	product brand	product brand
itemSkuId	String	32	N	Product SKU number	Product SKU number
itemQrcode	String	512	N	Product barcode	Product barcode
amtPrice	Number	(11, 2)	N	Price	Price
amtPriceMarket	Number	(11, 2)	N	market price	market price
typPickup	String	32	N	Pickup method	Pickup method
typStockCalc	Integer		N	Inventory count	Inventory count 1 order less inventory 2 payment less inventory
codValidDays	Integer		N	Validity period (days)	Validity period (days)
attList	List<String>		N	Product attribute list	Product attribute list

attList (product specifications)

Field name	Data type	Length	Mandatory	Description	Remarks
attName	String	128	Y		Property name: color, size
imgUrl	String	256	N		Specifications main picture
attValue	String	128	Y		Attribute value

Response parameters

Field name	Data type	Description		Remarks
transactionStatus	Object	Transaction Response Object		
page	Object	Page number object		
result	Object	Return object		

transactionStatus:

Field name	Data type	Description		Remarks
errorCode	string	Error identification		0: correct; 1: incorrect
replyCode	string	error code		
replyText	string	Error message		
memo	string	Note		
appName	string	service name		
success	boolean	whether succeed		true: success false: failure

4.14 Product Shelves

Name	Description
Interface name	thisshop.goods.publish.update
Function description	Category query API
Access path	/api/shop/router/rest
data format	json
Request mode	Post

Request message	sample	<pre>"data": { "spuld": "58841", "typPublish":1 }, "method": "thisshop.goods.publish.update"</pre>
Return data		

Request parameter

Field name	Data type	Length	Mandatory	Description	Remarks
typPublish	int	1	Y	spu shelves status, 1-shelf, 2-shelf	
spuId	string	32	Y	spu number	

Response parameters

Field name	Types	Describe	Must fill	Remarks
transactionStatus	Object	Transaction Response Object		
result	Object	Return object		

transactionStatus:

Field name	Types	Describe	Must fill	Remarks
errorCode	string	Error identification		0: correct; 1: incorrect
replyCode	string	error code		
replyText	string	Error message		
memo	string	Note		
appName	string	service name		
success	boolean	whether succeed		true: success false: failure

5、Image upload interface

Name	Description
Interface name	thisshop.goods.image.upload
Function description	Product image upload service
Access path	/api/image/upload
data format	form-data
Request mode	Post
Request message	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">sample</div>  </div>
Return data	<pre>{ "transactionStatus": { "errorCode": "0", "replyCode": null, "replyText": null, "memo": null, "appName": "tft-api-server", "success": true }, "imageUrl": "tempShop/TF10000/20191224/0A1E3067208A41C3A3CC88E8E08619C5.jpg"</pre>

	}
--	---

Request parameter

Field name	Types	Describe	Must fill	Remarks
file	file	file	Y	Only the following picture types are supported and cannot exceed 1MB. .jpg .png .jpeg .bmp .gif
appId	String	appId	Y	
timestamp	String	Timestamp	Y	
token	String	Token	Y	
method	String	Method name	Y	
nonce	String	serial number	Y	
sign	String	signature	Y	除去 file 和 sign

Response parameters

Field name	Types	Describe	Must fill	Remarks
transactionStatus	Object	Transaction Response Object		
imageUrl	String	Picture path		

transactionStatus:

Field name	Types	Describe	Must fill	Remarks
errorCode	String	Error identification		0: correct; 1: incorrect
replyCode	String	error code		
replyText	String	Error message		
memo	String	Note		

appName	String	service name		
success	Boolean	whether succeed		true: success false: failure

Field name	Types	Describe	Must fill	Remarks
imageUrl	String	Picture path		

6、 Picture path

errorCode	success	replyCode	replyText	Remark
0	true			success
1	false	20000	API does not have a corresponding business method	Failed (see the replyText error description when returning)
		20001	Merchant is not authorized to bind	
		20002	Barcode request parameters cannot exceed 10 at a time	
		20003	Parameter check failed, XX parameter cannot be empty	
		20004	When the inventory is fully modified, the inventory quantity cannot be less than 0	
		20005	No corresponding data found (e.g. order or product does not exist)	
		20006	Request parameter check failed: xx time format is incorrect	
		20007	The number of skuld in the logistics package information must be greater than 0	
		20008	Order status is not in the scope of	

			delivery	
		20009	Paging parameter pageSize cannot exceed 100	
		20010	The SKU in the logistics package is not in the order	

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