

App

App

App

UUID

0

id

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-OCR

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-ID

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-UUID

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APP

app

APP

WebHook

Callback

OCR

OCR

1APP

APPAPP(3-Legged)APP(2-Legged)

a. APP

APP

APPAppKeyappSecretAPP

AppOAuth 2.0

3-legged

b. APP

APPAppKeyAPPSecretAPP

APP“APP”tokenSecret

APPAppKeyappSecrettokenSecretOAuth 1.0

2-legged

2

APIWebHook

a. API

REST api

/API

b. WebHook

WebHook

/WebHookCallback

HTTP

200HTTP CodeHTTP Code.

Code		
200		,200
500		
404		

HTTP Response Body

-

```
{
  "body":null,
  "ok":false,
  "status":{
    "description":"","
    "message":"","
    "path":"","
    "returnCode":"","
    "serviceCode":"","
    "time":1554693072112
  }
}
```

-

Key			
body	object	N	
ok	bool	Y	truefalse

status	object	true	
status.description	string	N	
status.message	string	N	
status.returnValue	string	N	
status.serviceCode	string	N	
status.time	long	N	

- body

```
{
  "status": {
    "returnValue": "200"
  },
  "body": {
    "userId": "cc15da22-b890-4ceb-b830-d42c3676a897",
    "nickName": "bbbbbb",
    "companyId": "bb15da22-b890-4ceb-b830-d42c3676a896",
    "companyName": "",
    "email": "xxx@xxx.comm",
    "phone": "1111111111",
    "departmentId": "b656694d-8ac2-4366-aed7-7f836e0af5d8",
    "departmentName": "",
    "description": "bbb"
  },
  "ok": true
}
```

- body

```
{
  "ok": false,
  "status": {
    "description": "",
    "message": "The company has not installed the application",
    "path": "/open-platform/auth/two-legged/check",
    "returnValue": "100007",
    "serviceCode": "open-platform-auth.auth-core",
    "time": 1554693550228
  }
}
```


App



OAuth 2.0 token

code

//app-auth.kingxunlian.com?
client_id=xxxx&response_type=xxxxx&scope=xxxxxx&state=xxxxx&redirect_uri=xxxxx

-

client_id		appKey	
response_type		'code'	
scope		oauth2	
state		(oauth2)	
redirect_uri			

redirect_uri/?code=CODE&state=STATE

-

code	access_tokencodecode10		
state	state		

codeaccess_token

codeaccess_token

POST /open-platform/auth/oauth2/access-token

-

grant_type		'authorization_code'	
code		code	
client_id		appKey	
client_secret		appSecret	

OAuth 2.0

OAuth 2.0 3-LeggedAPI

GET <https://api.dev.kingxunlian.com/plat/company/current-user/get>

Header

Key	Value		
Authorization	"Bearer " + access_token		

PostmanOAuth2 3-LeggedAPIGET
<https://api.dev.kingxunlian.com/plat/company/current-user/get>

AppApp
1
2body

Postman

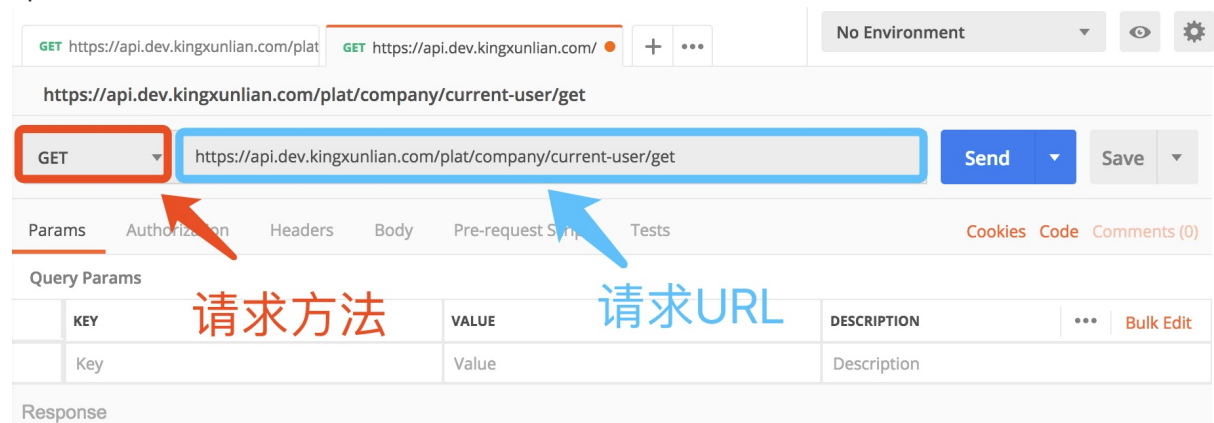
PostmanPostman <https://www.getpostman.com/downloads/>

access_token

access_token

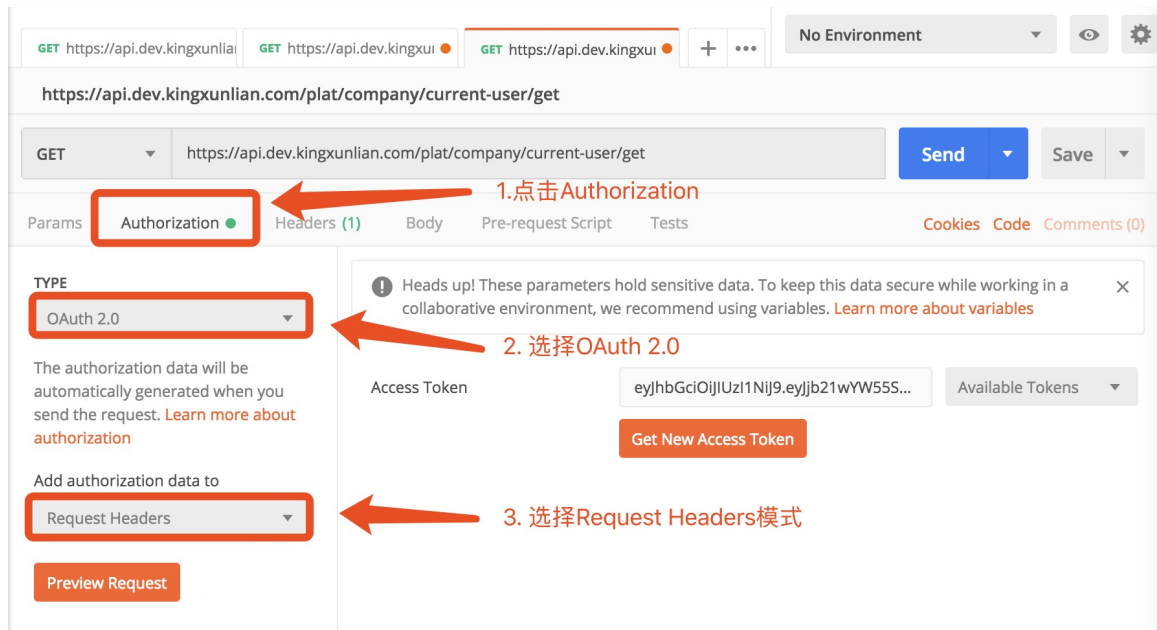
Postman

1postmanURL



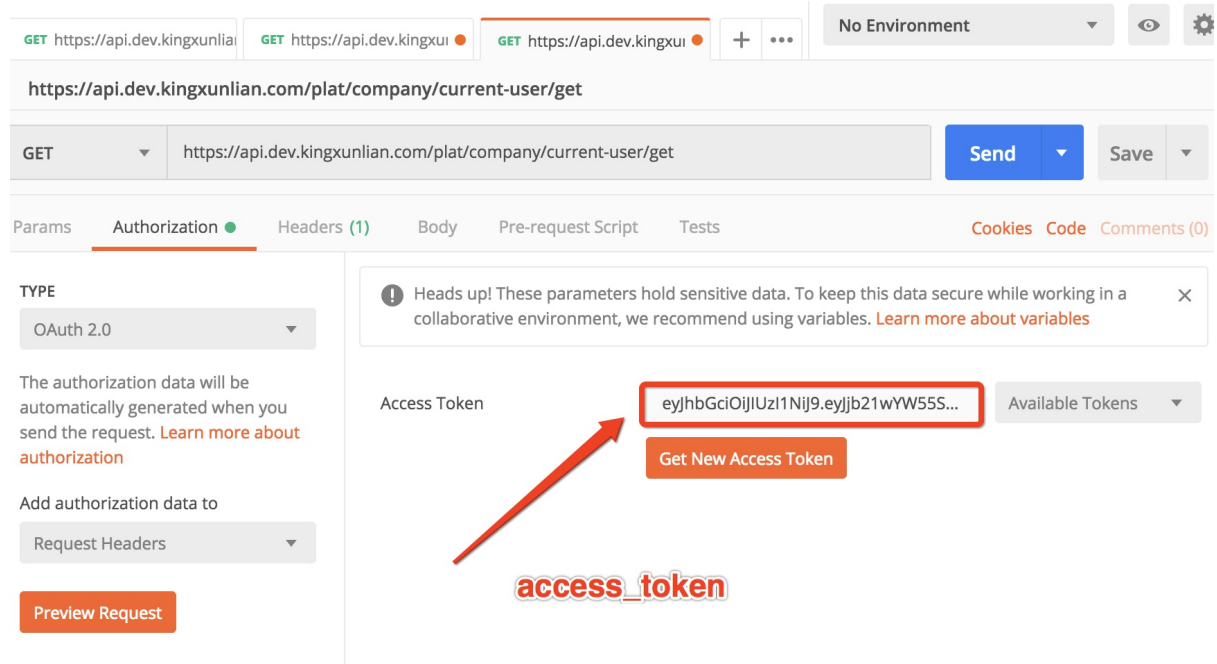
2OAuth 2.0 Header

- Authorization
- OAuth 2.0
- Request Headers



3Header

access_tokenAccess Token



4

GET https://api.dev.kingxunlian.com/plat/company/current-user/get

点击发送请求

Send Save

Params Authorization Headers (1) Body Pre-request Script Tests Cookies Code Comments (0)

KEY	VALUE	DESCRIPTION
Authorization	Bearer eyJhbGciOiJIUzI1NiJ9.eyJjb21wYW55S555...	Postman会自动根据OAuth 2.0生成并填充Authorization Header
Key	Value	Description

Body Cookies Headers (8) Test Results Status: 200 OK Time: 2107 ms Size: 656 B Download

Pretty Raw Preview JSON

```
1 {
2   "status": {
3     "returnCode": "200"
4   },
5   "body": {
6     "userId": "cc15da22-b890-4ceb-b830-d42c3676a897",
7     "nickName": "bbbb",
8     "companyId": "bb15da22-b890-4ceb-b830-d42c3676a896",
9     "companyName": "北京天宏迅联智慧网络科技有限公司",
10    "email": "ttslj@163.com",
11    "phone": "18613200163",
12    "departmentId": "b656694d-8ac2-4366-aed7-7f836e0af5d8",
13    "departmentName": "测试部门",
14    "description": "bbb"
15  },
16   "ok": true
17 }
```

返回数据

App


OAuth1 2-LeggedAPI

GET <https://api.dev.kingxunlian.com/plat/company/current-user/get>

			Oauth
appKey	Key	app	oauth_consumer_key
appSecret	App	app	oauth_consumer_secret
token	()Key	API app	oauth_token
tokenSecret	()	APP app	oauth_token_secret

- tokentokenSecretAPI app

应用详情返回




API对接

提供API对接

由 开发

禁用

操作人: 

应用密钥

刷新密钥

AK

复制

SK

Y2Y0

复制

-

url.encode	URL	URL	
url.decode	URL	URL	

base64.encode	base64	Base6464	
base64.decode	base64	Base6464	
HmacSHA256			

GET <https://api.dev.kingxunlian.com/plat/company/current-user/get>

oauth:

key	value	value
oauth_consumer_key	url.encode(appKey)	OAUTH.2LEGGED.APP
oauth_token	url.encode(tokenKey)	M2EyZDU2ZjM0ZDQ3NDFjZmlzYTliNzJkYi
oauth_signature_method	HMAC-SHA256	HMAC-SHA256
oauth_timestamp	url.encode("")	1554281731
oauth_nonce	url.encode("")	JObPuLS38Mp
oauth_version	1.0	1.0
oauth_signature		

• .

Step1:

Step1

GET

Step2:

URIURLStep2

<https://api.dev.kingxunlian.com/plat/company/current-user/get>

Step3:

"oauth_signature"key

oauth_consumer_keyoauth_nonceoauth_signature_methodoauth_timestampoauth_version

(key=value)&URLStep3

oauth_consumer_key%3DOAUTH.2LEGGED.APP%26oauth_nonce%3DJOBPuLS38Mp%26oauth_s
ignature_method%3DHMAC-
SHA256%26oauth_timestamp%3D1554281731%26oauth_token%3DM2EyZDU2ZjM0ZDQ3NDFjZm
IzYTliNzJkYmU2MjA1NjA%253D%26oauth_version%3D1.0

Step4:

Step1 + "&" + Step2 + "&" + Step3Step4

GET&https%3A%2F%2Fapi.dev.kingxunlian.com%2Fplat%2Fcompany%2Fcurrent-
user%2Fget&oauth_consumer_key%3DOAUTH.2LEGGED.APP%26oauth_nonce%3DJOBPuLS38M
p%26oauth_signature_method%3DHMAC-
SHA256%26oauth_timestamp%3D1554281731%26oauth_token%3DM2EyZDU2ZjM0ZDQ3NDFjZm
IzYTliNzJkYmU2MjA1NjA%253D%26oauth_version%3D1.0

-

url.encode(appSecret) + "&" + url.encode(tokenSecret)

MzE4ODJjNTIhMDE5NDE4MDg0YmQ3NGVINDVjNTJkNWY%3D&YjllZmEzYWU2NjM4NDUwOTk3
ODU2YWVjNjM4NDUwOTk3ODU2YWVjNjM4NDUwOTk3ODU2YWVjNjM4NDUwOTk3ODU2YWVjNjM4NDUwOTk3

-

1. HMAC-SHA256

2. Base64url.encodeoauth_signature

eLs2OgUDzoawLHmuiw42a0pdtVPsb895sQT0DDMd8SU%3D

oauth_consumer_key OAUTH.2LEGGED.APP
oauth_token M2EyZDU2ZjM0ZDQ3NDFjZmIzYTliNzJkYmU2MjA1NjA%3D
oauth_signature_method HMAC-SHA256
oauth_timestamp 1554281731
oauth_nonce JOBPuLS38Mp
oauth_version 1.0
oauth_signature eLs2OgUDzoawLHmuiw42a0pdtVPsb895sQT0DDMd8SU%3D
(key="value"), "OAuth "

OAuth

oauth_consumer_key="OAUTH.2LEGGED.APP",oauth_token="M2EyZDU2ZjM0ZDQ3NDFjZmlzYTli
NzJkYmU2MjA1NjA%3D",oauth_signature_method="HMAC-
SHA256",oauth_timestamp="1554281731",oauth_nonce="JObPuLS38Mp",oauth_version="1.0",aut
h_signature="eLs2OgUDzoawLHmuiw42a0pdtVPsb895sQT0DDMd8SU%3D"

...

HeaderAuthorization.

PostmanOAuth1 2-LeggedAPI

GET <https://api.dev.kingxunlian.com/plat/company/current-user/get>

1

2body

1Postman

PostmanPostman <https://www.getpostman.com/downloads/>

2APP

appKey OAUTH.2LEGGED.APP

appSecret MzE4ODJjNTIhMDE5NDE4MDg0YmQ3NGVINDVjNTJkNWY=

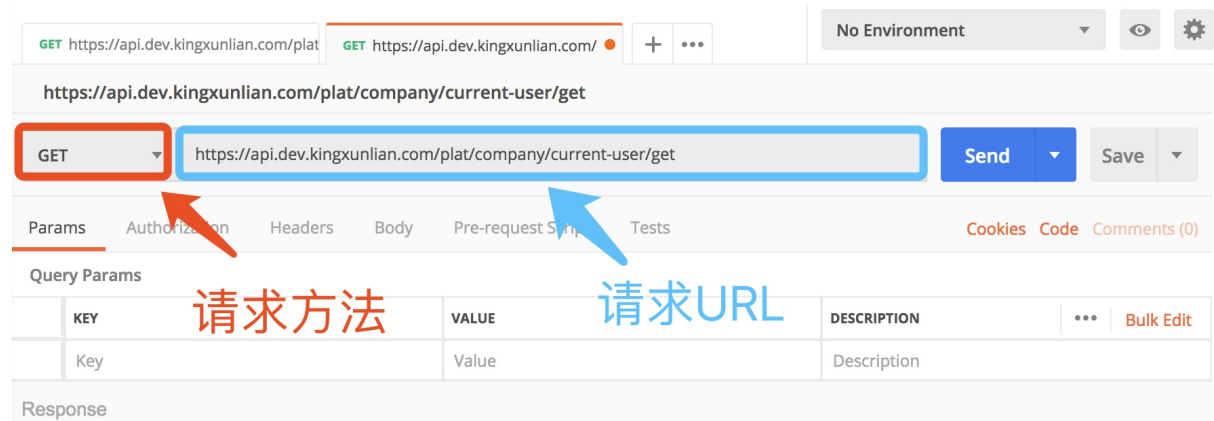
3APP

token M2EyZDU2ZjM0ZDQ3NDFjZmIzYTliNzJkYmU2MjA1NjA=

tokenSecret YjllZmEzYWU2NjM4NDUwOTk3ODU2YWVjNWM2YmE3MGY=

Postman

1postmanURL



2 OAuth 1.0 Header

a. Authorization

b. OAuth 1.0

c. Request Header

The screenshot shows the Postman interface for a GET request to `https://api.dev.kingxunlian.com/plat/company/current-user/get`. The 'Authorization' tab is selected in the top bar. On the left, the 'TYPE' dropdown is set to 'OAuth 1.0', and the 'Add authorization data to' dropdown is set to 'Request Headers'. The main area displays the OAuth 1.0 configuration fields:

- Consumer Key: OAUTH.2LEGGED.APP
- Consumer Secret: MzE4ODJjNTIhMDE5NDE4MDg0YmQ3NGVINDVjNTJkNWY=
- Access Token: M2EyZDU2ZjM0ZDQ3NDFjZmlzYTliNzJkYmU2MjA1NjA=
- Token Secret: YjllZmEzYWU2NjM4NDUwOTk3ODU2YWVRjNWYmE3MGY=

Below these fields is the 'ADVANCED' section with additional configuration options:

- Signature Method: HMAC-SHA256
- Timestamp: Timestamp
- Nonce: Nonce
- Version: 1.0
- Realm: testrealm@example.com

At the bottom, there is a checkbox for 'Add empty parameters to signature'.

Annotations on the image:

- 1. 点击Authorization (Click Authorization)
- 2. 选择OAuth 1.0 (Select OAuth 1.0)
- 3. 选择Request Header模式 (Select Request Header mode)

3Header

GET

https://api.dev.kingxunlian.com/plat

https://api.dev.kingxunlian.com/plat/company/current-user/get

Send

Save

Params

Authorization ●

Headers (1)

Body

Pre-request Script

Tests

Cookies

Code

Comments (0)

TYPE

OAuth 1.0

The authorization data will be automatically generated when you send the request. [Learn more about authorization](#)

Add authorization data to

Request Headers

Preview Request

! Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. [Learn more about variables](#)

Consumer Key ⓘ appKey

OAUTH.2LEGGED.APP

Consumer Secret ⓘ appSecret

MzE4ODJjNThiMDE5NDE4MDg0YmQ3NGVINDVjNTJkNWY=

Access Token token

M2EyZDU2ZjM0ZDQ3NDZFjZmlzYTliInZjkYmU2MjA1NjA=

Token Secret ⓘ tokenSecret

YjllZmEzYWU2NjM4NDUwOTk3ODUyYWRjNWMyMmE3MGY=

▼ ADVANCED

These are advanced configuration options. They are optional. Postman will auto generate values for some fields if left blank.

Signature Method ⓘ

HMAC-SHA256 必须选HMAC-SHA256

Timestamp

Timestamp 不用填，postman自动填充

Nonce ⓘ

Nonce 不用填，postman自动填充

Version

1.0 必须为1.0，postman自动填充

Realm ⓘ

testrealm@example.com 不填

GET https://api.dev.kingxunlian.com/plat GET https://api.dev.kingxunlian.com/ No Environment

https://api.dev.kingxunlian.com/plat/company/current-user/get 点击发送请求

GET https://api.dev.kingxunlian.com/plat/company/current-user/get Send Save

Params Authorization Headers (1) Body Pre-request Script Tests Cookies Code Comments (0)

KEY	VALUE	DESCRIPTION
Authorization	OAuth oauth_consumer_key="OAUTH.2LEGG...	Postman会自动根据OAuth 1.0算法生成，并填充Authorization Header
Key	Value	Description

Body Cookies Headers (8) Test Results Status: 200 OK Time: 121 ms Size: 656 B Download

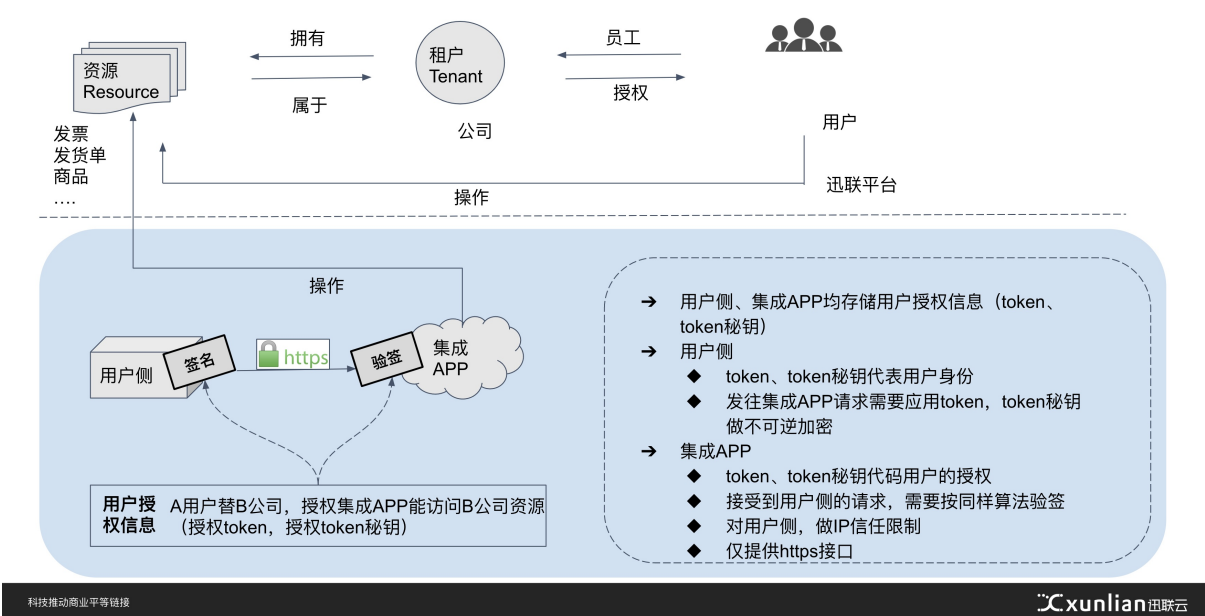
Pretty Raw Preview JSON

```
1 {
2   "status": {
3     "returnCode": "200"
4   },
5   "body": {
6     "userId": "cc15da22-b890-4ceb-b830-d42c3676a897",
7     "nickName": "bbbb",
8     "companyId": "bb15da22-b890-4ceb-b830-d42c3676a896",
9     "companyName": "北京天宏迅联智慧网络科技有限公司",
10    "email": "ttslj@163.com",
11    "phone": "18613200163",
12    "departmentId": "b656694d-8ac2-4366-aed7-7f836e0af5d8",
13    "departmentName": "测试部门",
14    "description": "bbb"
15  },
16   "ok": true
17 }
```

返回数据

App

集成APP与用户侧授权验签流程



token	()Key	2-Legged app
tokenSecret	()	2-Legged app

•

url.encode	URL	URL
url.decode	URL	URL
base64.encode	base64	Base6464
base64.decode	base64	Base6464
HmacSHA256		

GET <https://some-app.kingxunlian.com/some-path/get>

:

key	value	value	
token	url.encode(token)		()Key
signature_method	HMAC-SHA256	HMAC-SHA256	HMAC-SHA256"HMAC-SHA256"
timestamp	url.encode("")	1554281731	
nonce	url.encode("")		32
signature			

- A.

Step1:

Step1 — GET

Step2:

URIURLOStep2

https%3a%2f%2fsome-app.kingxunlian.com%2fsome-path%2fget

Step3:

"signature"

tokensignature_methodtimestampnonce

(key=value)&URLOStep3

Step4:

Step1 + "&" + Step2 + "&" + Step3Step4

- B

url.encode(tokenSecret)

-

1. HMAC-SHA256AB
2. Base64signature

token

signature_method

timestamp

nonce

signature

(key="value"),"XL_AUTH "

...

HeaderAuthorization.

1. appkeyappSecret

appKey Kingxunlian.CommonTwoLeg
appSecret0Dc3ZDYwMDQ4ZWY4NGVjMjg0OTAzYTViZWE0Y2Y0MmY=

2. “API”tokenKeytokenSecret



操作人:

应用密钥

[刷新密钥](#)

AK ZGM4MjgzYWM3ODdiNDA1ZmE1MmVjNzlmNmE3MGU5MTg= tokenKey 复制

SK ZTc0Mjk3M2ViYzJiNDg1ODhhOGVjNTU3MzJmOTc4ZGM= tokenSecret 复制

3. appkeyappSecrettokenKeytokenSecret

4. Authorizationheaderapi

API

GET <https://api.dev.kingxunlian.com/plat/company/current-user/get>

			Oauth
appKey	Key		oauth_consumer_key
appSecret	App		oauth_consumer_secret
tokenKey	Key		oauth_token
tokenSecret			oauth_token_secret

•

url.encode	URL	URL
url.decode	URL	URL
base64.encode	base64	Base6464
base64.decode	base64	Base6464
HmacSHA256		

GET <https://api.dev.kingxunlian.com/plat/company/current-user/get>

:

key	value	value
oauth_consumer_key	url.encode(appKey)	OAUTH.2LEGGED.APP
oauth_token	url.encode(tokenKey)	M2EyZDU2ZjM0ZDQ3NDFjZmIzYTliNzJkYi
oauth_signature_method	HMAC-SHA256	HMAC-SHA256
oauth_timestamp	url.encode("")	1554281731
oauth_nonce	url.encode("")	JOBPuLS38Mp

oauth_version	1.0	1.0
oauth_signature		

- .

1.

GET

2. URLURLurl.encodeurl

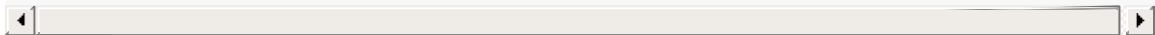
`https%3A%2F%2Fapi.dev.kingxunlian.com%2Fplat%2Fcompany%2Fcurrent-user%2Fget`

3.

`oauth_consumer_keyoauth_nonceoauth_signature_methodoauth_timestamp
poauth_tokenoauth_version`

[key=value]"&"URL

`oauth_consumer_key%3D0AUTH.2LEGGED.APP%26oauth_nonce%3DJ0bPuLS38Mp%26
oauth_signature_method%3DHMAC-SHA256%26oauth_timestamp%3D1554281731%
26oauth_token%3DM2EyZDU2ZjM0ZDQ3NDFjZmIzYTliNzJkYmU2MjA1NjA%253D%26o
auth_version%3D1.0`



4. 1 + "&" + 2 + "&" + 3

`GET&https%3A%2F%2Fapi.dev.kingxunlian.com%2Fplat%2Fcompany%2Fcurrent
-user%2Fget&oauth_consumer_key%3D0AUTH.2LEGGED.APP%26oauth_nonce%3DJ
0bPuLS38Mp%26oauth_signature_method%3DHMAC-SHA256%26oauth_timestamp%
3D1554281731%26oauth_token%3DM2EyZDU2ZjM0ZDQ3NDFjZmIzYTliNzJkYmU2MjA
1NjA%253D%26oauth_version%3D1.0`

-

- `url.encode(appSecret) + "&" + url.encode(tokenSecret)`

```
MzE4ODJjNThiMDE5NDE4MDg0YmQ3NGVlNDVjNTJkNWY%3D&YjllZmEzYWU2NjM4NDUwO
Tk3ODU2YWRjNWM2YmE3MGY%3D
```

-

1. HMAC-SHA256()
2. Base64 "oauth_signature"

```
eLs20gUDzoawLHmuiw42a0pdtVPsb895sQT0DDMd8SU%3D
```

oauth_consumer_key	OAUTH.2LEGGED.APP
oauth_token	M2EyZDU2ZjM0ZDQ3NDFjZmIzYTliNzJkYmU2MjA1NjA%3D
oauth_signature_method	HMAC-SHA256
oauth_timestamp	1554281731
oauth_nonce	J0bPuLS38Mp
oauth_version	1.0
oauth_signature	eLs20gUDzoawLHmuiw42a0pdtVPsb895sQT0DDMd8SU%3D

(key="value") , "OAuth "

```
OAuth oauth_consumer_key="OAUTH.2LEGGED.APP",oauth_token="M2EyZDU2ZjM0
ZDQ3NDFjZmIzYTliNzJkYmU2MjA1NjA%3D",oauth_signature_method="HMAC-SHA256"
,oauth_timestamp="1554281731",oauth_nonce="J0bPuLS38Mp",oauth_version="1
.0",oauth_signature="eLs20gUDzoawLHmuiw42a0pdtVPsb895sQT0DDMd8SU%3D"
```

```
http Header "Authorization".
```

```
String url = "https://api.dev.kingxunlian.com/plat/company/current-user/
get";
String authStr = Utils.generatorAuthStr("GET",url);

Request sendRequest = new Request.Builder()
    .url(url)
    .addHeader("Authorization", authStr).get().build();

Response sendResponse = okHttpClient.newCall(sendRequest).execute();
```

```
package com.kingxunlian.sdk;

import org.apache.commons.codec.binary.Base64;

import javax.crypto.Mac;
import javax.crypto.spec.SecretKeySpec;
import java.io.UnsupportedEncodingException;
import java.net.URLEncoder;
import java.security.InvalidKeyException;
import java.security.Key;
import java.security.NoSuchAlgorithmException;
import java.util.UUID;

/**
 * @author martinwu
 * @date 2019/6/28 15:44
 */
public class Utils {

    private static final String CHARSET_NAME = "UTF-8";
    public static final String MAC_NAME = "HmacSHA256";

    public static String generatorAuthStr(String methodType1,String url1
) {
        //
        String methodType = methodType1;
        //url
        String url = url1;
        // ()
        String appKey = "Kingxunlian.CommonTwoLeg";
        String appSecret = "YzNhZWIZNzBhMGQwNGVmNzg2NGI3MzUxOGI5MDI0Nzg="
";
        String tokenKey = "ZjZiYjgwNmI0N2NmNDkzMmE4YjJhZmMyOTM4OGVhOTQ="
;
    }
```

```

String tokenSecret = "MTEWYjU5NDg5YTQ0NDhiMmI5YjY5ZDU0ZjNlMTQwM2
M=";
String signMethod = "HMAC-SHA256";
String version = "1.0";
String timestamp = System.currentTimeMillis()/1000+"";
String seqNo = UUID.randomUUID().toString().replace("-", "");

/**
 *
 */
//1.
String step1 = methodType;
//2. URLURLurl.encodeurl
String step2 = encodeUrlUTF8(url);
//3.
//oauth_consumer_key=url.encode(appKey),
//oauth_nonce=url.encode(seqNo)
//oauth_signature_method=url.encode(signMethod),
//oauth_timestamp=url.encode(timestamp),
//oauth_token=url.encode(tokenKey),
//oauth_version=url.encode(version),
// [ key=value ]"&"URL
StringBuilder stringBuilder = new StringBuilder();
if (StringUtils.isEmpty(appKey)) {
    stringBuilder.append("oauth_consumer_key="+encodeUrlUTF8(app
Key));
}
if (StringUtils.isEmpty(seqNo)) {
    stringBuilder.append("&oauth_nonce="+encodeUrlUTF8(seqNo));
}
if (StringUtils.isEmpty(signMethod)) {
    stringBuilder.append("&oauth_signature_method="+encodeUrlUTF
8(signMethod));
}
if (StringUtils.isEmpty(timestamp)) {
    stringBuilder.append("&oauth_timestamp="+encodeUrlUTF8(times
tamp));
}
if (StringUtils.isEmpty(tokenKey)) {
    stringBuilder.append("&oauth_token="+encodeUrlUTF8(tokenKey)
);
}
if (StringUtils.isEmpty(version)) {
    stringBuilder.append("&oauth_version="+encodeUrlUTF8(version
));
}

```

```

String kVs = stringBuilder.toString();
String step3 = encodeUrlUTF8(kVs);
//4. 1 + "&" + 2 + "&" + 3
String oStr = step1 + "&" + step2 + "&" + step3;

/**
 *
 * url.encode(appSecret) + "&" + url.encode(tokenSecret)
 */
String signKey = encodeUrlUTF8(appSecret) + "&" + encodeUrlUTF8(tokenSecret);

/**
 *
 * HMAC-SHA256oStrsignKey
 * Base64 "oauth_signature"
 */
String oauth_signature = sign(oStr,signKey);

/**
 *
 *
 * oauth_consumer_key      OAUTH.2LEGGED.APP
 * oauth_token              M2EyZDU2ZjM0ZDQ3NDZjZmIzYTliNzJkYm
U2MjA1NjA%3D
 * oauth_signature_method  HMAC-SHA256
 * oauth_timestamp          1554281731
 * oauth_nonce              J0bPuLS38Mp
 * oauth_version            1.0
 * oauth_signature          eLs20gUDzoawLHmuiw42a0pdtVPsb895sQ
T0DDMd8SU%3D
 * (key="value"), "OAuth "
 */

StringBuilder sb = new StringBuilder();
sb.append("OAuth ");
sb.append("oauth_consumer_key=");
sb.append("\"" + encodeUrlUTF8(appKey) + "\",");
sb.append("oauth_token=");
sb.append("\"" + encodeUrlUTF8(tokenKey) + "\",");
sb.append("oauth_signature_method=");
sb.append("\"" + encodeUrlUTF8(signMethod) + "\",");
sb.append("oauth_timestamp=");
sb.append("\"" + encodeUrlUTF8(timestamp) + "\",");
sb.append("oauth_nonce=");
sb.append("\"" + encodeUrlUTF8(seqNo) + "\",");
sb.append("oauth_version=");
sb.append("\"" + encodeUrlUTF8(version) + "\",");
sb.append("oauth_signature=");

```



```

        sb.append("\\" + encodeUrlUTF8(oauth_signature) + "\\");

        String authorization = sb.toString();
        return authorization;
    }

    public static String encodeUrlUTF8(String str) {
        try {
            return URLEncoder.encode(str, "utf-8");
        } catch (UnsupportedEncodingException e) {
            e.printStackTrace();
        }
        return null;
    }

    private static String sign(String toSign, String secret) {
        try {
            Mac mac = Mac.getInstance(MAC_NAME);
            Key key = new SecretKeySpec(secret.getBytes(CHARSET_NAME), MAC_NAME);
            mac.init(key);
            byte[] signData = mac.doFinal(toSign.getBytes(CHARSET_NAME));
            ;
            return Base64.encodeBase64String(signData);
        } catch (NoSuchAlgorithmException | UnsupportedEncodingException
            | InvalidKeyException e) {
            e.printStackTrace();
            throw new RuntimeException("");
        }
    }
}

```

API

	https://api.dev.kingxunlian.com	
	https://api.test.kingxunlian.com	
	https://api.kingxunlian.com	

-

		2019-5-6	2019-5-6

URL:

- /plat/company/current-user/get
- GET

Content-Type		string	application/json

GET /plat/company/current-user/get

:

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": {
```

```

    "userId": "cc15da22-b890-4ceb-b830-d42c3676a897",
    "nickName": "bbbbbb",
    "companyId": "bb15da22-b890-4ceb-b830-d42c3676a896",
    "companyName": "",
    "email": "xxxx@163.com",
    "phone": "18613200000",
    "departmentId": "b656694d-8ac2-4366-aed7-7f836e0af5d8",
    "departmentName": "",
    "description": "bbb"
  },
  "ok": true
}

```

:

:

userId	String	ID
nickName	String	
companyId	String	ID
companyName	String	
email	String	
phone	String	
departmentId	String	ID
departmentName	String	
description	String	

-

		2019-5-6	2019-5-6

URL:

- /plat/company/current-company/get
- GET

Content-Type		string	application/json

GET /plat/company/current-company/get

:

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": {
```

```
      "companyId": "bb15da22-b890-4ceb-b830-d42c3676a896",
      "companyName": ""
    },
    "ok": true
  }
```

:

:

companyId	String	ID
companyName	String	

-

		2019-5-6	2019-5-6

URL:

- /plat/company/current-company/user/query-paged

- POST

Content-Type		string	application/json

POST /plat/company/current-company/user/query-paged

```
{
  "pageNum": 1,
  "pageSize": 2
}
```

:

pageNum		int	——
pageSize		int	——

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": {
    "pageMeta": {
      "pageNum": 1,
      "pageSize": 2,
      "total": 233,
      "pages": 117
    },
    "items": [
      {
        "userId": "cc15da22-b890-4ceb-b830-d42c3676a896",
        "nickName": "aaaa",
        "companyId": "bb15da22-b890-4ceb-b830-d42c3676a896",
        "companyName": null,
        "email": "aaaaa@163.com1",
        "phone": "18866668888",
        "departmentId": "b656694d-8ac2-4366-aed7-7f836e0af5d8",
        "departmentName": "",
        "description": "11"
      },
      {
        "userId": "cc15da22-b890-4ceb-b830-d42c3676a897",
        "nickName": "bbbb",
        "companyId": "bb15da22-b890-4ceb-b830-d42c3676a896",
        "companyName": null,
        "email": "xxxx@163.comm",
        "phone": "18613200000",
        "departmentId": "b656694d-8ac2-4366-aed7-7f836e0af5d8",
        "departmentName": "",
        "description": "bbb"
      }
    ]
  },
  "ok": true
}
```

:

:

pageMeta	Json	
pageMeta.pageNum	Int	
pageMeta.pageSize	Int	
pageMeta.total	Int	
pageMeta.pages	Int	
items	List	
items.userId	String	ID
items.nickName	String	
items.companyId	String	ID
items.companyName	String	
items.email	String	
items.phone	String	
items.departmentId	String	ID
items.departmentName	String	
items.description	String	

-

		2019-5-6	2019-5-6

URL:

- /plat/company/current-company/group/query-paged

- POST

Content-Type		string	application/json

POST /plat/company/current-company/group/query-paged

```
{
  "pageNum": 1,
  "pageSize": 2
}
```

:

pageNum		int	——
pageSize		int	——

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": {
    "pageMeta": {
      "pageNum": 1,
      "pageSize": 2,
      "total": 10,
      "pages": 5
    },
    "items": [
      {
        "groupId": "c475d322-91c9-4662-b8f7-03708f8715c0",
        "companyId": "bb15da22-b890-4ceb-b830-d42c3676a896",
        "enName": "staff",
        "name": "",
        "description": ""
      },
      {
        "groupId": "b5afb3ea-ea88-46d9-bfde-914e8db42e29",
        "companyId": "bb15da22-b890-4ceb-b830-d42c3676a896",
        "enName": "chairman",
        "name": "",
        "description": ""
      }
    ]
  },
  "ok": true
}
```

:

:

pageMeta	Json	
pageMeta.pageNum	Int	

pageMeta.pageSize	Int	
pageMeta.total	Int	
pageMeta.pages	Int	
items	List	
items.groupId	String	ID
items.companyId	String	ID
items.enName	String	
items.name	String	
items.description	String	

-

		2019-5-6	2019-5-6

URL:

- /plat/company/current-company/group/user/query-paged

- POST

Content-Type		string	application/json

POST /plat/company/current-company/group/user/query-paged

```
{
  "pageNum": 1,
  "pageSize": 2,
  "groupId": "c475d322-91c9-4662-b8f7-03708f8715c0"
}
```

:

pageNum		int	—

pageSize		int	—
groupId		String	ID

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": {
    "pageMeta": {
      "pageNum": 1,
      "pageSize": 2,
      "total": 13,
      "pages": 7
    },
    "items": [
      {
        "userId": "093fd7f4-1187-4b77-aca7-7e708c72c295",
        "nickName": "-2" ,
        "companyId": "bb15da22-b890-4ceb-b830-d42c3676a896",
        "email": "staff-2@kingxunlian.com",
        "phone": "",
        "description": ""
      },
      {
        "userId": "b80172fc-807a-4a30-a8d1-9c3443087b0d",
        "nickName": "-1" ,
        "companyId": "bb15da22-b890-4ceb-b830-d42c3676a896",
        "email": "staff-1@kingxunlian.com",
        "phone": "",
        "description": ""
      }
    ]
  },
  "ok": true
}
```

:

:

--	--	--

pageMeta	Json	
pageMeta.pageNum	Int	
pageMeta.pageSize	Int	
pageMeta.total	Int	
pageMeta.pages	Int	
items	List	
items.userId	String	ID
items.nickName	String	
items.companyId	String	ID
items.email	String	
items.phone	String	
items.description	String	

-

		2019-5-6	2019-5-6

URL:

- /plat/company/current-user/group/query

- POST

Content-Type		string	application/json

POST /plat/company/current-user/group/query

```
:
```

```
:
```

```
:
```

```
{
  "status": {
    "returnCode": "200"
```

```

    },
    "body": [
      {
        "groupId": "1abaf050-ecc3-47fc-8541-7b9b5397964c",
        "companyId": "bb15da22-b890-4ceb-b830-d42c3676a896",
        "enName": "leader",
        "name": "",
        "description": ""
      },
      {
        "groupId": "295fabdc-6001-45ec-a918-d86fe9733d1b",
        "companyId": "bb15da22-b890-4ceb-b830-d42c3676a896",
        "enName": "chief",
        "name": "",
        "description": ""
      },
      {
        "groupId": "368b74d2-13fc-4b02-8970-7c56213e2252",
        "companyId": "bb15da22-b890-4ceb-b830-d42c3676a896",
        "enName": "applyDept",
        "name": "",
        "description": ""
      }
    ],
    "ok": true
  }
}

```

:

:

groupId	String	ID
companyId	String	ID
enName	String	
name	String	
description	String	

-

		2019-5-6	2019-5-6

URL:

- /co/network/connection/query-list
- GET

Content-Type		string	application/json

GET /co/network/connection/query-list

:

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": {
```

```
"companyResponseList": [  
  {  
    "companyId": "bb15da22-b890-4ceb-b830-d42c3676a896",  
    "connectionId": "bb15da22-b890-4ceb-b830-d42c3676a855",  
    "connectionName": ""  
  },  
  {  
    "companyId": "bb15da22-b890-4ceb-b830-d42c3676a896",  
    "connectionId": "26a19285-d05c-4d8b-82d6-e80b77f26d4c",  
    "connectionName": "()"  
  },  
  {  
    "companyId": "bb15da22-b890-4ceb-b830-d42c3676a896",  
    "connectionId": "9efaa5b1-3b1e-403a-a882-8fbe42e4c5dc",  
    "connectionName": ""  
  }  
],  
"ok": true  
}
```

:

:

companyResponseList	List	
companyResponseList.companyId	String	ID
companyResponseList.connectionId	String	ID
companyResponseList.connectionName	String	

-

		2019-5-6	2019-5-6

URL:

- /co/network/connection/contact/query-paged

- POST

Content-Type		string	application/json

POST /co/network/connection/contact/query-paged

```
{
  "connectionId": "bb15da22-b890-4ceb-b830-d42c3676a855",
  "pageNum": 1,
  "pageSize": 2
}
```

:

pageNum		int	—

pageSize		int	——
connectionId		String	ID

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": {
    "pageMeta": {
      "pageNum": 1,
      "pageSize": 2,
      "total": 1,
      "pages": 1
    },
    "items": [
      {
        "userId": "dafe79bb-55a0-4c12-a573-a67d45cf2666",
        "nickName": "",
        "extEmail": "aaa@kingxunlian.com",
        "userPost": "",
        "extPhone": "12877766665"
      }
    ]
  },
  "ok": true
}
```

:

:

pageMeta	Json	
pageMeta.pageNum	Int	
pageMeta.pageSize	Int	
pageMeta.total	Int	

pageMeta.pages	Int	
items	List	
items.userId	String	ID
items.nickName	String	
items.extEmail	String	
items.userPost	String	
items.extPhone	String	

-

v2		2019-04-24	2019-04-24

URI:

- /co/document/v2/send-and-accept

- POST

Content-Type		string	application/json

:

		object	json

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": {
```

```
    "documentUUID": "3ffedf83-39af-4ec8-aa44-e5969754d2b6",
    "receiversDocumentUUID": "3ffedf83-39af-4ec8-aa44-e5969754d2b6",
    "status": "ACCEPTED"
  },
  "ok": true
}
```

:

```
{
  "status": {
    "time": 1556071347499,
    "returnCode": "500",
    "message": "",
    "serviceCode": "common-service"
  },
  "body": null,
  "ok": false
}
```

:

documentUUID	string	3ffedf83-39af-4ec8-aa44-e5969754d2b6	uuid
receiversDocumentUUID	string		uuid
status	string	SENT	

-

v2		2019-04-23	2019-04-23

URI:

- /co/document/v2/status/update

- POST

:

documentUUID		string	uuid
message		string	
status		string	

:

DRAFT	
SENT	
RECEIVED	
ACCEPTED	
REJECTED	

CANCEL_REQUESTING	
CANCEL_REJECTED	
CANCELED	
ISSUED	
DISPUTED	

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": "RECEIVED"
}
```

:

```
{
  "status": {
    "returnCode": "500",
    "message": "(message)"
  }
}
```

:

	string	

-

v2		2019-04-23	2019-04-23

URL:

- /co/document/v2/get

- GET

:

uuid		string	uuid

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": {
    "AccountingCustomerParty": {
      "FinancialAccount": null,
      "ID": null,
      "Name": "",
      "PartyIdentification": "123",
      "PartyName": "",
      "Person": null,
      "PostalAddress": "18331234,023-89038567"
    }
  }
}
```

```

        "Telephone": {
            "ID": null,
            "Name": null,
            "Phone": "18331234,023-89038567"
        }
    },
    "AccountingSupplierParty": {
        "FinancialAccount": "",
        "ID": "62b03222-54ec-4c65-af5f-55049445ff1f",
        "Name": "",
        "PartyIdentification": "310106666888888",
        "PartyName": "",
        "Person": "",
        "PostalAddress": "123,321",
        "Telephone": {
            "ID": null,
            "Name": null,
            "Phone": "123,321"
        }
    },
    "AuthDate": null,
    "AuthMethod": null,
    "AuthType": null,
    "BrandModel": null,
    "CertificateNumber": null,
    "CheckCode": null,
    "CheckStatus": null,
    "CheckTime": null,
    "CommodityInspectionNumber": null,
    "ConformityStatus": null,
    "ContractDocumentReference": null,
    "Deduction": null,
    "DespatchDocumentReference": null,
    "DocumentCreateParty": 1,
    "DocumentType": "Invoice",
    "Drawback": null,
    "EngineNumber": null,
    "HasStamp": null,
    "ID": "INV20190423000005",
    "ImportIDNumber": null,
    "InvoiceCode": null,
    "InvoiceNumber": null,
    "InvoiceTypeCode": "01",
    "IssueDate": 1555983282714,
    "IssueFailureReason": null,
    "IssueStatus": 0,
    "IssuerParty": {
        "PartyName": {

```

```

        "Name": {
            "value": null
        }
    },
    "LegalMonetaryTotal": {
        "LineExtensionAmount": 100,
        "TaxExclusiveAmount": 6,
        "TaxInclusiveAmount": 106
    },
    "Lines": [{
        "BuyersProductID": null,
        "Discount": null,
        "DispatchDocumentReference": null,
        "DispatchLineReference": "12313123",
        "DocumentReference": null,
        "DueDateOfPassage": null,
        "ID": "792934159126364160",
        "Item": {
            "AdditionalItemProperty": null,
            "BuyersItemIdentification": null,
            "BuyersItemModelName": null,
            "BuyersItemName": null,
            "Description": null,
            "ItemModelName": "----",
            "ItemName": null,
            "ModelName": null,
            "Name": null,
            "PackQuantity": 1,
            "QuantityUnitCode": {
                "unitCode": "--",
                "value": 1
            },
        },
        "SellersItemIdentification": null,
        "SellersItemName": null
    },
    "LineExtensionAmount": 100,
    "LineID": null,
    "LineReference": null,
    "MainUUIDReference": null,
    "OrderLineReference": null,
    "OrderReference": null,
    "PlateNumber": null,
    "Price": 100,
    "PriceAmount": 106,
    "ReceiptDocumentReference": null,
    "ReceiptLineReference": null,
    "ReconciliationDocumentReference": null,

```



```

        "ReconciliationSheetLineReference": "792934150536429569"
    ,
        "RelationReferences": null,
        "SellersProductID": null,
        "StartDateOfPassage": null,
        "TaxClassificationCode": "",
        "TaxInclusiveAmount": 106,
        "TaxTotal": {
            "TaxAmount": null,
            "TaxSubtotal": {
                "TaxAmount": {
                    "currencyID": null,
                    "value": 6
                },
                "TaxCategory": {
                    "Percent": {
                        "currencyID": null,
                        "value": 6
                    }
                }
            }
        },
        "VehicleType": null
    }
],
"MachineCode": null,
"NonconformityReason": "null" ,
"Note": "#GLDJ{12313123}" ,
"OrderReference": null,
"OriginatorDocumentReference": {
    "ID": "RID1231312300030"
},
"PayeeParty": {
    "PartyName": {
        "Name": {
            "value": ""
        }
    }
},
"PaymentMeans": ",15000064942475" ,
"PlaceOfOrigin": null,
"ReceiptDocumentReference": null,
"ReconciliationSheetReference": {
    "ID": null
},
"RelationReferences": null,
"SeatingCapacity": null,
"TaxAuthStatus": null,

```

```
    "TaxAuthorityCode": null,
    "TaxAuthorityName": null,
    "TaxPaymentCertificateNumber": null,
    "TaxRate": null,
    "TaxStatus": null,
    "Tonnage": null,
    "VehicleIdentificationNumber": null,
    "VehicleType": null,
    "ZeroTaxType": null,
    "diffComparisonLines": [],
    "Attachments": [],
    "LineRelationReferences": [],
    "RejectReason": ""
  },
  "ok": true
}
```



:

```
{
  "status": {
    "time": 1555989593812,
    "returnCode": "500",
    "message": "",
    "serviceCode": "common-service"
  },
  "body": null,
  "ok": false
}
```

:

	object	

-

v2		4-23	2019-04-23

URL:

- /co/document/v2/create

- POST

Content-Type		string	application/json

:

		object	json

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": {
    "documentUUID": "d107f434-b536-4467-ba78-103c2c2d62e4",

```

```
        "resultCode": 2
    },
    "ok": true
}
```

:

```
{
  "time": 1556008575786,
  "returnCode": "00102",
  "message": "request valid parameter error ",
  "description": "tokengUserId" ,
  "path": "/co/document/v2/create",
  "serviceCode": "common-service.document-biz-3legged"
}
```

:

documentUUID	string	id
resultCode	int	1-, 2-

-

v2		2019-04-23	2019-04-23

URI:

- /co/document/v2/query

- POST

:

role	array	Buyer,Seller	
documentType	array	Contract,ReceiptAdviceRATC01,Order	
status	array	REJECTED,SENT	
issueDateBegin	number	1555948800000	
issueDateEnd	number	1555948800000	
lastModifyTimeBegin	number	1555948800000	
lastModifyTimeEnd	number	1555948800000	
isArchived	boolean	false	
pageNum	number	1	
pageSize	number	20	

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": {
    "pageMeta": {
      "pageNum": 1,
      "pageSize": 1,
      "total": 563,
      "pages": 29
    },
    "items": [{
      "documentUUID": "d107f434-b536-4467-ba78-103c2c2d62e4",
      "tenantID": "bb15da22-b890-4ceb-b830-d42c3676a896",
      "documentID": "INV2019042300001",
      "issueDate": 1528214400000,
      "createTime": 1556011234777,
      "lastModifyTime": 1556011235809,
      "documentType": "Invoice",
      "actualDocumentType": "VatSpecial",
      "status": "ISSUED",
      "allowedTargetStatus": ["CANCELED"],
      "role": "Seller",
      "counterpartyUUID": null,
      "counterparty": "",
      "sender": "",
      "receiver": "",
      "isArchived": false,
      "isSenderParty": true,
      "refDocumentUUID": null,
      "mainUUID": "37d1e501-db17-4f4c-8c5f-0edc196720fa",
      "senderId": "bb15da22-b890-4ceb-b830-d42c3676a896",
      "receiverId": null,
      "consultId": null,
      "consultStatus": null
    }
  ]
},
  "ok": true
}
```

:

```
{
  "time": 1556008575786,
  "returnCode": "00102",
  "message": "request valid parameter error ",
  "description": "tokengUserId" ,
  "path": "/co/document/v2/create",
  "serviceCode": "common-service.document-biz-3legged"
}
```

items:

documentUUID	string	39499bff-2d73-4feb-9768-d2d4278c0a2e	
tenantID	string	bb15da22-b890-4ceb-b830-d42c3676a896	
documentID	string	—d	
issueDate	number	1553316480000	
createTime	number	1553316623269	
lastModifyTime	number	1554606926508	
documentType	string	ForecastDemand	
actualDocumentType	string	ForecastDemand	
status	string	SENT	
allowedTargetStatus	array	CANCEL_REQUESTING	
role	string	Buyer	
counterpartyUUID	string	0028c689-b89d-4692-a74e-03fb9f188b54	
counterparty	string	1	
sender	string		
receiver	string	1	
isArchived	boolean	false	
isSenderParty	boolean	true	
refDocumentUUID	object	null	

mainUUID	string	17e5baeb-683a-4ae1-83d3-b95ca0e20348	
senderId	string	bb15da22-b890-4ceb-b830-d42c3676a896	
receiverId	string	0028c689-b89d-4692-a74e-03fb9f188b54	
consultId	object	null	
consultStatus	object	null	

-

v2		2019-04-24	2019-04-24

URI:

- /co/document/v2/send

- POST

Content-Type		string	application/json

:

		object	json

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": {
    "documentUUID": "3ffedf83-39af-4ec8-aa44-e5969754d2b6",

```

```
        "status": "SENT"
    },
    "ok": true
}
```

:

```
{
  "status": {
    "time": 1556071347499,
    "returnCode": "500",
    "message": "",
    "serviceCode": "common-service"
  },
  "body": null,
  "ok": false
}
```

:

documentUUID	string	3ffedf83-39af-4ec8-aa44-e5969754d2b6	uuid
status	string	SENT	

UUID

- UUID

v2		2019-04-24	2019-04-24

URI:

- /co/document/v2/send-and-get-both-doc-uuid

- POST

Content-Type		string	application/json

:

		object	json

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": {
    "documentUUID": "3ffedf83-39af-4ec8-aa44-e5969754d2b6",

```

UUID

```
    "receiversDocumentUUID": "3ffedf83-39af-4ec8-aa44-e5969754d2b6",  
    "status": "SENT"  
  },  
  "ok": true  
}
```

:

```
{  
  "status": {  
    "time": 1556071347499,  
    "returnCode": "500",  
    "message": "",  
    "serviceCode": "common-service"  
  },  
  "body": null,  
  "ok": false  
}
```

:

documentUUID	string	3ffedf83-39af-4ec8-aa44-e5969754d2b6	uuid
receiversDocumentUUID	string		uuid
status	string	SENT	

-

v2		2019-04-24	2019-04-24

URI:

- /co/document/v2/info/get

- GET

:

uuid		string	uuid

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": {
    "documentUUID": "3ffedf83-39af-4ec8-aa44-e5969754d2b6",
    "tenantID": "bb15da22-b890-4ceb-b830-d42c3676a896",
    "documentID": "123111aaa",
    "issueDate": 1555901160000,
    "createTime": 1555901423758,
    "lastModifyTime": 1556071522581,
    "documentType": "Order",
    "actualDocumentType": "Order",
  }
}
```

```

        "status": "SENT",
        "allowedTargetStatus": ["CANCEL_REQUESTING"],
        "role": "Buyer",
        "counterpartyUUID": "e666636d-f8d0-471d-8d97-3ebe2814f31d",
        "counterparty": "",
        "sender": "",
        "receiver": "",
        "isArchived": false,
        "isSenderParty": true,
        "refDocumentUUID": null,
        "mainUUID": "d52a0dd1-7d82-4e6c-9192-8ba42315bbdf",
        "senderId": "bb15da22-b890-4ceb-b830-d42c3676a896",
        "receiverId": "e666636d-f8d0-471d-8d97-3ebe2814f31d",
        "consultId": null,
        "consultStatus": null
    },
    "ok": true
}

```

:

```

{
    "status": {
        "time": 1556071347499,
        "returnCode": "500",
        "message": "",
        "serviceCode": "common-service"
    },
    "body": null,
    "ok": false
}

```

:

documentUUID	string	3ffedf83-39af-4ec8-aa44-e5969754d2b6	
tenantID	string	bb15da22-b890-4ceb-b830-d42c3676a896	
documentID	string	123111aaa	
issueDate	number	1555901160000	
createTime	number	1555901423758	
lastModifyTime	number	1556071522581	

documentType	string	Order	
actualDocumentType	string	Order	
status	string	SENT	
allowedTargetStatus	array	CANCEL_REQUESTING	
role	string	Buyer	
counterpartyUUID	string	e666636d-f8d0-471d-8d97-3ebe2814f31d	
counterparty	string		
sender	string		
receiver	string		
isArchived	boolean	false	
isSenderParty	boolean	true	
refDocumentUUID	object	null	
mainUUID	string	d52a0dd1-7d82-4e6c-9192-8ba42315bbdf	uuid
senderId	string	bb15da22-b890-4ceb-b830-d42c3676a896	
receiverId	string	e666636d-f8d0-471d-8d97-3ebe2814f31d	
consultId	object	null	id
consultStatus	object	null	

-

v2		2019-04-24	2019-04-24

URI:

- /co/document/transform

- POST

Content-Type		string	application/json

:

documentUUID		string	uuid
toDocType		string	

:

:

```
{
  "status": {
    "returnCode": "200"
```



```
    },
    "body": {
      "documentUUID": "d107f434-b536-4467-ba78-103c2c2d62e4",
      "resultCode": 2
    },
    "ok": true
  }
```

:

```
{
  "status": {
    "time": 1556071347499,
    "returnCode": "00102",
    "message": "Contract" ,
    "serviceCode": "common-service"
  },
  "body": null,
  "ok": false
}
```

:

documentUUID	string	3ffedf83-39af-4ec8-aa44-e5969754d2b6	uuid

-

v2		2019-04-24	2019-04-24

URL:

- /co/document/v2/status/get

- GET

:

uuid		string	uuid

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": "SENT",
  "ok": true
}
```

:

```
{
  "status": {
    "time": 1556077128028,
```

```
    "returnCode": "500",  
    "message": "",  
    "serviceCode": "common-service"  
  },  
  "body": null,  
  "ok": false  
}
```

:

	sting	

-

v2		2019-4-23	2019-04-23

URL:

- /co/document/v2/custom/yjyz/despatch-advice/update-quantity

- POST

Content-Type		string	application/json

:

documentUUID		string	uuid
lineQuantity		array	

:

:

```
{
  "status": {
    "returnCode": "200"
```

```
    },  
    "body": 1,  
    "ok": true  
}
```

:

```
{  
  "status": {  
    "time": 1556077982030,  
    "returnCode": "70400",  
    "message": "",  
    "description": "",  
    "serviceCode": "document-service"  
  },  
  "body": null,  
  "ok": false  
}
```

:

	int	1

-

v2		2019-4-23	2019-04-23

URL:

- /co/document/v2/ui/draft/get

- GET

:

docType		string	
targetParty		string	

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": {
    "doc": {
      "123": null,
      "DocumentType": "Order",
      "ID": "",
      "DocumentCurrencyCode": "CNY",
      "IssueDate": 1556078227900,
    }
  }
}
```

```

"BuyerCustomerParty": {
  "ID": "bb15da22-b890-4ceb-b830-d42c3676a855",
  "Name": "22" ,
  "PostalAddress": null,
  "FinancialAccount": null,
  "PartyIdentification": null,
  "PartyName": null,
  "Telephone": null,
  "Person": null
},
"BuyerContact": {
  "ID": null,
  "Name": "" ,
  "Phone": null
},
"SellerSupplierParty": {
  "ID": null,
  "Name": null,
  "PostalAddress": null,
  "FinancialAccount": null,
  "PartyIdentification": null,
  "PartyName": null,
  "Telephone": null,
  "Person": null
},
"SellerContact": {
  "ID": null,
  "Name": null,
  "Phone": null
},
"RequestedDeliveryPeriod": {
  "StartDate": null,
  "EndDate": null
},
"Total": "0.00",
"PaymentMeans": "PMZ01",
"Note": "",
"DeliveryAddress": {
  "Country": "CHN",
  "CanonicalCountry": "CN",
  "CountrySubentity": null,
  "CityName": null,
  "AddressLine": null
},
"DeliveryContact": {
  "ID": null,
  "Name": null,
  "Phone": null
}

```

```

    },
    "Lines": [{
        "DocumentReference": null,
        "LineReference": null,
        "ID": null,
        "Name": null,
        "ModelName": null,
        "Description": null,
        "BuyersProductID": null,
        "BuyersItemIdentification": null,
        "BuyersItemName": null,
        "BuyersItemModelName": null,
        "SellersProductID": null,
        "SellersItemIdentification": null,
        "SellersItemName": null,
        "SellersItemModelName": null,
        "UnitCode": "TNE",
        "Quantity": null,
        "Price": null,
        "BaseQuantity": 1,
        "TaxRate": 0,
        "LineExtensionAmount": "0.00",
        "RelationReferences": null,
        "3nj": null,
        "LineExtra5": null
    }
    ],
    "Attachments": [],
    "RelationReferences": null,
    "RejectReason": null,
    "ddd": null,
    "LineExtra1": null,
    "sss": null
},
"rules": {
    "Extra": {
        "123": {
            "configGroupUUID": "5b74e628-d27c-4f01-a278-58e08a3a
1693",
            "configUUID": "a657b4b8-ac74-456e-b80b-e3543c896e1b"
        ,
            "fieldName": "123",
            "displayText": "123",
            "description": null,
            "isRequired": true,
            "isVisible": true,
            "fieldType": "DocField",
            "inputType": "TEXT",

```



```

        "selectOptions": null,
        "regex": null,
        "invalidTip": null,
        "regexDescription": null,
        "type": 2,
        "jsonPath": "$.123",
        "newVerifyRules": [{
            "functionUUID": "5973f1aa-43fc-454b-af8f-33a
f6a5e0c90",
            "description": "",
            "params": {
                "ad": "gte;eq;lte"
            },
            "checkType": "CONTROL",
            "errorMessage": "ddd"
        }
    ]
},
"ddd": {
    "configGroupUUID": "5b74e628-d27c-4f01-a278-58e08a3a
1693",
    "configUUID": "3467ea97-edea-4f8b-bbe9-c2999156cc7e"
,
    "fieldName": "ddd",
    "displayText": "aaa",
    "description": null,
    "isRequired": true,
    "isVisible": true,
    "fieldType": "DocField",
    "inputType": "TEXT",
    "selectOptions": null,
    "regex": null,
    "invalidTip": null,
    "regexDescription": null,
    "type": 0,
    "jsonPath": null,
    "newVerifyRules": []
},
"LineExtra1": {
    "configGroupUUID": "5b74e628-d27c-4f01-a278-58e08a3a
1693",
    "configUUID": "cc89dfb3-3bcf-4832-bc70-664d51f6f73d"
,
    "fieldName": "LineExtra1",
    "displayText": "",
    "description": "",
    "isRequired": true,
    "isVisible": true,

```

```

        "fieldType": "DocField",
        "inputType": "TEXT",
        "selectOptions": null,
        "regex": "^\\w+$",
        "invalidTip": "line-extra1"      ,
        "regexDescription": "regex"      ,
        "type": 2,
        "jsonPath": "$.LineExtra1",
        "newVerifyRules": null
    },
    "sss": {
        "configGroupUUID": "5b74e628-d27c-4f01-a278-58e08a3a
1693",
        "configUUID": "681d7f5a-087a-41e7-a1d0-efce0ccbceed"
    ,
        "fieldName": "sss",
        "displayText": "sss",
        "description": null,
        "isRequired": true,
        "isVisible": true,
        "fieldType": "DocField",
        "inputType": "TEXT",
        "selectOptions": null,
        "regex": null,
        "invalidTip": null,
        "regexDescription": null,
        "type": 1,
        "jsonPath": null,
        "newVerifyRules": []
    }
},
"Lines": {
    "Extra": {
        "3nj": {
            "configGroupUUID": "5b74e628-d27c-4f01-a278-58e0
8a3a1693",
            "configUUID": "282a8400-a460-4ac8-89e7-d6730287b
7e5",
            "fieldName": "3nj",
            "displayText": "1"      ,
            "description": null,
            "isRequired": false,
            "isVisible": true,
            "fieldType": "LineField",
            "inputType": "TEXT",
            "selectOptions": null,
            "regex": "/^.{0,10}$/",
            "invalidTip": "10"      ,

```

```

        "regexDescription": null,
        "type": 2,
        "jsonPath": "$.3nj",
        "newVerifyRules": null
    },
    "LineExtra5": {
        "configGroupUUID": "5b74e628-d27c-4f01-a278-58e0
8a3a1693",
        "configUUID": "2141ce20-dea6-4945-98ca-57c9fcff5
caf",
        "fieldName": "LineExtra5",
        "displayText": "",
        "description": "",
        "isRequired": true,
        "isVisible": true,
        "fieldType": "LineField",
        "inputType": "TEXT",
        "selectOptions": null,
        "regex": "^\\w+$",
        "invalidTip": "line-extra5",
        "regexDescription": "regex",
        "type": 2,
        "jsonPath": "$.LineExtra5",
        "newVerifyRules": null
    }
}
}
}
},
"ok": true
}

```

:

```

{
    "status": {
        "time": 1556087359035,
        "returnCode": "500",
        "message": "",
        "serviceCode": "common-service"
    },
    "body": null,
    "ok": false
}

```

:

doc	object	
rules	object	
rules.Extra	object	
rules.Lines	object	

-

v2		2019-4-24	2019-04-24

URL:

- /co/document/v2/update

- POST

Content-Type		string	application/json

:

documentUUID		string	uuid
content		obje	

:

:

```
{
  "status": {
    "returnCode": "200"
  },
}
```

```
"body": 1,  
"ok": true  
}
```

:

```
{  
  "time": 1556008575786,  
  "returnCode": "00102",  
  "message": "request valid parameter error ",  
  "description": "",  
  "path": "/co/document/v2/create",  
  "serviceCode": "common-service.document-biz-3legged"  
}
```

:

	int	0

-

v2		2019-04-24	2019-04-24

URL:

- /co/document/v2/get-patch

- GET

:

uuid		string	uuid

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": {
    "DocumentType": "Order",
    "ID": "123111aaa",
    "IssueDate": 1555901160000,
    "DocumentCurrencyCode": "CNY",
    "BuyerCustomerParty": {
      "ID": "bb15da22-b890-4ceb-b830-d42c3676a896",
      "Name": "",

```

```

        "PostalAddress": null,
        "FinancialAccount": null,
        "PartyIdentification": null,
        "PartyName": null,
        "Telephone": null,
        "Person": null
    },
    "BuyerContact": {
        "ID": "05059991-673a-4e54-ac03-ae10fc45402c",
        "Name": "",
        "Phone": null
    },
    "SellerSupplierParty": {
        "ID": "e666636d-f8d0-471d-8d97-3ebe2814f31d",
        "Name": "",
        "PostalAddress": null,
        "FinancialAccount": null,
        "PartyIdentification": null,
        "PartyName": null,
        "Telephone": null,
        "Person": null
    },
    "SellerContact": {
        "ID": "",
        "Name": null
    },
    "RequestedDeliveryPeriod": {},
    "Lines": [{
        "DocumentReference": null,
        "LineReference": null,
        "ID": null,
        "Name": null,
        "ModelName": null,
        "Description": null,
        "BuyersProductID": null,
        "BuyersItemIdentification": null,
        "BuyersItemName": null,
        "BuyersItemModelName": null,
        "SellersProductID": null,
        "SellersItemIdentification": null,
        "SellersItemName": null,
        "SellersItemModelName": null,
        "UnitCode": "EA",
        "Quantity": 12,
        "Price": null,
        "BaseQuantity": 1,
        "TaxRate": "0",
        "LineExtensionAmount": "0.00",
    }],

```



```

        "SourceReferences": null
    },
    ],
    "Total": "0.00",
    "PaymentMeans": "PMZ01",
    "Note": "",
    "DeliveryAddress": {
        "Country": "CHN",
        "AddressLine": null
    },
    "DeliveryContact": {
        "Name": null,
        "Phone": null
    },
    "Attachments": [],
    "LineRelationReferences": [],
    "RejectReason": "",
    "OrderNumber": "123111aaa"
},
"ok": true
}

```

:

```

{
  "status": {
    "time": 1556090070188,
    "returnCode": "500",
    "message": "",
    "serviceCode": "common-service"
  },
  "body": null,
  "ok": false
}

```

:

	object	

- ID

v1		2019-07-3	2019-07-3

URL:

- /co/document/scan-template

- GET

:

templateID		string	

:

:

```
{
  "status": {
    "returnCode": "200"
  },
  "body": {
    "templateID": "ABB6",
    "templateName": "payment/non po conver",
    "header": [
      {
        "name": "barcode",
        "key": "barcode",
        "type": "input"
      }
    ]
  }
}
```

```

    ],
    "list": []
  },
  "ok": true
}

```

:

```

{
  "status": {
    "time": 1556090070188,
    "returnCode": "500",
    "message": "",
    "serviceCode": "common-service"
  },
  "body": null,
  "ok": false
}

```

:

templateID	string	
templateName	string	
header	list	
header[].name	string	
header[].key	string	
header[].type	string	input
list	list	input
list[].name	string	
list[].key	string	
list[].type	string	input

		2019-5-6	2019-5-6

URL:

/product/getPlatformProductList

POST

:

name		String	
specification		String	
companyId		String	id

:

:

```
{
  "body": [
    {
      "brandId": null,
      "brandName": null,
      "categoryId": 25,
      "categoryName": null,
      "categoryParentIds": null,
      "detailContent": "111",
      "id": 1,
    }
  ]
}
```

```

        "internalNumber": "123",
        "isUalityInspection": 1,
        "name": "111" ,
        "priceAmount": 111,
        "procurementCycle": null,
        "referencePrice": 1,
        "shorthand": "3",
        "specification": "" ,
        "spuCode": "XC33331",
        "status": 0,
        "taxCategoryCode": "2",
        "taxId": 1,
        "taxRate": 0,
        "unitId": null,
        "unitName": null
    }
],
"ok": true,
"status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
}
}
}

```

:

```

{
    "body": null,
    "ok": false,
    "status": {
        "description": "" ,
        "message": "request valid parameter error ",
        "path": "/product/getPlatformProductList",
        "returnCode": "00102",
        "serviceCode": "common-service.kxl-product-service",
        "time": 1557220953930
    }
}
}

```

:

--	--	--

List	List	
id	Long	id
name	String	
specification	String	
brandId	Long	id
brandName	String	
categoryId	Long	id
categoryName	String	
categoryParentIds	List	id
spuCode	String	spu
internalNumber	String	
taxCategoryCode	String	
shorthand	String	
referencePrice	BigDecimal	
priceAmount	BigDecimal	
taxId	Long	id
taxRate	BigDecimal	
unitId	Long	id
unitName	String	
isUalityInspection	Integer	. 0: 1:
procurementCycle	Integer	
status	Integer	. 0: 1:
detailContent	String	

- ()

		2019-9-16	2019-9-16

URL:

- /product/getProductByCategoryName

- POST

:

companyId		String	id
categoryName		String	
pageNum		Integer	
pageSize		Integer	

:

:

```
{
  "body": {
    "items": [
      {
        "attributeV0List": null,
        "brandName": null,
        "buyGroupCode": null,
        "buyGroupId": null,
```

```

        "categoryName": "" ,
        "createTime": "2019-08-23 17:22:05.0",
        "factoryCode": null,
        "factoryId": null,
        "id": 6838,
        "internalNumber": null,
        "isUalityInspection": 0,
        "name": "" ,
        "priceAmount": null,
        "procurementCycle": null,
        "shorthand": null,
        "specification": null,
        "spuCode": "10006010000006838",
        "status": 1,
        "taxCategoryCode": "2018051900",
        "taxId": null,
        "taxRate": null,
        "unitId": null,
        "unitName": null
    }
],
"pageMeta": {
    "pageNum": 1,
    "pageSize": 10,
    "pages": 1,
    "total": 1
}
},
"ok": true,
"status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
}
}
}

```

:

```

{
    "body": null,
    "ok": false,
    "status": {
        "description": "id" ,
        "message": "request valid parameter error ",
    }
}

```

```

    "path": "/product/getProductByPlatform",
    "returnCode": "00102",
    "serviceCode": "common-service.kxl-product-service",
    "time": 1557220953930
  }
}

```

:

items	List	
id	Long	id
name	String	
specification	String	
brandId	Long	id
brandName	String	
categoryId	Long	id
categoryName	String	
categoryParentIds	List	id
spuCode	String	spu
internalNumber	String	
taxCategoryCode	String	
shorthand	String	
referencePrice	BigDecimal	
priceAmount	BigDecimal	
taxId	Long	id
taxRate	BigDecimal	
unitId	Long	id
unitName	String	

isUalityInspection	Integer	. 0: 1:
procurementCycle	Integer	
status	Integer	. 0: 1:
detailContent	String	
pageNum	Integer	
pageSize	Integer	
pages	Integer	
total	Integer	

- id

		2019-5-6	2019-5-6

URL:

- /product/userCategory/getCategoryByParentId

- POST

:

parentId		Long	id
companyId		String	id

:

:

```
{
  "body": [
    {
      "categoryCode": "YAML",
      "categoryName": "",
      "children": null,
      "createTime": null,
      "description": null,
      "iconUrl": null,
      "id": 301,
      "isGuide": null,
    }
  ]
}
```

```

    "isLastNode": 1,
    "level": 1,
    "parentId": 0,
    "parentIds": null,
    "sort": null,
    "status": 1
  },
  {
    "categoryCode": "YEQP",
    "categoryName": "",
    "children": null,
    "createTime": null,
    "description": null,
    "iconUrl": null,
    "id": 302,
    "isGuide": null,
    "isLastNode": 1,
    "level": 1,
    "parentId": 0,
    "parentIds": null,
    "sort": null,
    "status": 1
  },
  {
    "categoryCode": "YERP",
    "categoryName": "",
    "children": null,
    "createTime": null,
    "description": null,
    "iconUrl": null,
    "id": 303,
    "isGuide": null,
    "isLastNode": 1,
    "level": 1,
    "parentId": 0,
    "parentIds": null,
    "sort": null,
    "status": 1
  },
  {
    "categoryCode": "YGPA",
    "categoryName": "/",
    "children": null,
    "createTime": null,
    "description": null,
    "iconUrl": null,
    "id": 304,
    "isGuide": null,

```



```

        "isLastNode": 1,
        "level": 1,
        "parentId": 0,
        "parentIds": null,
        "sort": null,
        "status": 1
    },
    {
        "categoryCode": "YMAM",
        "categoryName": "",
        "children": null,
        "createTime": null,
        "description": null,
        "iconUrl": null,
        "id": 305,
        "isGuide": null,
        "isLastNode": 1,
        "level": 1,
        "parentId": 0,
        "parentIds": null,
        "sort": null,
        "status": 1
    },
    {
        "categoryCode": "YMCT",
        "categoryName": "",
        "children": null,
        "createTime": null,
        "description": null,
        "iconUrl": null,
        "id": 306,
        "isGuide": null,
        "isLastNode": 1,
        "level": 1,
        "parentId": 0,
        "parentIds": null,
        "sort": null,
        "status": 1
    }
],
"ok": true,
"status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
}

```

```
}
}
```

:

```
{
  "body": null,
  "ok": false,
  "status": {
    "description": null,
    "message": "Required Long parameter 'parentId' is not present",
    "path": "/product/userCategory/getCategoryByParentId",
    "returnCode": "99999",
    "serviceCode": "kx1-product-service",
    "time": 1557222709463
  }
}
```

:

	List	
id	Long	id
categoryName	String	
categoryCode	String	
iconUrl	String	
parentId	Long	id
parentIds	List	
description	String	
isGuide	Integer	. 0: 1
sort	Integer	
level	Integer	
isLastNode	Integer	0: 1:
status	Integer	, 0: 1:

createTime	String	
children	List	

-

		2019-5-6	2019-5-6

URL:

- /product/unit/getUnitAll

- POST

:

:

:

```
{
  "body": [
    {
      "code": "TNE",
      "createTime": "2018-09-30 13:14:54.0",
      "enName": "tonne",
      "id": 1,
      "initial": "",
      "name": "",
      "status": 1
    },
    {
      "code": "KGM",
```

```

    "createTime": "2018-09-30 13:15:03.0",
    "enName": "kilogram",
    "id": 2,
    "initial": "",
    "name": "" ,
    "status": 0
  },
  {
    "code": "MTR",
    "createTime": "2018-09-30 13:15:07.0",
    "enName": "metre",
    "id": 3,
    "initial": "",
    "name": "" ,
    "status": 0
  },
  {
    "code": "ST",
    "createTime": "2018-09-30 13:15:13.0",
    "enName": "sheet",
    "id": 4,
    "initial": "",
    "name": "" ,
    "status": 1
  },
  {
    "code": "ZZ1",
    "createTime": "2018-09-30 13:15:20.0",
    "enName": "" ,
    "id": 5,
    "initial": "",
    "name": "" ,
    "status": 1
  },
  {
    "code": "EA",
    "createTime": "2018-09-30 13:15:26.0",
    "enName": "each",
    "id": 6,
    "initial": "",
    "name": "" ,
    "status": 1
  },
  {
    "code": "SET",
    "createTime": "2018-09-30 13:15:42.0",
    "enName": "set",
    "id": 7,

```

```

        "initial": "",
        "name": "",
        "status": 0
    },
    {
        "code": "BX",
        "createTime": "2018-09-30 13:15:49.0",
        "enName": "box",
        "id": 8,
        "initial": "",
        "name": "",
        "status": 1
    },
    {
        "code": "ZZ0",
        "createTime": "2018-09-30 13:15:54.0",
        "enName": "",
        "id": 9,
        "initial": "",
        "name": "",
        "status": 0
    }, ],
    "ok": true,
    "status": {
        "description": null,
        "message": null,
        "path": null,
        "returnCode": "200",
        "serviceCode": null,
        "time": null
    }
}
}

```

:

:

List	List	
id	Long	id
name	String	
initial	String	

code	String	
enName	String	
status	Integer	, 0: 1:
createTime	String	

()

()

-

		2019-5-6	2019-5-6

URL:

- /product/unit/getUnit

- POST

:

name		String	
enName		String	
status		Integer	. 0: 1:
pageNum		Integer	
pageSize		Integer	

:

:

```
{
  "body": {
    "items": [
      {
        "code": "B0",
        "createTime": "2018-09-30 13:16:09.0",
```



```

    "enName": "bottle",
    "id": 12,
    "initial": "",
    "name": "",
    "status": 1
  },
  {
    "code": "PK",
    "createTime": "2018-09-30 13:16:03.0",
    "enName": "pack",
    "id": 11,
    "initial": "",
    "name": "",
    "status": 1
  },
  {
    "code": "CS",
    "createTime": "2018-09-30 13:15:59.0",
    "enName": "case",
    "id": 10,
    "initial": "",
    "name": "",
    "status": 1
  },
  {
    "code": "ZZ0",
    "createTime": "2018-09-30 13:15:54.0",
    "enName": "",
    "id": 9,
    "initial": "",
    "name": "",
    "status": 0
  },
  {
    "code": "BX",
    "createTime": "2018-09-30 13:15:49.0",
    "enName": "box",
    "id": 8,
    "initial": "",
    "name": "",
    "status": 1
  },
  {
    "code": "SET",
    "createTime": "2018-09-30 13:15:42.0",
    "enName": "set",
    "id": 7,
    "initial": "",

```

0

```
        "name": "",
        "status": 0
    },
    {
        "code": "EA",
        "createTime": "2018-09-30 13:15:26.0",
        "enName": "each",
        "id": 6,
        "initial": "",
        "name": "",
        "status": 1
    }
],
"pageMeta": {
    "pageNum": 1,
    "pageSize": 20,
    "pages": 2,
    "total": 27
}
},
"ok": true,
"status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
}
}
```

:

:

PageList	Object	
id	Long	id
name	String	
initial	String	

()

code	String	
enName	String	
status	Integer	, 0: 1:
createTime	String	

-

		2019-5-6	2019-5-6

URL:

- /product/materiel/getMaterielByBuyer

- POST

:

buyerCompanyId		String	id
buyerProductId		Long	id
supplierCompanyId		String	id

:

:

```
{
  "body": {
    "buyerCategoryId": null,
    "buyerCompanyId": "c6ce95bc-4cfc-43cf-8332-8b7dacd47657",
    "buyerInternalNumber": "100004545323667",
    "buyerProductId": 37,
    "buyerProductName": "",
    "buyerSpecification": "31",
    "buyerSpuCode": "123",
    "buyerTaxCode": null,
  }
}
```

```

"buyerUnitId": null,
"buyerUnitName": null,
"createTime": 1539083870000,
"id": 12,
"remarks": "234",
"supplierCategoryId": null,
"supplierCompanyId": "bb15da22-b890-4ceb-b830-d42c3676a896",
"supplierInternalNumber": "100004545323645",
"supplierProductId": 40,
"supplierProductName": "" ,
"supplierSpecification": "12423",
"supplierSpuCode": "DF",
"supplierTaxCode": "1",
"supplierUnitId": null,
"supplierUnitName": null
},
"ok": true,
"status": {
  "description": null,
  "message": null,
  "path": null,
  "returnCode": "200",
  "serviceCode": null,
  "time": null
}
}

```

:

```

{
  "body": null,
  "ok": true,
  "status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
  }
}

```

:

id	Long	id
buyerCompanyId	String	id
buyerProductId	Long	id
buyerProductName	String	
buyerSpuCode	String	spu
buyerSpecification	String	
buyerTaxCode	String	
buyerCategoryId	Long	id
buyerInternalNumber	String	
buyerUnitId	Long	id
buyerUnitName	String	
supplierCompanyId	String	id
supplierProductId	Long	id
supplierProductName	String	
supplierSpuCode	String	spu
supplierSpecification	String	
supplierTaxCode	String	
supplierCategoryId	Long	id
supplierInternalNumber	String	
supplierUnitId	Long	id
supplierUnitName	String	
remarks	String	
createTime	Date	

id

id

- id

		2019-5-6	2019-5-6

URL:

- /product/materiel/getMaterielBySupplier

- POST

:

buyerCompanyId		String	id
supplierCompanyId		String	id
supplierProductId		Long	id

:

:

```
{
  "body": [
    {
      "buyerCategoryId": null,
      "buyerCompanyId": "e036f623-212d-4363-acf6-3fd96a49bc8b",
      "buyerInternalNumber": "31000006",
      "buyerProductId": 176,
      "buyerProductName": "A380",
      "buyerSpecification": null,
      "buyerSpuCode": "1000050000000176",
    }
  ]
}
```


id

```
    "buyerTaxCode": null,
    "buyerUnitId": null,
    "buyerUnitName": null,
    "createTime": 1540454397000,
    "id": 37,
    "remarks": null,
    "supplierCategoryId": null,
    "supplierCompanyId": "e036f623-212d-4363-acf6-3fd96a49bc8b",
    "supplierInternalNumber": "31000006",
    "supplierProductId": 180,
    "supplierProductName": "A380" ,
    "supplierSpecification": null,
    "supplierSpuCode": "10000500000000176",
    "supplierTaxCode": null,
    "supplierUnitId": null,
    "supplierUnitName": null
  }
],
"ok": true,
"status": {
  "description": null,
  "message": null,
  "path": null,
  "returnCode": "200",
  "serviceCode": null,
  "time": null
}
}
```

:

```
{
  "body": [],
  "ok": true,
  "status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
  }
}
```

:

--	--	--

PageMeta	object	
id	Long	id
buyerCompanyId	String	id
buyerProductId	Long	id
buyerProductName	String	
buyerSpuCode	String	spu
buyerSpecification	String	
buyerTaxCode	String	
buyerCategoryId	Long	id
buyerInternalNumber	String	
buyerUnitId	Long	id
buyerUnitName	String	
supplierCompanyId	String	id
supplierProductId	Long	id
supplierProductName	String	
supplierSpuCode	String	spu
supplierSpecification	String	
supplierTaxCode	String	
supplierCategoryId	Long	id
supplierInternalNumber	String	
supplierUnitId	Long	id
supplierUnitName	String	
remarks	String	
createTime	Date	

-

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URL:

- /product/materiel/getMaterielContrast

- POST

:

buyerCompanyId		String	id
supplierCompanyId		String	id
categoryId		Long	id
content		String	/
pageNum		Integer	
pageSize		Integer	

:

:

```
{
  "body": {
    "items": [
      {
```

```

"buyerCategoryId": null,
"buyerCompanyId": "e036f623-212d-4363-acf6-3fd96a49bc8b",
"buyerInternalNumber": "44015004",
"buyerProductId": 126,
"buyerProductName": "590*730*30" ,
"buyerSpecification": null,
"buyerSpuCode": "1000050000000126",
"buyerTaxCode": null,
"buyerUnitId": null,
"buyerUnitName": null,
"createTime": 1540285890000,
"id": 35,
"remarks": null,
"supplierCategoryId": null,
"supplierCompanyId": "e036f623-212d-4363-acf6-3fd96a49bc8b",
"supplierInternalNumber": "44015004",
"supplierProductId": 174,
"supplierProductName": "590*730*30" ,
"supplierSpecification": null,
"supplierSpuCode": "1000050000000126",
"supplierTaxCode": null,
"supplierUnitId": null,
"supplierUnitName": null
},
{
  "buyerCategoryId": null,
  "buyerCompanyId": "e036f623-212d-4363-acf6-3fd96a49bc8b",
  "buyerInternalNumber": "31000006",
  "buyerProductId": 176,
  "buyerProductName": "A380" ,
  "buyerSpecification": null,
  "buyerSpuCode": "1000050000000176",
  "buyerTaxCode": null,
  "buyerUnitId": null,
  "buyerUnitName": null,
  "createTime": 1540454397000,
  "id": 37,
  "remarks": null,
  "supplierCategoryId": null,
  "supplierCompanyId": "e036f623-212d-4363-acf6-3fd96a49bc8b",
  "supplierInternalNumber": "31000006",
  "supplierProductId": 180,
  "supplierProductName": "A380" ,
  "supplierSpecification": null,
  "supplierSpuCode": "1000050000000176",
  "supplierTaxCode": null,
  "supplierUnitId": null,
  "supplierUnitName": null
}

```

```

    },
    {
      "buyerCategoryId": null,
      "buyerCompanyId": "e036f623-212d-4363-acf6-3fd96a49bc8b",
      "buyerInternalNumber": "31000002",
      "buyerProductId": 177,
      "buyerProductName": "ENAC-46000" ,
      "buyerSpecification": null,
      "buyerSpuCode": "1000050000000177",
      "buyerTaxCode": null,
      "buyerUnitId": null,
      "buyerUnitName": null,
      "createTime": 1540454378000,
      "id": 36,
      "remarks": null,
      "supplierCategoryId": null,
      "supplierCompanyId": "e036f623-212d-4363-acf6-3fd96a49bc8b",
      "supplierInternalNumber": "31000002",
      "supplierProductId": 179,
      "supplierProductName": "ENAC-46000" ,
      "supplierSpecification": null,
      "supplierSpuCode": "1000050000000177",
      "supplierTaxCode": null,
      "supplierUnitId": null,
      "supplierUnitName": null
    }
  ],
  "pageMeta": {
    "pageNum": 1,
    "pageSize": 10,
    "pages": 1,
    "total": 3
  }
},
"ok": true,
"status": {
  "description": null,
  "message": null,
  "path": null,
  "returnCode": "200",
  "serviceCode": null,
  "time": null
}
}

```

:

```

{
  "body": {
    "items": [],
    "pageMeta": {
      "pageNum": 1,
      "pageSize": 10,
      "pages": 0,
      "total": 0
    }
  },
  "ok": true,
  "status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
  }
}

```

:

PageMeta	object	
	List	
id	Long	id
buyerCompanyId	String	id
buyerProductId	Long	id
buyerProductName	String	
buyerSpuCode	String	spu
buyerSpecification	String	
buyerTaxCode	String	
buyerCategoryId	Long	id
buyerInternalNumber	String	
buyerUnitId	Long	id

buyerUnitName	String	
supplierCompanyId	String	id
supplierProductId	Long	id
supplierProductName	String	
supplierSpuCode	String	spu
supplierSpecification	String	
supplierTaxCode	String	
supplierCategoryId	Long	id
supplierInternalNumber	String	
supplierUnitId	Long	id
supplierUnitName	String	
remarks	String	
createTime	Date	

-

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URL:

- /product/materiel/createMaterielByBuyerProduct

- POST

:

buyerCompanyId		String	id
buyerProductIds		List	id
supplierCompanyId		String	id

:

:

```
{
  "body": [
    {
      "buyerCategoryId": 500,
      "buyerCompanyId": "bb15da22-b890-4ceb-b830-d42c3676a896",
      "buyerInternalNumber": "31000006",
      "buyerProductId": 341,
      "buyerProductName": "A380",
      "buyerSpecification": "A380",
      "buyerSpuCode": "1000500000000341",
    }
  ]
}
```

```

    "buyerTaxCode": null,
    "buyerUnitId": 2,
    "buyerUnitName": "" ,
    "createTime": null,
    "id": null,
    "remarks": null,
    "supplierCategoryId": 241,
    "supplierCompanyId": "de7b1472-5936-4723-aabb-7f9690f11310",
    "supplierInternalNumber": "31000006",
    "supplierProductId": 6636,
    "supplierProductName": "A380" ,
    "supplierSpecification": "A380",
    "supplierSpuCode": "10005000000000341",
    "supplierTaxCode": null,
    "supplierUnitId": 2,
    "supplierUnitName": ""
  },
  {
    "buyerCategoryId": 500,
    "buyerCompanyId": "bb15da22-b890-4ceb-b830-d42c3676a896",
    "buyerInternalNumber": "31000002",
    "buyerProductId": 340,
    "buyerProductName": "ENAC-46000" ,
    "buyerSpecification": "ENAC-46000",
    "buyerSpuCode": "10005000000000340",
    "buyerTaxCode": "",
    "buyerUnitId": 2,
    "buyerUnitName": "" ,
    "createTime": null,
    "id": null,
    "remarks": null,
    "supplierCategoryId": 241,
    "supplierCompanyId": "de7b1472-5936-4723-aabb-7f9690f11310",
    "supplierInternalNumber": "31000002",
    "supplierProductId": 6637,
    "supplierProductName": "ENAC-46000" ,
    "supplierSpecification": "ENAC-46000",
    "supplierSpuCode": "10005000000000340",
    "supplierTaxCode": "",
    "supplierUnitId": 2,
    "supplierUnitName": ""
  }
],
"ok": true,
"status": {
  "description": null,
  "message": null,
  "path": null,

```

```

        "returnCode": "200",
        "serviceCode": null,
        "time": null
    }
}

```

:

```

{
  "body": null,
  "ok": false,
  "status": {
    "description": "ManufacturersItemIdentification!",
    "message": "request valid parameter error ",
    "path": "/product/materiel/createMaterielByBuyerProduct",
    "returnCode": "00102",
    "serviceCode": "common-service.kxl-product-service",
    "time": 1557308850561
  }
}

```

:

List	List	
id	Long	id
buyerCompanyId	String	id
buyerProductId	Long	id
buyerProductName	String	
buyerSpuCode	String	spu
buyerSpecification	String	
buyerTaxCode	String	
buyerCategoryId	Long	id
buyerInternalNumber	String	
buyerUnitId	Long	id
buyerUnitName	String	

supplierCompanyId	String	id
supplierProductId	Long	id
supplierProductName	String	
supplierSpuCode	String	spu
supplierSpecification	String	
supplierTaxCode	String	
supplierCategoryId	Long	id
supplierInternalNumber	String	
supplierUnitId	Long	id
supplierUnitName	String	
remarks	String	
createTime	Date	

- - i. token
 - ii. 7SDKjsjava7
 - iii.
 - iv.

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- POST

Content-Type		string	application/json

URL:

post /tax/file/generate-invoice-ocr-token

:

requestNumber		String	
callbackUrl		String	
filePrefix		String	
additionalData		String	

:

```
{
  "additionalData": "test",
  "callbackUrl": "http://localhost:8080/file/callback",
  "filePrefix": "/dev",
  "requestNumber": "dasd8a9fa989q9"
}
```

```
:
:
```

```
{
  "body": {
    "filePrefix": "string",
    "token": "ydAnjUYSgljbG2uxGgq3dsknWhzgHejivXZ-jDcx:uUW6C8kdkygaq3noW
suSHkxu1bA=:eyJzY29wZSI6Imt4bC10ZXN0OnN0cmLuZyIsImIzUHJlZm14YWxTY29wZSI6
MSwiZGVhZGxpbmUiOjE1NTczNzE4MTYsImNhbgxiYWNRVXJsIjoiaHR0cDovL2Jpei1nYXRl
d2F5LmRldi5raw5neHVubGlhbi5jb20vZmlsZS9jYWxsYmFjayIsImNhbgxiYWNRQm9keSI6
IntcImNhbgxCYWNRSnNvblwiOlwie1xcXCJhZGRpdGlubmFsRGF0YVxcXCI6XFxcInN0cmLu
Z1xcXCIsXFxcImNhbgxiYWNRVXJsXFxcIjpcXFwic3RyaW5nXFxcIixcXFwicmVxdWVzdE51
bWJlc1xcXCI6XFxcIjExMjMzZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZl
NTU3MzY4MjE1NjE3fVwiLFwiY2FsbEJhY2tUb3BpY1wiOlwibGVnZ2VklWltYWdlLWNhbGxi
YWNrXCIsXCJoZWFKZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZl
MC00Y2ViLWI4MzAtZDQyYzZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZl
YW5kZXZcIixcIngta3hsLXVzZXItZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZl
OlwiMTU1NzZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZlZmZl
c2VyLWlkXCI6XCI3MDQ1ZjY1Yy0zYTRhLTRmNzYtOWQ4NS05NzZmZlZmZlZmZlZmZlZmZl
a3hsLWctdXNlc1pZfwiOlwiMDNjM2E4OGYtM2I0Mi00ZjFlLTgxYWYtMzU0ZjNhY2JjMDMw
XCIsXCJ4LWt4bC1kZXBhcnRtZW50LWlkXCI6XCIwM2MzYTg4Zi0zYjQyLTRmMWUtODFhZi0z
NTRmM2FjYmMwMzBcIn0sXCJrZXlcIjpcIiQoa2V5KVwifSIsImNhbgxiYWNRQm9keVR5cGUi
OiJhcHBsaWNhdGlubi9qc29uIn0=",
    "uploadUrl": "upload.qiniu.com"
  },
  "ok": true,
  "status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
  }
}
```

```
:
```

:

ok	String	true
filePrefix	String	,
token	String	token
uploadUrl	String	

-

		2019-5-6	2019-5-6

- POST

Content-Type		string	application/json

URL:

post /tax/file/find-image

:

imagePath		String	

:

```
{  
  "imagePath": "d0f627ce-2cc0-4f10-b6fe-f7c0b24ecb4d363_20190214181807363  
  .jpg"  
}
```

:

:

```
{
  "body": {
    "imageUrl": "http://img.test.kingxunlian.com/d0f627ce-2cc0-4f10-b6fe-f7c0b24ecb4d363_20190214181807363.jpg?e=1557377485&token=ydAnjUYSgljbG2uxGgq3dsknWhzgHejivXZ-jDcx:tSviAqSA9yN2JlJvHWGIyM1iU1A="
  },
  "ok": true,
  "status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
  }
}
```

:

:

ok	String	true
imageUrl	String	http

		2019-5-6	2019-5-6

- POST

Content-Type		string	application/json

URL:

post /tax/file/generate-invoice-ocr-token

:

reqSerialNumber		String	
invoiceCode		String	
invoiceNumber		String	
invoiceDate		String	yyyy-MM-dd
amountWithoutTax		String	
invoiceParityCode		String	

:

```
{
  "amountWithoutTax": 4192.15,
  "invoiceParityCode": "",
  "invoiceCode": "5000174130",
  "invoiceDate": "2018-06-06",
  "invoiceNumber": "00027997"
}
```

:

:

```
{
  "body": "",
  "ok": true,
  "status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
  }
}
```

:

:

ok	String	true

-OCR

-

-

- API

1.0		2019-5-15	2019-5-15

- POST

Content-Type		string	application/json

URL:

post /reconciliation/saveReconForApi

:

reconciliationNo		String	
currency		String	
startTime		Date	
endTime		Date	
buyCompanyName		String	
buyCompanyTaxId		String	
supplierCompanyName		String	

supplierCompanyTaxId		String	
itemList		List	
itemNo		String	
itemName		String	
specification		String	
productNo		String	
quantity		BigDecimal	
unit		enum	
unitPrice		BigDecimal	
amountWithoutTax		BigDecimal	()
taxPercent		BigDecimal	
taxAmount		BigDecimal	(*)
amount		BigDecimal	(+)
discount		BigDecimal	
buyerItemName		String	
buyerSpecification		String	

:

```
{
  "reconciliationNo": "hailan-API-Buy1557883270376",
  "currency": "",
  "startTime": 1557883315047,
  "endTime": 1557883315047,
  "buyCompanyName": "",
  "buyCompanyTaxId": "91500103MA5UAHBY29",
  "supplierCompanyName": "",
  "supplierCompanyTaxId": "310106666888888",
  "itemList": [{
    "itemNo": "01",
    "itemName": "API",
    "productNo": "233W5THXL-01212",

```

```

        "specification": "BQF3 - C",
        "quantity": 10,
        "realStoreQuantity": null,
        "unit": "EA",
        "unitPrice": 4179.43,
        "unitPriceWithoutTax": null,
        "amountWithoutTax": 39428.58,
        "taxPercent": 0.06,
        "taxAmount": 2365.71,
        "amount": 41794.3,
        "discount": 100,
        "productId": null,
        "buyerProductId": null,
        "buyerItemName": "API" ,
        "buyerSpecification": "BQF3 - C",
    }
}

```

```

:
:

```

```

{
  "body": {
    "reconciliationUuid": "f5e5a195-394f-4e7c-8865-989fdce600b3"
  },
  "ok": true,
  "status": {
    "description": {},
    "message": "string",
    "path": "string",
    "returnCode": "string",
    "serviceCode": "string",
    "time": "2019-05-15T06:34:06.874Z"
  }
}

```

```

:

```

```

{
  "body": {},
  "ok": false,
  "status": {
    "description": {},
    "message": "" ,
    "returnCode": "200",

```

```
"time": "2019-05-15T06:34:06.874Z"
```

```
}
```

```
}
```

:

ok	String	true
reconciliationUuid	String	UUID

- API

1.0		2019-5-15	2019-5-15

- POST

Content-Type		string	application/json

URL:

post /reconciliation/updateReconForApi

:

reconciliationNo		String	
itemList		List	
itemNo		String	
itemName		String	
specification		String	
productNo		String	
quantity		BigDecimal	

unit		enum	
unitPrice		BigDecimal	
amountWithoutTax		BigDecimal	()
taxPercent		BigDecimal	
taxAmount		BigDecimal	(*)
amount		BigDecimal	(+)
discount		BigDecimal	
buyerItemName		String	
buyerSpecification		String	

:

```
{
  "itemList": [
    {
      "buyerItemName": "",
      "buyerProductId": 11,
      "buyerSpecification": "0x092",
      "discount": 0,
      "itemName": "",
      "itemNo": "758260398519483130",
      "productNo": "0x092",
      "quantity": 1000,
      "specification": "0x092",
      "taxPercent": 3,
      "unit": "EA",
      "unitPrice": 1
    }
  ],
  "reconciliationNo": "RE2019032900000001"
}
```

:

:

```
{
  "body": {
```

```
-
{
  "reconciliationUuid": "f5e5a195-394f-4e7c-8865-989fdce600b3"
},
"ok": true,
"status": {
  "description": {},
  "message": "string",
  "path": "string",
  "returnCode": "string",
  "serviceCode": "string",
  "time": "2019-05-15T06:34:06.874Z"
}
}
```

:

```
{
  "body": {},
  "ok": false,
  "status": {
    "description": {},
    "message": "",
    "returnCode": "200",
    "time": "2019-05-15T06:34:06.874Z"
  }
}
```

:

ok	String	true
reconciliationUuid	String	UUID

		2019-7-2	2019-7-2

- POST

Content-Type		string	application/json

URL:

post /tax/income/query-by-batch-number

:

batchNumber		String	

:

```
{
  "batchNumber": "841420044930908160"
}
```

:

:


```

{
  "body": [
    {
      "amountWithoutTax": 1412.1,
      "batchNumber": "841420044930908160",
      "decodeState": 4,
      "imagePath": "bb15da22-b890-4ceb-b830-d42c3676a855/lbjaUQqG.jpg",
      "invoiceCode": "1200191130",
      "invoiceDate": 1556035200000,
      "invoiceLoggingId": "841420070700711936",
      "invoiceNumber": "01850029",
      "invoiceParityCode": "405106",
      "loggedDate": 1561627788842
    }
  ],
  "ok": true,
  "status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
  }
}

```

:

:

invoiceLoggingId	String	id
batchNumber	String	
decodeState	Integer	2: 3: 4:
invoiceCode	String	
invoiceNumber	String	
invoiceDate	Date	,yyyyMMdd
amountWithoutTax	BigDecimal	

invoiceParityCode	String	
imagePath	String	
loggedDate	Date	

-ID

- ID

		2019-7-2	2019-7-2

- POST

Content-Type		string	application/json

URL:

post /tax/income/query-by-loggingid

:

invoiceLoggingId		String	id

:

```
{  
  "invoiceLoggingId": "841420070700711936"  
}
```

:

:

```

{
  "body": {
    "amountWithoutTax": 1412.1,
    "batchNumber": "841420044930908160",
    "decodeState": 4,
    "imagePath": "bb15da22-b890-4ceb-b830-d42c3676a855/lbjaUQqG.jpg",
    "invoiceCode": "1200191130",
    "invoiceDate": 1556035200000,
    "invoiceLoggingId": "841420070700711936",
    "invoiceNumber": "01850029",
    "invoiceParityCode": "405106",
    "loggedDate": 1561627788842
  },
  "ok": true,
  "status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
  }
}

```

:

:

invoiceLoggingId	String	id
batchNumber	String	
decodeState	Integer	2: 3: 4:
invoiceCode	String	
invoiceNumber	String	
invoiceDate	Date	,yyyyMMdd
amountWithoutTax	BigDecimal	
invoiceParityCode	String	

imagePath	String	
loggedDate	Date	

- ID

		2019-7-2	2019-7-2

- POST

Content-Type		string	application/json

URL:

post /tax/income/img-to-file

:

invoiceLoggingId		String	id

:

```
{
  "invoiceLoggingId": "841420070700711936"
}
```

:

:

```
-  
  
{  
  "body":null,  
  "ok": true,  
  "status": {  
    "returnCode": "200"  
  }  
}
```

:

```
{  
  "body":"","  
  "ok": false,  
  "status": {  
    "returnCode": "9999"  
  }  
}
```

:

ok	boolean	true

-UUID

- UUID

		2019-7-2	2019-7-2

- POST

Content-Type		string	application/json

URL:

post /tax/income/query-docuuid

:

invoiceCode		String	
invoiceNumber		String	

:

```
{
  "invoiceCode": "5000191130",
  "invoiceNumber": "01398332"
}
```


-UUID

:

:

```
{
  "body": "5b976aca-a6ac-40e7-b99e-8c29f36533b6",
  "ok": true,
  "status": {
    "returnCode": "200"
  }
}
```

:

```
{
  "body": null,
  "ok": true,
  "status": {
    "returnCode": "200"
  }
}
```

:

body	String	UUID

--

--

-

		2019-7-3	2019-7-3

- POST

Content-Type		string	application/json

URL:

post /tax/income/handle-file-addition

:

invoiceLoggingId		String	ID
templateCode		String	
additionalContent		String	json
collectId		String	ID, “-”
docUuid		String	UUID UUID
archiveNumber		String	barCode

:

```
{
  "fileCollectInvoiceDtoList": [
    {
      "additionalContent": "string",
      "collectId": "string",
      "docUuid": "string",
      "archiveNumber": "string"
    }
  ],
  "invoiceLoggingId": "831592386663546880",
  "templateCode": "jack"
}
```

additionalContent:

```
[
  {
    "connectHeader": [
      {
        "name": "",
        "type": "input",
        "value": "5000164130",
        "key": "invoiceCode"
      },
      {
        "name": "",
        "type": "input",
        "value": "06297849",
        "key": "invoiceNumber"
      }
    ],
    "templateName": "scm",
    "collectId": "5000164130-06297849",
    "documentUuid": "f52d988a-7a42-4eb8-bff7-762bb1ca27e2",
    "header": [
      {
        "name": "",
        "type": "input",
        "value": "34234",
        "key": "orderId"
      },
      {
        "name": "",
        "type": "input",
        "value": "234234",
        "key": "priceAmount"
      }
    ]
  }
]
```

```

],
"templateID": "123",
"list": [
  [
    {
      "name": "",
      "type": "input",
      "value": "4444",
      "key": "Price"
    },
    {
      "name": "",
      "type": "input",
      "value": "5555",
      "key": "PackQuantity"
    }
  ]
]
}
]

```

:
:

```

{
  "body": {
    "failMsg": [
      {
        "collectId": "ID",
        "submitFaileMsg": ""
      }
    ]
  },
  "ok": true,
  "status": {
    "returnCode": "200",
  }
}

```

:

```

{
  "body": null,
  "ok": false,
  "status": {

```

```
--
    "description": "",
    "returnCode": "9999"
  }
}
```

:

failMsg	List	
collectId	String	ID
submitFaileMsg	String	

		2022-4-8	2022-4-8

- POST

Content-Type		String	application/json

URL:

post /tax/output/requisition/save

:

companyDataResource			String	36	
callbackUrl	url		String	200	,
requisitionApplyNo			String	96	
requisitionApplicationSector			String	20	
requisitionApplicant			String	10	
requisitionApplyDate			String	14	yyyyMMddHHmmss

requisitionApplicationReason			String	200	
requisitionContractNo			String	100	
receiveRecipient			String	10	
receiveAddress			String	200	
receiveMsgPhone			String	12	
receiveMsgEmail			String	64	
autoIssue			String	1	0:1:
computeWithTax			integer	2	0,1
invoiceTypeCode			String	2	0104 10;08
buyerName			String	100	2
buyerTaxId			String	20	
buyerAddress			String	100	2
buyerBankAndId			String	100	2
note			String	212	2
sellerName			String	100	2
sellerTaxId			String	20	
sellerAddress			String	100	2
sellerBankAndId			String	100	2
totalAmountExcludeTax			BigDecimal	12/13	1213
totalTaxAmount			BigDecimal	12 13	2
totalAmountIncludeTax			BigDecimal	13 14	2
specialInvoiceMark			String	2	00:,08:
statementCode			String		
noticeCodeNo			String		

lines

lineNo			String	20	1n+1
itemName			String	92	2
unit			String	14	2
materialCode			String	20	
itemModelName			String	40	2
lineAttribute			String	2	;0:(),2:()
discount			BigDecimal	12	2
lineDiscountExcludeTax			BigDecimal	12	
taxDiscount	,		BigDecimal	12	2
taxAmount			BigDecimal	12	
taxRate			BigDecimal	4	2
quantity			BigDecimal	16	8
priceExcludeTax			BigDecimal	16	8()
priceIncludeTax			BigDecimal	16	8()
lineAmountExcludeTax			BigDecimal	12	2
lineAmountIncludeTax	()		BigDecimal	12	2
taxClassificationCode			String	19	
zeroTaxRateFlag			String	2	;1 ;2 ;3
favouredPolicyMark			String	2	0:1:
favouredPolicyName			String	500	2
orderNo			String	100	
orderLineId			String	20	
statementCode			String	100	

StatementLineId			String	20	
noticeCodeNo			String	100	
noticeLineId			String	20	

:

```
{
  "autoIssue": null,
  "buyerAddress": null,
  "buyerBankAndId": null,
  "buyerName": "",
  "buyerTaxId": null,
  "callbackUrl": null,
  "companyId": null,
  "computeWithTax": 0,
  "companyDataResource": "123123",
  "includeTaxRateMark": null,
  "inventoryMark": null,
  "invoiceTypeCode": "01",
  "lines": [
    {
      "deduction": 0,
      "discount": 0,
      "favouredPolicyMark": null,
      "favouredPolicyName": null,
      "itemModelName": null,
      "itemName": "",
      "lineAmountExcludeTax": 1,
      "lineAmountIncludeTax": 1,
      "lineAttribute": "0",
      "lineNo": null,
      "materialCode": null,
      "priceExcludeTax": 0,
      "priceIncludeTax": 0,
      "quantity": 0,
      "taxAmount": 0.01,
      "taxClassificationCode": null,
      "taxDiscount": 0,
      "taxRate": 0.01,
      "unit": null,
      "zeroTaxRateFlag": null,
      "orderNo": null,
      "orderLineId": null,
      "statementCode": null,
      "statementLineId": null,
    }
  ]
}
```

```

        "noticeCodeNo": null,
        "noticeLineId": null
    }
],
"note": null,
"receiveAddress": null,
"receiveMsgEmail": null,
"receiveMsgPhone": null,
"receiveRecipient": null,
"requisitionApplicant": null,
"requisitionApplicationReason": null,
"requisitionApplicationSector": null,
"requisitionApplyDate": 20210405121212,
"requisitionApplyNo": "12345678909876543007",
"requisitionApplyType": null,
"requisitionContractNo": null,
"requisitionFirstIssue": null,
"requisitionProject": null,
"sellerAddress": null,
"sellerBankAndId": null,
"sellerName": "86234",
"sellerTaxId": "9111018347685WG28A",
"specialInvoiceMark": "00",
"totalAmountExcludeTax": 1,
"totalAmountIncludeTax": 1,
"totalTaxAmount": 0.01,
"statementCode": null,
"noticeCodeNo": null
}

```

:

```

{
    "body": true,
    "ok": true,
    "requestNum": null,
    "status": {
        "description": null,
        "message": null,
        "path": null,
        "returnCode": "200",
        "serviceCode": null,
        "time": null
    }
}

```

-

:

ok			String		true

		2022-04-08	2022-04-08

- POST

Content-Type		String	application/json

URL:

post /tax/output/requisition/remove

:

companyDataResource			String	36	
requisitionApplyNo			String	96	

:

```
{
  "companyDataResource": "010-58681028",
  "requisitionApplyNo": "11050167360000000932"
}
```

:

```
{
  "body": "true",
  "ok": true,
  "requestNum": null,
  "status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
  }
}
```

:

ok			String		true

		2022-04-08	2022-04-08

- POST

Content-Type		String	application/json

URL:

post /tax/output/requisition/queryPage

:

companyDataResource			String	36	
requisitionStatus			String	2	00;01;02;03;()
requisitionApplyNo			String	96	
pageSize			String	20	15
pageNum			String	20	

:

```
{
```

```

    "pageNum": 1,
    "pageSize": 10,
    "requisitionApplyNo": ""
}

```

```

:

```

```

{
  "body": {
    "items": [
      {
        "autoIssue": "0",
        "backupFieldOne": null,
        "backupFieldThree": null,
        "backupFieldTwo": null,
        "buyerAddress": null,
        "buyerBankAndId": null,
        "buyerName": "",
        "buyerTaxId": null,
        "callbackUrl": null,
        "companyDataResource": null,
        "companyId": "62b03222-54ec-4c65-af5f-55049445fff1f",
        "computeWithTax": 0,
        "createTime": "2021-04-19T14:05:53",
        "docComplianceFail": null,
        "docComplianceStatus": null,
        "id": 12,
        "includeTaxRateMark": null,
        "inventoryMark": null,
        "invoiceTypeCode": "01",
        "isDelete": "0",
        "note": "string",
        "receiveAddress": null,
        "receiveMsgEmail": null,
        "receiveMsgPhone": null,
        "receiveRecipient": null,
        "requisitionApplicant": null,
        "requisitionApplicationReason": null,
        "requisitionApplicationSector": null,
        "requisitionApplyDate": null,
        "requisitionApplyNo": "daffwefsdcdf342543460",
        "requisitionApplyType": null,
        "requisitionContractNo": null,
        "requisitionFirstIssue": null,
        "requisitionProject": null,
        "requisitionStatus": null,
        "sellerAddress": "string",

```



```

        "sellerBankAndId": "string",
        "sellerName": "string",
        "sellerTaxId": "string",
        "specialInvoiceMark": null,
        "totalAmountExcludeTax": 0,
        "totalAmountIncludeTax": 0,
        "totalTaxAmount": 0,
        "updateTime": "2021-04-19T14:05:53"
    }
],
"pageMeta": {
    "pageNum": 1,
    "pageSize": 10,
    "pages": 1,
    "total": 2
}
},
"ok": true,
"requestNum": null,
"status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
}
}
}

```

:

ok			Boolean	4	true: false
status					
description					
message			String		
returnCode					
time					

items:

--	--	--	--	--	--

companyDataResource			String	36	
callbackUrl	url		String	200	,
requisitionApplyNo			String	96	
requisitionApplyType			String	10	
requisitionApplicationSector			String	20	
requisitionApplicant			String	10	
requisitionApplyDate			String	14	
requisitionApplicationReason			String	200	
requisitionContractNo			String	100	
requisitionFirstIssue			String	2	01:
requisitionProject			String	100	
receiveRecipient			String	10	
receiveAddress			String	200	
receiveMsgPhone			String	12	
receiveMsgEmail			String	64	
includeTaxRateMark			String	1	0;1;2
computeWithTax			integer	2	0,1
invoiceTypeCode			String	2	010410; 08
buyerName			String	100	2
buyerTaxId			String	20	
buyerAddress			String	100	2
buyerBankAndId			String	100	2
note			String	212	2
sellerName			String	100	2

sellerTaxId			String	20	
sellerAddress			String	100	2
sellerBankAndId			String	100	2
totalAmountExcludeTax			BigDecimal	12/13	21213
totalTaxAmount			BigDecimal	12/13	21213
totalAmountIncludeTax			BigDecimal	13/14	21314
specialInvoiceMark			String	4	00:,08:

		2022-4-8	2022-4-8

- POST

Content-Type		String	application/json

URL:

post /sco-invoice-legged-biz/tax/output/save

:

companyDataResource		String		36	
draftType		Integer		2	0 1()
requisitionApplyNo		String		96	
otherId		String		100	
callbackUrl	url	String		200	,
invoiceTypeCode		String		2	010410; 08

buyerName		String	100	2
buyerTaxId		String	20	
buyerAddress		String	100	2
buyerBankAndId		String	100	2
note		String	212	2
sellerName		String	100	2
sellerTaxId		String	20	
sellerAddress		String	100	2
sellerBankAndId		String	100	2
totalAmountExcludeTax		BigDecimal	12/13	2
totalTaxAmount		BigDecimal	12	2
totalAmountIncludeTax		BigDecimal	13/14	2
specialInvoiceMark		String	4	00: 08:
computeWithTax		Integer	2	:0,1()
receiveRecipient		String	10	
receiveAddress		String	200	
receiveMsgPhone		String	12	
receiveMsgEmail		String	64	
statementCode		String	100	
noticeCodeNo		String	100	
Lines		list		lines

Lines

id		String	20		
itemName		String	92	2	

unit		String		14	2
itemModelName		String		40	2
lineAttribute		String		2	0:(), 2:()
discount		BigDecimal		12	
lineDiscountExcludeTax		BigDecimal		12	
taxDiscount		BigDecimal		12	2()
priceExcludeTax		BigDecimal		16	8
priceIncludeTax		BigDecimal		16	8
quantity		BigDecimal		16	8()
lineAmountExcludeTax		BigDecimal		12	2
lineAmountIncludeTax		BigDecimal		12	2
taxAmount		BigDecimal		12	2
taxRate		BigDecimal		12	3
taxClassificationCode		String		19	
materialCode		String		20	
zeroTaxRateFlag		String		2	1 2 3
favouredPolicyMark		String		2	0:1:
favouredPolicyName		String		500	2
orderNo		String		100	
orderLineId		String		20	
statementCode		String		100	
StatementLineId		String		20	
noticeCodeNo		String		100	
noticeLineId		String		20	

:

```

{
  "requisitionApplyNo": "KPTZ202104130005",
  "buyerAddress": "***101620010-58688395",
  "buyerBankAndId": "***0200001919200131264",
  "buyerName": "***",
  "buyerTaxId": "91310000631757739B",
  "companyDataResource": "tb",
  "invoiceTypeCode": "01",
  "lines": [
    {
      "lineAttribute": "0",
      "itemName": "",
      "lineAmountExcludeTax": "4570.80",
      "lineAmountIncludeTax": "5165.00",
      "priceExcludeTax": "4570.80000000",
      "priceIncludeTax": "5165.00000000",
      "quantity": "1.00000000",
      "taxAmount": "594.20",
      "taxClassificationCode": "1090509010000000000",
      "taxRate": "0.13",
      "unit": "",
      "orderNo": null,
      "orderLineId": null,
      "statementCode": null,
      "statementLineId": null,
      "noticeCodeNo": null,
      "noticeLineId": null
    }
  ],
  "otherId": 28045669365055408,
  "sellerAddress": "***23-4 24081101",
  "sellerBankAndId": "***088-296504-011",
  "sellerName": "***",
  "sellerTaxId": "91310000631757739A",
  "specialInvoiceMark": "00",
  "totalAmountExcludeTax": "4570.80",
  "totalAmountIncludeTax": "5165.00",
  "totalTaxAmount": "594.20",
  "statementCode": null,
  "noticeCodeNo": null,
  "receiveMsgPhone": null,
  "receiveMsgEmail": null,
  "receiveRecipient": null,
  "receiveAddress": null,
  "callbackUrl": "http://172.21.16.149:8158/sco-finance-manage/output/test/testCallBack"
}

```

:

:

```
{
  "body":{
    "requisitionApplyNo":"AAA20210408000001",
    "otherId":"1",
    "invoiceUuid":"9676035b-60b9-4d2b-912e-c1d1793df28f",
    "docId":"ANI20210101010111"
  },
  "ok": true,
  "requestNum": null,
  "status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
  }
}
```

:

:

ok	Boolean		true		
status				status	
body				body	

status

description	String				
message	String				
returnCode					

time					
------	--	--	--	--	--

body

requisitionApplyNo	String				
otherId	String				
invoiceUuid	String		uuid		
docId	String				

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- POST

Content-Type		String	application/json

URL:

post /sco-invoice-legged-biz/tax/output/batch/save

:

companyDataResource		String		36	
draftType		Integer		2	0 1()
requisitionApplyNo		String		96	
otherId		String		100	
callbackUrl	url	String		200	,
invoiceTypeCode		String		2	010410; 08

buyerName		String	100	2
buyerTaxId		String	20	
buyerAddress		String	100	2
buyerBankAndId		String	100	2
note		String	212	2
sellerName		String	100	2
sellerTaxId		String	20	
sellerAddress		String	100	2
sellerBankAndId		String	100	2
totalAmountExcludeTax		BigDecimal	12/13	2
totalTaxAmount		BigDecimal	12	2
totalAmountIncludeTax		BigDecimal	13/14	2
specialInvoiceMark		String	4	00: 08:
computeWithTax		Integer	2	:0,1()
receiveRecipient		String	10	
receiveAddress		String	200	
receiveMsgPhone		String	12	
receiveMsgEmail		String	64	
statementCode		String	100	
noticeCodeNo		String	100	
Lines		list		lines

Lines

id		String	20		
itemName		String	92	2	

unit		String		14	2
itemModelName		String		40	2
lineAttribute		String		2	0:(), 2:()
discount		BigDecimal		12	
lineDiscountExcludeTax		BigDecimal		12	
taxDiscount		BigDecimal		12	2()
priceExcludeTax		BigDecimal		16	8
priceIncludeTax		BigDecimal		16	8
quantity		BigDecimal		16	8()
lineAmountExcludeTax		BigDecimal		12	2
lineAmountIncludeTax		BigDecimal		12	2
taxAmount		BigDecimal		12	2
taxRate		BigDecimal		12	3
taxClassificationCode		String		19	
materialCode		String		20	
zeroTaxRateFlag		String		2	1 2 3
favouredPolicyMark		String		2	0:1:
favouredPolicyName		String		500	2
orderNo		String		100	
orderLineId		String		20	
statementCode		String		100	
StatementLineId		String		20	
noticeCodeNo		String		100	
noticeLineId		String		20	

:

```
[{
  "requisitionApplyNo": "KPTZ202104130007",
  "buyerAddress": "***101620010-58688395",
  "buyerBankAndId": "***0200001919200131264",
  "buyerName": "***",
  "buyerTaxId": "91310000631757739A",
  "companyDataResource": "tb",
  "invoiceTypeCode": "01",
  "lines": [
    {
      "lineAttribute": "0",
      "itemName": "",
      "lineAmountExcludeTax": "4570.80",
      "lineAmountIncludeTax": "5165.00",
      "priceExcludeTax": "4570.80000000",
      "priceIncludeTax": "5165.00000000",
      "quantity": "1.00000000",
      "taxAmount": "594.20",
      "taxClassificationCode": "109050901000000000",
      "taxRate": "0.13",
      "unit": "",
      "orderNo": null,
      "orderLineId": null,
      "statementCode": null,
      "statementLineId": null,
      "noticeCodeNo": null,
      "noticeLineId": null
    }
  ],
  "otherId": 28045669365055400,
  "sellerAddress": "***153523-4 24081101",
  "sellerBankAndId": "****088-296504-011",
  "sellerName": "***",
  "sellerTaxId": "91310000631757739B",
  "specialInvoiceMark": "00",
  "totalAmountExcludeTax": "4570.80",
  "totalAmountIncludeTax": "5165.00",
  "totalTaxAmount": "594.20",
  "statementCode": null,
  "noticeCodeNo": null,
  "receiveMsgPhone": null,
  "receiveMsgEmail": null,
  "receiveRecipient": null,
  "receiveAddress": null,
  "callbackUrl": "http://172.21.16.149:8158/sco-finance-manage/output/test/testCallBack"
},
{
```

```

"requisitionApplyNo": "KPTZ202104130007",
"buyerAddress": "***101620010-58688395"
"buyerBankAndId": "***0200001919200131264"
"buyerName": "***"
"buyerTaxId": "91310000631757739A",
"companyDataResource": "tb",
"invoiceTypeCode": "01",
"lines": [
    {
        "lineAttribute": "0",
        "itemName": "",
        "lineAmountExcludeTax": "4570.80",
        "lineAmountIncludeTax": "5165.00",
        "priceExcludeTax": "4570.80000000",
        "priceIncludeTax": "5165.00000000",
        "quantity": "1.00000000",
        "taxAmount": "594.20",
        "taxClassificationCode": "1090509010000000000",
        "taxRate": "0.13",
        "unit": "",
        "orderNo": null,
        "orderLineId": null,
        "statementCode": null,
        "statementLineId": null,
        "noticeCodeNo": null,
        "noticeLineId": null
    }
],
"otherId": 28045669365055401,
"sellerAddress": "***153523-4 24081101"
"sellerBankAndId": "***088-296504-011"
"sellerName": "***"
"sellerTaxId": "91310000631757739B",
"specialInvoiceMark": "00",
"totalAmountExcludeTax": "4570.80",
"totalAmountIncludeTax": "5165.00",
"totalTaxAmount": "594.20",
"statementCode": null,
"noticeCodeNo": null,
"receiveMsgPhone": null,
"receiveMsgEmail": null,
"receiveRecipient": null,
"receiveAddress": null,
"callbackUrl": "http://172.21.16.149:8158/sco-finance-manage/output/test/testCallBack"
}, {
"requisitionApplyNo": "KPTZ202104130007",
"buyerAddress": "***101620010-58688395"

```

```

"buyerBankAndId": "***0200001919200131264"
,
"buyerName": "***"
,
"buyerTaxId": "91310000631757739E",
"companyDataResource": "tb",
"invoiceTypeCode": "01",
"lines": [
  {
    "lineAttribute": "0",
    "itemName": ""
    ,
    "lineAmountExcludeTax": "4570.80",
    "lineAmountIncludeTax": "5165.00",
    "priceExcludeTax": "4570.80000000",
    "priceIncludeTax": "5165.00000000",
    "quantity": "1.00000000",
    "taxAmount": "594.20",
    "taxClassificationCode": "1090509010000000000",
    "taxRate": "0.13",
    "unit": ""
    ,
    "orderNo": null,
    "orderLineId": null,
    "statementCode": null,
    "statementLineId": null,
    "noticeCodeNo": null,
    "noticeLineId": null
  }
],
"otherId": 28045669365055402,
"sellerAddress": "***153523-4 24081101"
,
"sellerBankAndId": "***088-296504-011"
,
"sellerName": "***"
,
"sellerTaxId": "91310000631757739B",
"specialInvoiceMark": "00",
"totalAmountExcludeTax": "4570.80",
"totalAmountIncludeTax": "5165.00",
"totalTaxAmount": "594.20",
"statementCode": null,
"noticeCodeNo": null,
"receiveMsgPhone": null,
"receiveMsgEmail": null,
"receiveRecipient": null,
"receiveAddress": null,
"callbackUrl": "http://172.21.16.149:8158/sco-finance-manage/ou
tp/test/testCallBack"
}]

```

:

:

```
{
  "body": [
    {
      "docId": "INV20210415000015",
      "invoiceUuid": "1dadddaf-990a-4c48-b036-467d8a99027b",
      "otherId": "28045669365055400",
      "requisitionApplyNo": "KPTZ202104130005"
    },
    {
      "docId": "INV20210415000016",
      "invoiceUuid": "e6d0005d-5bc7-4c91-9544-db3c71c9fe9b",
      "otherId": "28045669365055401",
      "requisitionApplyNo": "KPTZ202104130005"
    },
    {
      "docId": "INV20210415000017",
      "invoiceUuid": "06ec47ca-c55e-4cc6-813a-d251f69e181e",
      "otherId": "28045669365055402",
      "requisitionApplyNo": "KPTZ202104130005"
    }
  ],
  "ok": true,
  "requestNum": null,
  "status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
  }
}
```

:

:

ok	Boolean		true		
status				status	

body				body	
------	--	--	--	------	--

status

description	String				
message	String				
returnCode					
time					

body

requisitionApplyNo	String				
otherId	String				
invoiceUuid	String		uuid		
docId	String				

- callbackurl

		2022-4-8	2022-4-8

- POST

Content-Type		String	application/json

URL:

post callbackurl

:

operateType			Integer	2	0 2 4 5 6
requisitionApplyNo			String	96	
requisitionStatus			String	2	02;;03;;()04
otherId			String	100	otherId
docId			String	20	docId
invoiceUuid	UUID		String	36	invoiceUuid

companyDataResource			String	36	
buyerAddress			String	100	2
buyerBankAndId			String	100	2
buyerName			String	100	2
buyerTaxId			String	20	
sellerAddress			String	100	2
sellerBankAndId			String	100	2
sellerName			String	100	2
sellerTaxId			String	20	
docStatus			String	2	ISSUED-CANCELED-
invoiceTypeCode			String	2	010410; 08
invoiceCode			String	12	
invoiceNumber			String	8	
issueDate			String	20	
blueInvoiceCode			String	12	
blueInvoiceNo			String	8	
totalAmountExcludeTax			BigDecimal	12/13	2
totalTaxAmount			BigDecimal	12/13	2
totalAmountIncludeTax			BigDecimal	13/14	2
checkCode			String	128	
codeVersion			String	20	
computeWithTax			Integer	2	:0 1
drawer			String	20	2
payee			String	16	2
reviewer			String	16	2

note			String	212	2
specialInvoiceMark			String	2	00: 08:
receiveRecipient			String	10	
receiveAddress			String	200	
receiveMsgEmail			String	64	
receiveMsgPhone			String	12	
ofdUrl	Ofd		String		
statementCode			String	100	
noticeCodeNo			String	100	
lines			object[]		

lines

id			String	20	
requisitionLineNo			String	20	
lineAttribute			String	2	; 0:(),1 2:()
itemName			String	92	2
unit			String	14	2
itemModelName			String	40	2
quantity			BigDecimal	16	8
priceExcludeTax			BigDecimal	16	8
priceIncludeTax			BigDecimal	16	8
lineAmountExcludeTax			BigDecimal	12	2
lineAmountIncludeTax			BigDecimal	12	2
taxAmount			BigDecimal	12	2
taxRate			BigDecimal	12	2

discount			BigDecimal	12	2
lineDiscountExcludeTax			BigDecimal	12	2
taxDiscount			BigDecimal	12	2()
taxClassificationCode			String	20	
materialCode			String	20	
zeroTaxRateFlag			String	2	1 2 3
favouredPolicyMark			String	2	0:1:
favouredPolicyName			String	500	2
orderNo			String	100	
orderLineId			String	20	
statementCode			String	100	
StatementLineId			String	20	
noticeCodeNo			String	100	
noticeLineId			String	20	

:

```
{
  "blueInvoiceCode": "string",
  "blueInvoiceNo": "string",
  "buyerAddress": "string",
  "buyerBankAndId": "string",
  "buyerName": "string",
  "buyerTaxId": "string",
  "callbackUrl": "string",
  "checkCode": "string",
  "codeVersion": "string",
  "computeWithTax": 0,
  "companyDataResource": "string",
  "docId": "string",
  "drawer": "string",
  "invoiceCode": "string",
  "invoiceNumber": "string",
  "invoiceTypeCode": "string",
  "invoiceUuid": "string",
```

```

"issueDate": "",
"lines": [
  {
    "discount": 0,
    "lineDiscountExcludeTax": 0,
    "taxDiscount": 0,
    "favouredPolicyMark": "string",
    "favouredPolicyName": "string",
    "id": "string",
    "itemModelName": "string",
    "itemName": "string",
    "lineAmountExcludeTax": 0,
    "lineAmountIncludeTax": 0,
    "lineAttribute": "string",
    "priceExcludeTax": 0,
    "priceIncludeTax": 0,
    "quantity": 0,
    "taxAmount": 0,
    "taxClassificationCode": "string",
    "taxDiscount": 0,
    "taxRate": 0,
    "unit": "string",
    "zeroTaxRateFlag": "string",
    "orderNo": null,
    "orderLineId": null,
    "statementCode": null,
    "statementLineId": null,
    "noticeCodeNo": null,
    "noticeLineId": null,
    "lineNo": null
  }
],
"note": "string",
"ofdUrl": "string",
"operateType": 0,
"otherId": "string",
"payee": "string",
"receiveMsgEmail": "string",
"receiveMsgPhone": "string",
"requisitionApplyNo": "string",
"requisitionStatus": "string",
"reviewer": "string",
"sellerAddress": "string",
"sellerBankAndId": "string",
"sellerName": "string",
"sellerTaxId": "string",
"specialInvoiceMark": "string",
"totalAmountExcludeTax": 0,

```

```
-  
    "totalAmountIncludeTax": 0,  
    "totalTaxAmount": 0,  
    "statementCode": null,  
    "noticeCodeNo": null,  
    "receiveRecipient": null,  
    "receiveAddress": null  
}
```

		2022-4-8	2022-4-8

- POST

Content-Type		String	application/json

URL:

post /sco-invoice-legged-biz/tax/output/openapi/queryDoc

:

invoiceCode		String		12	
invoiceNumber		String		8	
requisitionApplyNo		String		96	
otherId		String		100	

:

```
{
```



```

"invoiceCode": "",
"invoiceNumber": "",
"otherId": "28045669365055401",
"requisitionApplyNo": ""
}

```

```

:
:

```

```

{
  "body": [
    {
      "additionalReferenceVos": null,
      "adverseDid": null,
      "blueInvoiceCode": null,
      "blueInvoiceNo": null,
      "buyerAddress": "xx101620010-58688395",
      "buyerBankAndId": "xxx0200001919200131264",
      "buyerCompanyId": null,
      "buyerName": "xx",
      "buyerPhone": null,
      "buyerTaxId": "915001006220997PX5",
      "calculateMoney": false,
      "callbackUrl": null,
      "checkCode": "",
      "codeVersion": null,
      "companyDataResource": "guoneng",
      "complianceFail": null,
      "complianceStatus": 0,
      "computeDiscountLine": null,
      "computeWithTax": 1,
      "contractDocumentReference": null,
      "cooperativeStatus": null,
      "creditNoteApplyNo": null,
      "dataSerialNo": null,
      "deliveryStatus": null,
      "departmentId": null,
      "despatchDocumentReference": null,
      "discount": null,
      "discountRate": null,
      "docComplianceFail": "",
      "docComplianceStatus": 1,
      "docId": null,
      "docStatus": "ISSUED",
      "documentTitle": null,
      "draftType": null,

```

```

"drawer": "" ,
"expressNumber": null,
"extData": {
  "ofdUrl": ""
},
"extractionCode": null,
"id": "INV20210422000027",
"imagePath": null,
"inventoryMark": null,
"invoiceCode": "5000181530",
"invoiceDate": 1619107200000,
"invoiceNumber": "10902882",
"invoiceStatus": null,
"invoiceTypeCode": "01",
"invoiceUuid": "7bf8ee0a-1bbb-430c-8778-1276bdba3b9f",
"issueDate": 1619107200000,
"lineCounter": 1,
"lines": [
  {
    "discount": null,
    "discountGroup": "0e3b8229-2388-4716-a823-90e193e35f35",
    "dispatchDocumentReference": null,
    "dispatchLineReference": null,
    "favouredPolicyMark": null,
    "favouredPolicyName": null,
    "id": "1",
    "itemModelName": null,
    "itemName": "***" ,
    "lineAmountExcludeTax": 4570.8,
    "lineAmountIncludeTax": 5165,
    "lineAttribute": "0",
    "lineDiscountExcludeTax": null,
    "lineDiscountRate": null,
    "lineId": "1335027811521396736",
    "lineOrder": 1,
    "materialCode": null,
    "noticeCodeNo": null,
    "noticeLineId": null,
    "orderLineId": null,
    "orderLineReference": null,
    "orderNo": null,
    "orderReference": null,
    "priceExcludeTax": 4570.8,
    "priceIncludeTax": 5165,
    "quantity": 1,
    "receiptDocumentReference": null,
    "receiptLineReference": null,
    "reconciliationDocumentReference": null,
  }
]

```

```

        "reconciliationSheetLineReference": null,
        "relationReferences": null,
        "requisitionLineNo": null,
        "specialManagement": null,
        "statementCode": null,
        "statementLineId": null,
        "taxAmount": 594.2,
        "taxClassificationCode": "1090509010000000000",
        "taxDiscount": null,
        "taxRate": 0.13,
        "unit": "" ,
        "zeroTaxRateFlag": null
    }
],
"localId": 5189,
"machineCode": null,
"mailingStatus": null,
"maximumAmountLimit": 100000,
"multiRate": "13",
"nationalDownloadUrl": null,
"note": null,
"noticeCodeNo": null,
"ofdUrl": "",
"onSplit": null,
"operatorName": null,
"orderReference": null,
"originatorDocumentReference": null,
"otherId": "28045669365055401",
"payee": "" ,
"receiptDocumentReference": null,
"receiveAddress": null,
"receiveMsgEmail": null,
"receiveMsgPhone": null,
"receiveRecipient": null,
"reconciliationSheetReference": null,
"relationReferences": null,
"remark": null,
"requestNo": null,
"requisitionApplyNo": "KPTZ20210422002",
"reviewer": "" ,
"secretZone": "",
"sellerAddress": "153523-4 24081101" ,
"sellerBankAndId": "088-296504-011" ,
"sellerCompanyId": "be17e0a0-3ebd-4e89-b7ff-d885a18a09e7",
"sellerName": "91110101201912260A",
"sellerPhone": null,
"sellerTaxId": "91110101201912260A",
"specialInvoiceMark": "00",

```

```
-
    "splitReference": null,
    "statementCode": null,
    "status": null,
    "taxRateMark": null,
    "taxStatus": null,
    "totalAmountExcludeTax": 4570.8,
    "totalAmountIncludeTax": 5165,
    "totalDiscount": null,
    "totalTaxAmount": 594.2,
    "upload": null,
    "userId": null,
    "warningFail": "",
    "warningStatus": 0,
    "zeroTaxType": null
  }
],
"ok": true,
"requestNum": null,
"status": {
  "description": null,
  "message": null,
  "path": null,
  "returnCode": "200",
  "serviceCode": null,
  "time": null
}
}
```

:

:

ok	Boolean		true		
body	Object[]				

body

operateType		Integer	2	0 2 4 5 6	
requisitionApplyNo		String	96		

requisitionStatus			String	2	02;;03;;()04
otherId			String	100	otherId
docId			String	20	docId
invoiceUuid	UUID		String	36	invoiceUuid
companyDataResource			String	36	
buyerAddress			String	100	2
buyerBankAndId			String	100	2
buyerName			String	100	2
buyerTaxId			String	20	
sellerAddress			String	100	2
sellerBankAndId			String	100	2
sellerName			String	100	2
sellerTaxId			String	20	
docStatus			String	2	ISSUED-CANCELED-
invoiceTypeCode			String	2	010410; 08
invoiceCode			String	12	
invoiceNumber			String	8	
issueDate			String	20	
blueInvoiceCode			String	12	
blueInvoiceNo			String	8	
totalAmountExcludeTax			BigDecimal	12/13	2
totalTaxAmount			BigDecimal	12/13	2
totalAmountIncludeTax			BigDecimal	13/14	2
checkCode			String	128	
codeVersion			String	20	

computeWithTax			Integer	2	:0 1
drawer			String	20	2
payee			String	16	2
reviewer			String	16	2
note			String	212	2
specialInvoiceMark			String	2	00: 08:
receiveRecipient			String	10	
receiveAddress			String	200	
receiveMsgEmail			String	64	
receiveMsgPhone			String	12	
ofdUrl	Ofd		String		
statementCode			String	100	
noticeCodeNo			String	100	
lines			object[]		

lines

id			String	20	
requisitionLineNo			String	20	
lineAttribute			String	2	; 0:(),1 2:()
itemName			String	92	2
unit			String	14	2
itemModelName			String	40	2
quantity			BigDecimal	16	8
priceExcludeTax			BigDecimal	16	8
priceIncludeTax			BigDecimal	16	8

lineAmountExcludeTax			BigDecimal	12	2
lineAmountIncludeTax			BigDecimal	12	2
taxAmount			BigDecimal	12	2
taxRate			BigDecimal	12	2
discount			BigDecimal	12	2
lineDiscountExcludeTax			BigDecimal	12	2
taxDiscount			BigDecimal	12	2()
taxClassificationCode			String	20	
materialCode			String	20	
zeroTaxRateFlag			String	2	1 2 3
favouredPolicyMark			String	2	0:1:
favouredPolicyName			String	500	2
orderNo			String	100	
orderLineId			String	20	
statementCode			String	100	
StatementLineId			String	20	
noticeCodeNo			String	100	
noticeLineId			String	20	

		2022-04-08	2022-04-08

- POST

Content-Type		String	application/json

URL:

/sco-invoice-legged-biz/tax/output/getMsgList

:

msgType			Integer	1	

:

```
{
  "msgType": 1
}
```

:

:


```

{
  "body": {
    "id": 1,
    "msgType": 0,
    "msgValue": "62b03222-54ec-4c65-af5f-55049445ff1f62b03222-54ec-4c6
5-af5f-55049445ff1f62b03222-54ec-4c65-af5f-55049445ff1f62b03222-54ec-4c6
5-af5f-55049445ff1f62b03222-54ec-4c65-af5f-55049445ff1f62b03222-54ec-4c6
5-af5f-55049445ff1f"
  },
  "ok": true,
  "status": {
    "description": {},
    "message": "string",
    "path": "string",
    "returnCode": "string",
    "serviceCode": "string",
    "time": "2020-10-09T08:31:42.437Z"
  }
}

```

:

:

ok	Boolean			4	true: false
body	Object				
id	Integer			20	
msgType	Integer			1	0 12
msgVaule	String				
status					
description					
message	String				
returnCode					
time					

		2022-04-08	2022-04-08

- POST

Content-Type		String	application/json

URL:

/sco-invoice-legged-biz/tax/output/consumeMsg

:

			Integer		

:

```
[1, 2, 3, 4]
```

:

:

```
{
```

```

"body":true",
"ok": true,
  "status": {
    "description": {},
    "message": "string",
    "path": "string",
    "returnCode": "string",
    "serviceCode": "string",
    "time": "2020-10-09T08:31:42.437Z"
  }
}

```

:

:

ok	Boolean			4	true: false
body	Boolean				
status					
description					
message	String				
returnCode					
time					

		2022-04-08	2022-04-08

- POST

Content-Type		String	application/json

URL:

/sco-invoice-legged-biz/tax/output/openapi/sellerInvoiceQueryPage

:

buyerName			string	255	
complianceStatus			Array[integer]	1	01234
cooperativeStatus	01 234		Array[string]	1	
createTime			string		UTC
createTimeEnd			string		UTC
createTimeStart			string		UTC
	(0 1				

	2)				
docId			string	100	
docStatus	DRAFT- ISSUED- CANCELED- SENT-		Array[string]	32	
draftType	:01()		integer	32	
expressNumber			string	30	
inventoryMark	0- 1-		string	1	
invoiceCode			string	12	
invoiceDateEnd	()		date		YYYY-mm-dd HH:mm:ss
invoiceDateStart	()		date		YYYY-mm-dd HH:mm:ss
invoiceDocUuidList			Array[string]		Uuid
invoiceNumber			string	8	
invoiceTypeCode			Array[string]		[“01”, “04”, “08”, “10”] “01” “08” “10”()
invoiceTypeSign	Y N		string	1	
mailingStatus	(0 1 2 3 4)		string		
orderMap	key value010 1		Map		
pageNum			integer		1
pageSize			integer	2	15
printStatus	(“0” “1”		integer	100	

printStatus	("0" "1"		integer	100	
requisitionApplyNo			string	10	
specialInvoiceMarkList	(08)		Array[string]	20,2	(00:,01:,02:,08:)
totalAmountExcludeTaxMax			BigDecimal	20,2	
totalAmountExcludeTaxMin			BigDecimal	20,2	
totalAmountIncludeTaxMax			BigDecimal	20,2	
totalAmountIncludeTaxMin			BigDecimal	1	
upload	0 1		integer	2000	
warningMsg			Array[string]	11	
warningStatus			Array[integer]		012

:

```
{
  "buyerName": "",
  "complianceStatus": [

  ],
  "cooperativeStatus": [

  ],
  "createTime": "",
  "createTimeEnd": "",
  "createTimeStart": "",
  "deliveryStatus": "",
  "docId": "",
  "docStatus": [

  ],
  "draftType": 0,
  "expressNumber": "",
  "inventoryMark": "",
  "invoiceCode": "",
  "invoiceDateEnd": "",
  "invoiceDateStart": "",
  "invoiceDocUuidList": [

  ],
}
```

```

"invoiceNumber": "",
"invoiceTypeCode": [

],
"invoiceTypeSign": "",
"mailingStatus": "",
"orderMap": {},
"pageNum": 1,
"pageSize": 15,
"printStatus": 0,
"requisitionApplyNo": "",
"specialInvoiceMarkList": [

],
"upload": 0,
"warningMsg": [

],
"warningStatus": [

]
}

```

:

:

```

{
  "body": {
    "brotherAndSelfTotal": 0,
    "docFlag": "0",
    "documentInfo": {},
    "documentTotal": 0,
    "list": {
      "items": [
        {
          "adverseDid": null,
          "buyerName": "XX",
          "buyerTaxId": "XX5001006220997PX5",
          "companyDataResource": null,
          "companyId": "62b03222-54ec-4c65-af5f-55049445ff1f",
          "companyName": "91110101201912260A",
          "complianceFail": null,
          "complianceStatus": 1,
          "cooperativeStatus": null,
          "createTime": "2021-03-31T17:23:28",
          "deliveryStatus": "0",

```



```

"docComplianceFail": "",
"docComplianceStatus": 1,
"docId": "INV20210331000010",
"docStatus": "ISSUED",
"draftType": 0,
"enteringType": 9,
"expressCompanyCode": null,
"expressNumber": null,
"extractionCode": "",
"id": 2208,
"imageOfdPath": null,
"imagePath": null,
"imagePdfPath": null,
"inventoryMark": "0",
"invoiceCode": "5000181530",
"invoiceDate": "2021-03-29T00:00:00",
"invoiceNumber": "10902413",
"invoiceParityCode": "",
"invoiceTypeCode": "01",
"invoiceUuid": "abc8605f-f5c8-4c3a-b5bd-f3e7203d0f94",
"lineCounter": 6,
"mailingStatus": "0",
"nationalDownloadUrl": null,
"noticeCodeNo": null,
"onSplit": 0,
"otherId": null,
"printStatus": null,
"receiveAddress": null,
"receiveMsgEmail": null,
"receiveMsgPhone": null,
"receiveRecipient": null,
"relationReconciliationList": null,
"relationRedStatus": 0,
"requisitionApplyNo": null,
"specialInvoiceMark": "00",
"statementCode": null,
"taxStatus": "0",
"tempInvoiceCode": null,
"tempInvoiceNumber": null,
"toPhoneNumber": null,
"totalAmountExcludeTax": "17669.55",
"totalAmountIncludeTax": "19206.99",
"upload": 0,
"warningFail": "",
"warningStatus": 1
}
],
"pageMeta": {

```

```
    "pageMeta": {
      "pageNum": 1,
      "pageSize": 15,
      "pages": 1,
      "total": 1
    }
  },
  "refDocInfo": null
},
"ok": true,
"requestNum": null,
"status": {
  "description": null,
  "message": null,
  "path": null,
  "returnCode": "200",
  "serviceCode": null,
  "time": null
}
}
```

:

:

ok	Boolean				4
status					
description					
message	String				
returnCode					
time					
body					body
list					
items					
requisitionApplyNo	String				

invoiceUuid	String		UUID		
otherId	String				
id	String				
companyDataResource	String				
buyerName	String				
buyerTaxId	String				
invoiceTypeCode	String			01 04 10; 08	
invoiceCode	String				
invoiceNumber	String				
docStatus	String				DRAFT- ISSUED- CANCELED- SENT-;
specialInvoiceMark	String				00: 08:
totalAmountExcludeTax	BigDecimal			12/13	2
totalAmountIncludeTax	BigDecimal			13/14	2
receiveRecipient	String			10	
receiveAddress	String			200	
receiveMsgEmail	String			11	
receiveMsgPhone	String				
statementCode	String			100	
noticeCodeNo	String			100	
adverseDid	String		did	100	
companyId	String		ID	36	
companyName	String			100	

complianceFail	String			2000	
complianceStatus	int		012	11	
cooperativeStatus	String		01 23 45'	2	
createTime	LocalDateTime				
deliveryStatus	String			2	("0" "1" "2")'
deviceNum	String			128	
docComplianceFail	String			2000	
docComplianceStatus	Int		012	11	
docId	String			100	
draftType	Int			2	0 1
enteringType	String		1: 2: 3: 4: 5:Excel 9: ,	11	
expressCompanyCode	String			50	
expressNumber	String			30	
extractionCode	String			100	
imageOfdPath	String		ofd	255	
imagePath	String			255	
imagePdfPath	String		pdf	255	
inventoryMark	String		0- 1-	1	
invoiceDate	datetime				
invoiceParityCode	String			128	
lineCounter	Int			10	
			("0"		

mailingStatus	String		"1" "2" "3" "4 ")	2	
nationalDownloadUrl	String			255	
onSplit	Int		: 01	2	
printStatus	tinyint		("0" "1")	2	
relationReconciliationList	String				
relationRedStatus	String		0 1	2	
taxStatus	Int		01 234	10	
templInvoiceCode	String			12	
templInvoiceNumber	String			8	
toPhoneNumber	String		4	11	
upload	Int		0 1	5	
warningFail	String			2000	
warningStatus	Int		012	11	
pageMeta					
	pageNum				
	pageSize				
	pages				
	total				

-

-

- ,

		2019-5-6	2019-5-6

- POST

Content-Type		String	application/json

URL:

post /tax/output/settle/thirdSettleImport

:

reference		String		
invoiceType		String		04:,01:
allTotalPrice		BigDecimal		
callBackUrl		String		
allTotalTax		BigDecimal		

totalTaxInclusiveAmount		BigDecimal		
buyerCompanyName		String		
buyerTaxpayer		String		
buyerAddressAndPhone		String		
buyerBankAndNo		String		
auditor		String		
payee		String		
remark		String		
settleDetails		list		

settleDetails

referenceLineId	ID	String		
productName		String		
supplierMaterialCode		String		
supplierSpecification		String		
quantity		BigDecimal		
unit		String		
priceAmount		BigDecimal		
totalPrice		BigDecimal		
taxRate		BigDecimal		
taxAmount		BigDecimal		
taxInclusiveAmount		BigDecimal		
discount		BigDecimal		,0
taxCode		String		

:

```
{
  "auditor": "",
  "buyerAddressAndPhone": "",
  "buyerBankAndNo": "",
  "buyerCompanyName": "",
  "buyerTaxpayer": "",
  "invoiceType": "",
  "payee": "",
  "allTotalPrice": 0,
  "allTotalTax": 0,
  "totalTaxInclusiveAmount": 0,
  "callBackUrl": "",
  "reference": "",
  "remark": "",
  "settleDetails": [
    {
      "productName": "",
      "referenceLineId": "",
      "supplierMaterialCode": "",
      "supplierSpecification": "",
      "taxCode": "",
      "unit": "",
      "quantity": 0,
      "priceAmount": 0,
      "totalPrice": 0,
      "taxRate": 0,
      "taxAmount": 0,
      "taxInclusiveAmount": 0,
      "discount": 0
    }
  ]
}
```

:

:

```
{
  "body": true,
  "ok": true,
  "status": {
    "message": "",
    "returnCode": "200"
  }
}
```


-

:

:

ok	String	true

-

-

- ,

		2019-5-6	2019-5-6

- POST

Content-Type		String	application/json

URL:

post /tax/output/invoice/thirdInvoiceImport

:

reference		String		100
autoBilling		boolean		false;;true:
callBackUrl		String		100
invoiceType		String		1
buyerCompanyName		String		100

buyerTaxpayer		String		15 or 17 or 18 or 20
buyerAddressAndPhone		String		100
buyerBankAndNo		String		100
invoiceList		List		

invoiceList

invoiceId	ID	String		100
allTotalPrice		BigDecimal		10,2
allTotalTax		BigDecimal		10,2
totalTaxInclusiveAmount		BigDecimal		10,2
auditor		String		8
payee		String		8
remark		String		100
settleDetails		List		

settleDetails

referenceLineId	ID	String		100
productName		String		50
supplierMaterialCode		String		50
quantity		BigDecimal		8,6
unit		String		7
priceAmount		BigDecimal		8,6
totalPrice		BigDecimal		10,2
taxRate		BigDecimal		

taxAmount		BigDecimal		10,2
taxInclusiveAmount		BigDecimal		10,2
discount		BigDecimal		10,2,,0
taxCode		String		19

:

```
{
  "reference": "",
  "autoBilling": true,
  "buyerAddressAndPhone": "",
  "buyerBankAndNo": "",
  "buyerCompanyName": "",
  "buyerTaxpayer": "",
  "invoiceType": "",
  "callbackUrl": "",
  "invoiceList": [
    {
      "invoiceId": "",
      "auditor": "",
      "payee": "",
      "allTotalPrice": 0,
      "allTotalTax": 0,
      "totalTaxInclusiveAmount": 0,
      "remark": "",
      "settleDetails": [
        {
          "productName": "",
          "referenceLineId": "",
          "supplierMaterialCode": "",
          "supplierSpecification": "",
          "taxCode": "",
          "unit": "",
          "quantity": 0,
          "priceAmount": 0,
          "totalPrice": 0,
          "taxRate": 0,
          "taxAmount": 0,
          "taxInclusiveAmount": 0,
          "discount": 0
        }
      ]
    }
  ]
}
```

```
}
```

```
:
```

```
:
```

```
{
  "body": {
    "reference": "ACC-12",
    "errorMsg": "",
    "failureList": []
  },
  "ok": true,
  "status": {
    "message": "",
    "path": "",
    "returnCode": "200",
    "serviceCode": ""
  }
}
```

```
:
```

```
{
  "body": {
    "reference": "ACC-12",
    "errorMsg": "",
    "failureList": [
      {
        "invoiceId": "123456",
        "errorMsg": "",
        "detailMsg": [
          {
            "referenceLineId": "32231313123",
            "errorMsg": ""
          }
        ]
      }
    ]
  },
  "ok": true,
  "status": {
    "message": "",
    "path": "",
    "returnCode": "200",
    "serviceCode": ""
  }
}
```

```
}  
}
```

:

ok	String	true
failureList	List	List

		2022-9-26	2022-9-26

- POST

Content-Type		String	application/json

URL:

post /sco-invoice-legged-biz/tax/output/openapi/serverIssue

:

companyDataResource		String		36	
requisitionApplyNo		String		96	
otherId		String		100	
invoiceTypeCode		String		2	010410; 08;
buyerName		String		100	2
buyerTaxId		String		20	

buyerAddress		String		100	2
buyerBankAndId		String		100	2
note		String		212	2
sellerName		String		100	2
sellerTaxId		String		20	
sellerAddress		String		100	2
sellerBankAndId		String		100	2
totalAmountExcludeTax		BigDecimal		13	2
totalTaxAmount		BigDecimal		12	2
totalAmountIncludeTax		BigDecimal		14	2
specialInvoiceMark		String		4	00: 08:
computeWithTax		Integer		2	:0,1()
receiveRecipient		String		10	
receiveAddress		String		200	
receiveMsgPhone		String		12	
receiveMsgEmail		String		64	
statementCode		String		100	
noticeCodeNo		String		100	
terminalCode		String		100	,
payee		String		8	
drawer		String		20	
reviewer		String		8	
blueInvoiceNo		String		8	,
blueInvoiceCode		String		12	,
Lines		list			lines

Lines

id		String		20	
itemName		String		92	2
unit		String		14	2
itemModelName		String		40	2
lineAttribute		String		2	0:(), 2:()
discount		BigDecimal		12	
lineDiscountExcludeTax		BigDecimal		12	
taxDiscount		BigDecimal		12	2()
priceExcludeTax		BigDecimal		16	8
priceIncludeTax		BigDecimal		16	8
quantity		BigDecimal		16	8()
lineAmountExcludeTax		BigDecimal		12	2
lineAmountIncludeTax		BigDecimal		12	2
taxAmount		BigDecimal		12	2
taxRate		BigDecimal		12	31%0.01
taxClassificationCode		String		19	
materialCode		String		20	
zeroTaxRateFlag		String		2	1 2 3
favouredPolicyMark		String		2	0:1:
favouredPolicyName		String		500	2,
orderNo		String		100	
orderLineId		String		20	
statementCode		String		100	

StatementLineId		String		20	
noticeCodeNo		String		100	
noticeLineId		String		20	

:

```
{
  "requisitionApplyNo": "KPTZ202104130005",
  "buyerAddress": "***101620010-58688395",
  "buyerBankAndId": "***0200001919200131264",
  "buyerName": "***",
  "buyerTaxId": "91310000631757739B",
  "companyDataResource": "tb",
  "invoiceTypeCode": "01",
  "lines": [
    {
      "lineAttribute": "0",
      "itemName": "",
      "lineAmountExcludeTax": "4570.80",
      "lineAmountIncludeTax": "5165.00",
      "priceExcludeTax": "4570.80000000",
      "priceIncludeTax": "5165.00000000",
      "quantity": "1.00000000",
      "taxAmount": "594.20",
      "taxClassificationCode": "10905090100000000000",
      "taxRate": "0.13",
      "unit": "",
      "orderNo": null,
      "orderLineId": null,
      "statementCode": null,
      "statementLineId": null,
      "noticeCodeNo": null,
      "noticeLineId": null
    }
  ],
  "otherId": 28045669365055408,
  "sellerAddress": "***23-4 24081101",
  "sellerBankAndId": "***088-296504-011",
  "sellerName": "***",
  "sellerTaxId": "91310000631757739A",
  "specialInvoiceMark": "00",
  "totalAmountExcludeTax": "4570.80",
  "totalAmountIncludeTax": "5165.00",
  "totalTaxAmount": "594.20",
  "statementCode": null,
}
```

```

        "noticeCodeNo": null,
        "receiveMsgPhone": null,
        "receiveMsgEmail": null,
        "receiveRecipient": null,
        "terminalCode": "921092123",
        "payee": null,
        "drawer": null,
        "reviewer": "" ,
        "blueInvoiceNo": null,
        "blueInvoiceCode": null
    }

```

:

:

```

{
    "body":{
        "requisitionApplyNo":"AAA20210408000001",
        "otherId":"1",
        "invoiceUuid":"9676035b-60b9-4d2b-912e-c1d1793df28f",
        "docId":"ANI20210101010111"
        "invoiceCode":"050002000205",
        "invoiceNumber" 12221761"
        "invoiceDate":"2022-09-21",
        "invoiceParityCode":"11884729515180314769",
        "amount"4570.80
    },
    "ok": true,
    "requestNum": null,
    "status": {
        "description": null,
        "message": null,
        "path": null,
        "returnCode": "200",
        "serviceCode": null,
        "time": null
    }
}

```

:

ok	Boolean		true		

status				status	
body				body	

status

description	String				
message	String				
returnCode					
time					

body

requisitionApplyNo	String				
otherId	String				
invoiceUuid	String		uuid		
docId	String				
amount	BigDecimal				
invoiceCode	String				
invoiceNumber	String				
invoiceDate	String				
invoiceParityCode	String				

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0.0.1		2019-05-09	2019-05-09

URL:

- /tax/expense/addDocument

- POST

Content-Type		string	application/json

:

documentCode		string	,id+
documentTime		Date	
amount		BigDecimal	122
callBackUrl		string	

+

imagePaths		List(string)	
------------	--	--------------	--

:

:

```
{
  "body": {
    "amount": 100,
    "createTime": 1557391411000,
    "createUser": "e27a42fd-c51d-47eb-a372-8621d35de2c4",
    "documentCode": "kx1_20190509001",
    "documentTime": 1557391382000,
    "id": 1,
    "invoiceLoggingTime": null,
    "invoiceLoggingUser": null,
    "submitState": 1,
    "validateMsg": null,
    "validateState": 0
  },
  "ok": true,
  "status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
  }
}
```

:

```
{
  "body": null,
  "ok": false,
  "status": {
    "description": null,
    "message": ":sxx_001 ",
    "returnCode": "99999",
    "time": 1557394070220
  }
}
```

:

+

ok	Boolean	true false
body	Object	ok=true
status.returnCode	String	200
status.message	String	

:

•

-

-

-

-

-

-

-

		2019-05-22	2019-05-22

URL:

- /co/message/notify/post

- POST

:

```
{
  "appKey": "Kingxunlian.Message",
  "fromCompanyId": "41daec4c-baa2-451f-b756-e26067b8657c",
  "fromUserId": "c0170c28-fb76-47d7-bf45-6c3edee46390",
  "messageAbstract": "",
  "messageText": "",
  "messageTitle": "",
  "targetList": [
    "c0170c28-fb76-47d7-bf45-6c3edee46390"
  ],
  "targetType": 0
}
```

appKey		String	appkey
fromCompanyId		String	id
fromUserId		String	id
messageAbstract		String	(500)

messageText		String	(50)
messageTitle		String	(200)
targetList		List	id
targetType		Integer	,1-,2-

:

:

```
{
  "body": {
    "messageId": "6e3c93e4-ad0e-4bd8-9b3c-bbe8dd4978f2",
    "success": true
  },
  "ok": true,
  "status": {
    "returnCode": "200"
  }
}
```

:

```
{
  "body": null,
  "ok": false,
  "status": {
    "description": "",
    "message": null,
    "path": null,
    "returnCode": "9999",
    "serviceCode": null,
    "time": null
  }
}
```

:

messageld	String	id
success	boolean	

APP

- app

		2019-05-22	2019-05-22

URL:

- /co/message/notify/app-list

- GET

:

:

:

```
{
  "body": [
    {
      "appKey": "Kingxunlian.NetworkMgmt",
      "appLogo": "Kingxunlian.NetworkMgmt1532010976002",
      "appName": "",
      "lastMessageTime": 1558568948000,
      "lastMessageTitle": "",
      "unreadCount": 0
    },
    {
      "appKey": "Kingxunlian.Document",
      "appLogo": "Kingxunlian.Document1531907109565",
      "appName": "",
      "lastMessageTime": 1558571162000,
      "lastMessageTitle": "20190523",
    },
  ]
}
```

```
        "unreadCount": 4
    }
],
"ok": true,
"status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
}
}
```

:

```
{
    "body": null,
    "ok": false,
    "status": {
        "description": "",
        "message": null,
        "path": null,
        "returnCode": "9999",
        "serviceCode": null,
        "time": null
    }
}
```

:

appKey	String	appkey
appName	Long	app
appLogo	String	applogo
unreadCount	Integer	
lastMessageTitle	String	
lastMessageTime	Date	

app

- app

		2019-05-22	2019-05-22

URL:

- /co/message/notify/app-message-list

- GET

:

appKey		String	appkey
pageSize		Integer	
pageNum		Integer	

:

:

```
{
  "body": {
    "items": [
      {
        "companyLogoUrl": null,
        "companyName": "",
        "createTime": 1558571162000,
        "messageAbstract": "helen-API-Sup1558571103877",
        "messageId": "e84d8961-992b-4372-8f6c-1227eed4796b",
        "messageTitle": "20190523",

```

```

    "readState": 0
  },
  {
    "companyLogoUrl": null,
    "companyName": "",
    "createTime": 1558571129000,
    "messageAbstract": "helen20190523122528AB1-5",
    "messageId": "76369b40-6771-4d7c-a359-08c368bbcd52",
    "messageTitle": "20190523",
    "readState": 0
  },
  {
    "companyLogoUrl": null,
    "companyName": "",
    "createTime": 1558571127000,
    "messageAbstract": "helen_Despatch_20190523080527AB_847",
    "messageId": "ac82833a-4e8d-483a-9332-c8144437f167",
    "messageTitle": "20190523",
    "readState": 0
  },
  {
    "companyLogoUrl": null,
    "companyName": "",
    "createTime": 1558571106000,
    "messageAbstract": "helen_Despatch_20190523080505AB_868",
    "messageId": "fc5f58b5-3ce5-4299-9ff3-c0ed73d83b5a",
    "messageTitle": "20190523",
    "readState": 0
  },
  {
    "companyLogoUrl": null,
    "companyName": "",
    "createTime": 1558484762000,
    "messageAbstract": "helen-API-Sup1558484703871",
    "messageId": "5cc6f733-d1dc-4fc7-8d59-0fd040beb041",
    "messageTitle": "20190522",
    "readState": 1
  },
  {
    "companyLogoUrl": null,
    "companyName": "",
    "createTime": 1558484729000,
    "messageAbstract": "helen20190522122528AB1-5",
    "messageId": "4b4acffc-690b-412f-a31c-cc4630e7f768",
    "messageTitle": "20190522",
    "readState": 1
  },
  {

```

```

        "companyLogoUrl": null,
        "companyName": "",
        "createTime": 1558484727000,
        "messageAbstract": "helen_Despatch_20190522080526AB_846",
        "messageId": "9388d655-2641-432b-bc1f-81716e939509",
        "messageTitle": "20190522",
        "readState": 1
    },
    {
        "companyLogoUrl": null,
        "companyName": "",
        "createTime": 1558484706000,
        "messageAbstract": "**helen_Despatch_20190522080505AB_822",
        "messageId": "223ea2af-85d8-4b8d-b5b1-9eebe9bc59",
        "messageTitle": "**20190522",
        "readState": 1
    },
    {
        "companyLogoUrl": null,
        "companyName": "**aa",
        "createTime": 1558421533000,
        "messageAbstract": "wuyuwei hailan-05211452",
        "messageId": "ac9cb4e2-419f-4c55-badf-c53fda99463c",
        "messageTitle": "**20190521",
        "readState": 1
    },
    {
        "companyLogoUrl": null,
        "companyName": "**",
        "createTime": 1558398363000,
        "messageAbstract": "**helen-API-Sup1558398303860",
        "messageId": "88de427e-3e02-4ad1-957c-2d7b19c4e317",
        "messageTitle": "**20190521",
        "readState": 1
    }
],
"pageMeta": {
    "pageNum": 1,
    "pageSize": 10,
    "pages": 541,
    "total": 5403
}
},
"ok": true,
"status": {
    "description": null,
    "message": null,
    "path": null,

```

app

```
"returnCode": "200",  
"serviceCode": null,  
"time": null  
}  
}
```

:

:

messageId	String	id
companyName	Long	
companyLogoUrl	String	logo
messageTitle	String	
messageAbstract	String	
readState	Integer	-1- 1- 0-
createTime	Date	

-

		2019-05-22	2019-05-22

URL:

- /co/message/notify/message-detail

- GET

:

messageld		String	id

:

:

```
{
  "body": {
    "companyLogoUrl": null,
    "companyName": "",
    "createTime": 1558571106000,
    "messageAbstract": "helen_Despatch_20190523080505AB_868",
    "messageId": "fc5f58b5-3ce5-4299-9ff3-c0ed73d83b5a",
    "messageText": "
helen_Despatch_20190523080505AB_868",
    "messageTitle": "20190523",
    "messageType": 2,
    "readState": null
  },
}
```

```

"ok": true,
"status": {
  "description": null,
  "message": null,
  "path": null,
  "returnCode": "200",
  "serviceCode": null,
  "time": null
}
}

```

:

```

{
  "body": null,
  "ok": false,
  "status": {
    "description": "app",
    "message": null,
    "path": null,
    "returnCode": "9999",
    "serviceCode": null,
    "time": null
  }
}

```

:

messageId	String	id
companyName	Long	
companyLogoUrl	String	logo
messageTitle	String	
messageAbstract	String	
readState	Integer	-1- 1- 0-
createTime	Date	
messageText	String	
messageType	Integer	

-

		2019-05-22	2019-05-22

URL:

- /co/message/notify/message-read

- GET

:

messageld		String	id

:

:

```
{
  "body": true,
  "ok": true,
  "status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
  }
}
```

:



:

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-

		2019-05-22	2019-05-22

URL:

- /co/message/notify/read-all
- GET

:

--	--	--	--

:

:

```
{
  "body": true,
  "ok": true,
  "status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
  }
}
```

:

APP

- app

		2019-05-22	2019-05-22

URL:

- /co/message/notify/app-read-all

- GET

:

appKey		String	appkey

:

:

```
{
  "body": true,
  "ok": true,
  "status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
  }
}
```


:

:

--	--	--

-

		2019-05-22	2019-05-22

URL:

- /co/message/notify/unread-count
- GET

:

--	--	--	--

:

:

```
{
  "body": 212,
  "ok": true,
  "status": {
    "description": null,
    "message": null,
    "path": null,
    "returnCode": "200",
    "serviceCode": null,
    "time": null
  }
}
```

:

--



▪

--	--	--

WebHook

WebHook

APIAPI“”API

WebHookAPI“”“”

WebHook

WebHook

- -
 -
 -
 -
 -
 -
 - - OCR
 -
-

“Callback”

应用详情

应用详情

消息设置

设置Webhook

* Webhook URL1:

+ -

callback URL

Content type: application/json

* Secret:

生成密钥

签名的token

选择事件

* 资源类型: 财税—OCR ×

* 事件类型: 财税—OCR

☒ OCR已识别

监听的事件类型

修改

删除

Callback

Callback

WebHook

- 1.
2.
 -
 -

HTTP/HTTPS

Key		
Content-Type		application/json
Authorization		
nonce		
appKey	app Key	
timeStamp		

Key		
id	ID	
originalId	ID	
ttl		+1
hookId	app-webHookID	
timeStamp	WebHook	
appld	appld	
eventCode		
payloadUrl	URL	
eventBody		json

WebHook

1

a.

Key		
token	AppWebHook	

b.

requesturlmethodheaderbody

Key		
appKey	header.appKey	
body	body	String
method	method	POST
nonce	header.nonce	
timeStamp	header.timeStamp	

url	url	
-----	-----	--

c.

Key		
authorization	header.authorization	

2

a. toSign

KeytoSign

headerURLbody

```
public static String generateToSign(String appKey,
                                    String body,
                                    String method,
                                    String nonce,
                                    Long timeStamp,
                                    String url) {
    StringBuilder sb = new StringBuilder();
    sb.append(encodeUrlUTF8(appKey))
      .append(encodeUrlUTF8(body))
      .append(encodeUrlUTF8(method))
      .append(encodeUrlUTF8(nonce))
      .append(encodeUrlUTF8(String.valueOf(timeStamp)))
      .append(encodeUrlUTF8(url));
    return sb.toString();
}
```

b. secret

token URLsecret

```
String secret = encodeUrlUTF8(token);
```

c. signature

1. HmacSHA256
2. Base64
3. URL

```
String CHARSET_NAME = "UTF-8";  
String MAC_NAME = "HmacSHA256";  
Mac mac = Mac.getInstance(MAC_NAME);  
Key key = new SecretKeySpec(secret.getBytes(CHARSET_NAME), MAC_NAME);  
mac.init(key);  
byte[] signData = mac.doFinal(toSign.getBytes(CHARSET_NAME));  
return encodeUrlUTF8(Base64.encodeBase64String(signData));
```

d.

authorization = "XLCB " + signature
"XLCB "

OCR

OCR

1.0		2019.7.12	

OCR

tax-ocr-recognized

```
{
  "amountWithoutTax": 1412.1,
  "batchNumber": "841420044930908160",
  "decodeState": 4,
  "imagePath": "bb15da22-b890-4ceb-b830-d42c3676a855/lbjaUQqG.jpg",
  "invoiceCode": "1200191130",
  "invoiceDate": 1556035200000,
  "invoiceLoggingId": "841420070700711936",
  "invoiceNumber": "01850029",
  "invoiceParityCode": "405106",
  "loggedDate": 1561627788842
}
```

:

invoiceLoggingId	String	id
batchNumber	String	
decodeState	Integer	2: 3: 4:

invoiceCode	String	
invoiceNumber	String	
invoiceDate	Date	.yyyyMMdd
amountWithoutTax	BigDecimal	
invoiceParityCode	String	
imagePath	String	
loggedDate	Date	

1.0		2019.7.15	

tax-scanner-scanned

```
{
  "batchCount": 10,
  "batchNumber": "841420044930908160"
}
```

:

batchCount	Integer	
batchNumber	String	

