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灵云图像云 API 开发文档

灵云科技 源自清华 服务全球

北京捷通华声科技股份有限公司

Beijing SinoVoice Technology Co., Ltd.

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1. 概述

灵云图像云HTTP接口，客户通过HTTP接口使用POST方式与灵云图像云平台进行通讯，返回数据为JSON格式。

2. HTTP 头

客户端POST请求时HTTP头信息，必须带上如下：

顺序	名称	值（例子）	含义	备注
1	x-app-key	ac5d5431	应用标识	必选，由捷通公司提供
2	x-sdk-version	5.2	sdk 版本号	必选，使用 http 接口时，可以指定为 5.2
3	x-request-date	2017-01-01 10:10:11	请求时间	必选，作为公钥使用
4	x-task-config	capkey=ocr.cloud.englis h,lang=English	任务参数信息	为 name=value 形式，多个参数以逗号 隔开 不同接口，task-config 不相同，详细参 数说明参看以下各个接口说明
5	x-session-key	18EA9384AA34	请求数据签名	必选 x-session-key 生成算法说明： x-session-key =md5（x-request-date + devkey）

注：头的内容必须为英文。

devkey是应用开发者密钥，在注册图像云用户时由图像云网站统一分配，用作请求数据签名；

3. Body 数据

Body 内完整存放图片的文件流

4. 身份识别

身份识别(个人信息面和签发机关面)

名称	类型	候选值		说明
capkey	字符串	ocr.cloud.template	必选	必须是 ocr.cloud.template

property	字符串	idcard	必选	识别领域
templateIndex	整数	参看下表	必选	模板索引号
templatePageIndex	整数	参看下表	必选	模板页索引号

当 property 为 idcard 的时候

property	templateIndex	templatePageIndex	说明
idcard	0	0	身份证模板，个人信息面
	0	1	身份证模板，签发机关面

请求示例代码

```
file_path = "身份证图片路径+文件名"
with open(file_path, "rb") as f:
    body = f.read()
    current_datetime = str(datetime.datetime.now())
    dev_key = "替换成开发者 devKey"
    headers = {
        "x-app-key": "替换成开发者 appKey",
        "x-request-date": current_datetime,
        "x-session-key": hashlib.md5(current_datetime +
dev_key).hexdigest(),
        # 身份证个人信息
        # "x-task-config":
"capkey=ocr.cloud.template,property=idcard,templateIndex=0,templatePa
geIndex=0",
        # 身份证签发机关
        "x-task-config":
"capkey=ocr.cloud.template,property=idcard,templateIndex=0,templatePa
geIndex=1",
        "x-sdk-version": "5.2"
    }
    httpClient = httplib.HTTPConnection("ServiceURL:port")
    httpClient.request("POST", "/ocr", body, headers)
    response = httpClient.getresponse()
```

身份证个人信息面请求 header:

```
{
    "x-sdk-version": "5.2",
    "x-session-key": "",
    "x-app-key": "",
```

```
"x-task-config": "capkey=ocr.cloud.template,property=idcard,
templateIndex=0,templatePageIndex=0",
"x-request-date": "2017-01-19 23:19:41.990000"
}
```

身份证个人信息面正常返回结果:

```
{
  "text": "请求成功",
  "data": {
    "forms": {
      "form": {
        "id": "0",
        "name": "二代身份证",
        "ver": "2016-12-21",
        "page": {
          "id": "0",
          "name": "个人信息页",
          "cell": [
            {
              "id": "0",
              "name": "身份证号码",
              "result": {
                "result": "200825199103112345",
                "left": "367",
                "top": "564",
                "right": "891",
                "bottom": "601"
              }
            },
            {
              "id": "1",
              "name": "民族",
              "result": {
                "result": "蒙古",
                "left": "407",
                "top": "182",
                "right": "475",

```

```
        "bottom": "214"
      }
    },
    {
      "id": "2",
      "name": "姓名",
      "result": {
        "result": "陈丹阳",
        "left": "210",
        "top": "85",
        "right": "336",
        "bottom": "127"
      }
    },
    {
      "id": "3",
      "name": "性别",
      "result": {
        "result": "女",
        "left": "207",
        "top": "179",
        "right": "238",
        "bottom": "213"
      }
    },
    {
      "id": "4",
      "name": "出生日期",
      "cell": [
        {
          "id": "40",
          "name": "年",
          "result": {
            "result": "1991",
            "left": "209",
            "top": "265",
            "right": "280",
```

```
        "bottom": "293"
      }
    },
    {
      "id": "41",
      "name": "月",
      "result": {
        "result": "03",
        "left": "365",
        "top": "265",
        "right": "382",
        "bottom": "293"
      }
    },
    {
      "id": "42",
      "name": "日",
      "result": {
        "result": "16",
        "left": "451",
        "top": "265",
        "right": "485",
        "bottom": "292"
      }
    }
  ],
  "result": {
    "result": "19910316",
    "left": "0",
    "top": "0",
    "right": "0",
    "bottom": "0"
  }
},
{
  "id": "5",
  "name": "地址",
```

```
        "result": {
            "result": "某某省某某市某某县*****
*****",
            "left": "207",
            "top": "406",
            "right": "525",
            "bottom": "442"
        },
        {
            "id": "6",
            "name": "头像",
            "result": {
                "result": " ",
                "left": "629",
                "top": "97",
                "right": "965",
                "bottom": "522"
            }
        }
    ],
    "error": 0
}
```

身份证签发机关面请求 header:

```
{
    "x-sdk-version": "5.2",
    "x-session-key": "",
    "x-app-key": "",
    "x-task-config": "capkey=ocr.cloud.template,property=idcard,
templateIndex=0,templatePageIndex=1",
}
```



```
"x-request-date": "2017-01-19 23:18:25.375000"
}
```

身份证签发机关面正常返回结果:

```
{
  "text": "请求成功",
  "data": {
    "forms": {
      "form": {
        "id": "1",
        "name": "二代身份证",
        "ver": "2016-12-21",
        "page": {
          "id": "1",
          "name": "签发机关页",
          "cell": [
            {
              "id": "0",
              "name": "有效期限",
              "result": {
                "result": "20080820-20180820",
                "left": "425",
                "top": "573",
                "right": "825",
                "bottom": "600"
              }
            },
            {
              "id": "1",
              "name": "签发机关",
              "result": {
                "result": "**县公安局",
                "left": "425",
                "top": "484",
                "right": "646",
                "bottom": "519"
              }
            }
          ]
        }
      }
    }
  }
}
```

```

    },
    "error": 0
  ]
}

```

错误返回参看统一错误返回码

5. 行驶证识别

名称	类型	候选值		说明
capkey	字符串	ocr.cloud.template	必选	必须是 ocr.cloud.template
property	字符串	vlcard	必选	识别领域
templateIndex	整数	0	必选	模板索引号
templatePageIndex	整数	0	必选	模板页索引号

请求示例代码

```
file_path = "行驶证图片路径+文件名"
with open(file_path, "rb") as f:
    body = f.read() # body 内存放所有的文件流
    current_datetime = str(datetime.datetime.now())
    dev_key = "替换成开发者 devKey"
    headers = {
        "x-app-key": "替换成开发者 appKey",
        "x-request-date": current_datetime,
        "x-session-key": hashlib.md5(current_datetime +
dev_key).hexdigest(),
        "x-task-config":
"capkey=ocr.cloud.template,property=vlcard,templateIndex=0,templatePa
geIndex=0",
        "x-sdk-version": "5.2"
    }
    httpClient = httplib.HTTPConnection("ServeiceURL:port")
    httpClient.request("POST", "/ocr", body, headers)
    response = httpClient.getresponse()
```

请求 header:

```
{
  "x-sdk-version": "5.2",
  "x-session-key": "",
  "x-app-key": "",
  "x-task-config": "capkey=ocr.cloud.template,property=vlcard,
templateIndex=0,templatePageIndex=0",
  "x-request-date": "2017-01-19 23:15:42.683000"
}
```

正常返回结果:

```
{
  "text": "请求成功",
  "data": {
    "forms": {
      "form": {
        "id": "0",
        "name": "机动车行驶证",
        "ver": "2013-10-18",
        "page": {
          "id": "0",
          "name": "机动车行驶证",
          "cell": [
            {
              "id": "20",
              "name": "号牌号码",
              "result": {
                "result": "UE*****"
              }
            },
            {
              "id": "21",
              "name": "车辆识别代号",
              "result": {
                "result": "L S V A A*****"
              }
            }
          ]
        }
      }
    }
  }
}
```

```
    },
    {
      "id": "22",
      "name": "发动机号码",
      "result": {
        "result": "*****"
      }
    },
    {
      "id": "23",
      "name": "注册日期",
      "result": {
        "result": " 2 "
      }
    },
    {
      "id": "24",
      "name": "发证日期",
      "result": {
        "result": " 2 "
      }
    }
  ],
  "error": 0
}
```

错误返回参看统一错误返回码

6. 驾驶证识别

名称	类型	候选值		说明
capkey	字符串	ocr.cloud.template	必选	必须是 ocr.cloud.template
property	字符串	dlcard	必选	识别领域

templateIndex	整数	0	必选	模板索引号
templatePageIndex	整数	0	必选	模板页索引号

请求示例代码

```
file_path = "驾驶证图片路径+文件名"
with open(file_path, "rb") as f:
    body = f.read() # body 内存放所有的文件流
    current_datetime = str(datetime.datetime.now())
    dev_key = "替换成开发者 devKey"
    headers = {
        "x-app-key": "替换成开发者 appKey",
        "x-request-date": current_datetime,
        "x-session-key": hashlib.md5(current_datetime +
dev_key).hexdigest(),
        "x-task-config":
"capkey=ocr.cloud.template,property=dlcard,templateIndex=0,templatePa
geIndex=0",
        "x-sdk-version": "5.2"
    }
    httpClient = httplib.HTTPConnection("ServiceURL:port")
    httpClient.request("POST", "/ocr", body, headers)
    response = httpClient.getresponse()
```

请求 header:

```
{
    "x-sdk-version": "5.2",
    "x-session-key": "",
    "x-app-key": "",
    "x-task-config": "capkey=ocr.cloud.template,property=dlcard,
templateIndex=0,templatePageIndex=0",
    "x-request-date": "2017-01-19 23:14:37.564000"
}
```

正常返回结果:

```
{
    "text": "请求成功",
    "data": {
        "forms": {
            "form": {
```

```
"id": "0",
"name": "驾驶证",
"ver": "2013-10-18",
"page": {
  "id": "0",
  "name": "驾驶证",
  "cell": [
    {
      "id": "0",
      "name": "姓名",
      "result": {
        "result": "***"
      }
    },
    {
      "id": "1",
      "name": "性别",
      "result": {
        "result": "男"
      }
    },
    {
      "id": "2",
      "name": "***",
      "result": {
        "result": "中"
      }
    },
    {
      "id": "7",
      "name": "地址",
      "result": {
        "result": "****"
      }
    },
    {
      "id": "8",
```

```
        "name": "身份证号码",
        "result": {
            "result": "*****"
        }
    },
    {
        "id": "9",
        "name": "准驾车型",
        "result": {
            "result": "C1"
        }
    },
    {
        "id": "11",
        "name": "有效起始日期",
        "result": {
            "result": "20121115"
        }
    },
    {
        "id": "12",
        "name": "有效期限",
        "result": {
            "result": "1"
        }
    }
]
},
"error": 0
}
```

错误返回参看统一错误返回码

7. 票据识别

名称	类型	候选值		说明
----	----	-----	--	----

capkey	字符串	ocr.cloud.template	必选	必须是 ocr.cloud.template
property	字符串	vat	必选	识别领域
templateIndex	整数	0	必选	模板索引号
templatePageIndex	整数	0	必选	模板页索引号

请求示例代码

```
file_path = "增值税发票图片路径+文件名"
with open(file_path, "rb") as f:
    body = f.read() # body 内存放所有的文件流
    current_datetime = str(datetime.datetime.now())
    dev_key = "替换成开发者 devKey"
    headers = {
        "x-app-key": "替换成开发者 appKey",
        "x-request-date": current_datetime,
        "x-session-key": hashlib.md5(current_datetime +
dev_key).hexdigest(),
        "x-task-config":
"capkey=ocr.cloud.template,property=vat,templateIndex=0,templatePageI
ndex=0",
        "x-sdk-version": "5.2"
    }
    httpClient = httplib.HTTPConnection("ServiceURL:port")
    httpClient.request("POST", "/ocr", body, headers)
    response = httpClient.getresponse()
```

请求 header:

```
{
    "x-sdk-version": "5.2",
    "x-session-key": "",
    "x-app-key": "",
    "x-task-config": "capkey=ocr.cloud.template,property=vat,te
mplateIndex=0,templatePageIndex=0",
    "x-request-date": "2017-01-19 23:16:59.229000"
}
```

正常返回结果:

```
{
    "text": "请求成功",
    "data": {
        "forms": {
```



```
"form": {
  "id": "0",
  "name": "增值税发票",
  "ver": "2015-03-07",
  "page": {
    "id": "0",
    "name": "增值税发票内容",
    "cell": [
      {
        "id": "0",
        "name": "序号",
        "result": {
          "result": "*"
        }
      },
      {
        "id": "1",
        "name": "编号",
        "result": {
          "result": "*"
        }
      },
      {
        "id": "2",
        "name": "日期",
        "result": {
          "result": "2013 年 07 月 03 日"
        }
      },
      {
        "id": "3",
        "name": "密码区",
        "result": {
          "result": "*"
        }
      }
    ]
  }
}
```

```
        "id": "4",
        "name": "税率",
        "result": {
            "result": "17%"
        }
    },
    {
        "id": "5",
        "name": "金额",
        "result": {
            "result": "¥67628.00"
        }
    },
    {
        "id": "6",
        "name": "税额",
        "result": {
            "result": "¥11496.76"
        }
    },
    {
        "id": "7",
        "name": "总额",
        "result": {
            "result": "¥79124.76"
        }
    },
    {
        "id": "8",
        "name": "购货单位名称",
        "result": {
            "result": "*"
        }
    },
    {
        "id": "9",
        "name": "购货单位纳税人识别号",
```

```
        "result": {
            "result": "*"
        }
    },
    {
        "id": "10",
        "name": "购货单位开户行及帐号",
        "result": {
            "result": "*"
        }
    },
    {
        "id": "11",
        "name": "销货单位名称",
        "result": {
            "result": "*"
        }
    },
    {
        "id": "12",
        "name": "销货单位纳税人识别号",
        "result": {
            "result": "*"
        }
    },
    {
        "id": "13",
        "name": "销货单位开户行及帐号",
        "result": {
            "result": "*"
        }
    }
}
]
```

```
"error": 0  
}
```

错误返回参看统一错误返回码

8. 文本识别

中文文本识别

名称	类型	候选值		说明
capkey	字符串	ocr.cloud	必选	必须是 ocr.cloud
lang	字符串	chinese_cn	必选	识别领域
withPosition	数字	0(默认)/1	可选	是否输出坐标信息结构体, 参数传入且不为 0 则附带输出结构体信息和结构体长度

英文文本识别:

名称	类型	候选值		说明
capkey	字符串	ocr.cloud.english	必选	必须是 ocr.cloud. english
lang	字符串	english	必选	识别领域 english
withPosition	数字	0(默认)/1	可选	是否输出坐标信息结构体, 参数传入且不为 0 则附带输出结构体信息和结构体长度

请求示例代码

```
file_path = "文本图片路径+文件名"  
with open(file_path, "rb") as f:  
    body = f.read() # body 内存放所有的文件流  
    current_datetime = str(datetime.datetime.now())  
    dev_key = "替换成开发者 devKey"  
    headers = {  
        "x-app-key": "替换成开发者 appKey",  
        "x-request-date": current_datetime,  
        "x-session-key": hashlib.md5(current_datetime +  
dev_key).hexdigest(),  
        # 中文文本识别  
        "x-task-config": "capkey=ocr.cloud,lang=chinese_cn",  
    }
```

```
# "x-task-config": "capkey=ocr.cloud, lang=chinese_cn,
withPosition=1",
# 英文文本识别
# "x-task-config": "capkey=ocr.cloud.english, lang=english",
"x-sdk-version": "5.2"
}
httpClient = httpLib.HTTPConnection("ServiceURL:port")
httpClient.request("POST", "/ocr", body, headers)
response = httpClient.getResponse()
```

请求 header:

```
{
  "x-sdk-version": "5.2",
  "x-session-key": "",
  "x-app-key": "",
  "x-task-config": "capkey=ocr.cloud.english, lang=english",
  "x-request-date": "2017-01-21 16:51:09.506000"
}
```

正常返回结果:

```
{
  "text": "请求成功",
  "data": {
    "forms": {
      "form": "北京捷通华声图像云技冠中华"
    }
  },
  "error": 0
}
```

带坐标结构体信息解析说明:

如果文本识别需要坐标输出, 请在入参的 task_config 中加入 withPosition=1, 同时返回的结果结构也会有相应的改变:

1. 返回的 Response 是 Json 与二进制结构体拼接而成的数据;
2. 返回的 Response 的 header 中多增加了一个 json-length 参数, 标识 json 字符串的长度。
3. 获取二进制结构体需要以二进制方式截取返回的结果长度。

带坐标节点信息结构体说明:

注意: 结构体8字节对齐

```
typedef unsigned char   IREAD_BYTE;           ///< 单字节无符号整型
typedef unsigned short  IREAD_WORD;           ///< 双字节无符号整型
typedef unsigned int    IREAD_UINT;          ///< 无符号整型
typedef int             IREAD_INT;            ///< 整型
typedef int             IREAD_BOOL;           ///< BOOL
typedef long            IREAD_LONG;           ///< 整型

/// @brief 节点结构体.
/// @details 图文对照的每个节点信息.
/// @note
typedef struct IREAD_NODE_T
{
    /// 节点类型(@ref 文档结果定义"IREAD_NODE_xxx")
    IREAD_WORD    wType;

    union
    {
        IREAD_PAGENODE  nodePage;           ///< 页节点
        IREAD_REGIONNODE nodeRegion;         ///< 区域节点
        IREAD_TABLECELLNODE  nodeTableCell;  ///< 表格单元节点
        IREAD_LINENODE  nodeLine;            ///< 线节点
        IREAD_CHARNODE  nodeChar;           ///< 字符节点
    };
}
IREAD_NODE;
```

其中 wType 可能值:

```
// -----
/// @addtogroup 文档结果定义
/// @{
#define IREAD_NODE_PAGE      0    ///< 页节点
#define IREAD_NODE_REGION   1    ///< 区域节点
#define IREAD_NODE_TABLECELL 2    ///< 表格单元节点
#define IREAD_NODE_LINE     3    ///< 线节点
```

```
#define IREAD_NODE_CHAR      4    ///< 字符节点
#define CANDIDATE_NUM        5    ///< 结果候选个数
```

各种子结构体/节点说明如下，

```
/// @brief 矩形区域.
/// @details 矩形区域.
/// @note 单位：像素
typedef struct IREAD_RECT_T
{
    IREAD_INT nLeft;    ///< 左上角的横坐标
    IREAD_INT nTop;     ///< 左上角的纵坐标
    IREAD_INT nRight;   ///< 右下角的横坐标，此值应不小于左上角的横坐标
    IREAD_INT nBottom;  ///< 右下角的纵坐标，此值应不小于左上角的纵坐标
}
IREAD_RECT;

/// @brief 页节点结构体.
/// @details 页节点结构体.
/// @note
typedef struct IREAD_PAGENODE_T
{
    IREAD_INT nWidth;    ///< 页面宽度
    IREAD_INT nHeight;   ///< 页面高度
    IREAD_INT nSkewAngle; ///< 如果进行了自动倾斜校正，检测到的倾斜角度。单位：/100度，
                        逆时针方向为正
}
IREAD_PAGENODE;

/// @brief 区域节点结构体.
/// @details 区域节点结构体.
typedef struct IREAD_REGIONNODE_T
{
    IREAD_RECT rcBound; ///< 区域相对于整个图像的位置，像素单位
    IREAD_WORD wRegionType; ///< 区域的文本类型 (@ref 区域文本类型“IREAD_RGNTYPE_xxx”)
    IREAD_WORD wRecogLang;  ///< 区域的识别语言 (@ref 识别语言“IREAD_LANGUAGE_xxx”)
}
```

```
IREAD_REGIONNODE;

/// @brief 表格单元节点结构体.
/// @details 表格单元节点结构体.
/// @note
typedef struct IREAD_TABLECELLNODE_T
{
    IREAD_RECT    rcBound; ///< 表格单元的区域位置
}
IREAD_TABLECELLNODE;

/// @brief 线节点结构体.
/// @details 线节点结构体.
/// @note
typedef struct IREAD_LINENODE_T
{
    IREAD_WORD    nBaseLine; ///< 此行的基线。横排版中为上边线，竖排版中为左边线
    IREAD_WORD    nLineSize;      ///< 行高或行宽
    IREAD_WORD    nAverageCharWidth; ///< 平均字符宽度
    IREAD_WORD    nAverageCharHeight; ///< 平均字符高度
}
IREAD_LINENODE;

/// @brief 字符节点结构体.
/// @details 字符节点结构体.
/// @note
typedef struct IREAD_CHARNODE_T
{
    IREAD_WORD    wCode;      ///< 识别结果，Unicode(包括SPACE，不包括LINEBREAK)
    IREAD_WORD    nSpaceBefore; ///< 此字符前面的空格字符数
    IREAD_RECT    rcBlock;     ///< 图像中此字符的区域

    IREAD_BOOL    bSuspect;    ///< 是否不可信
    IREAD_WORD    wAttribute[2]; ///< 暂未用

    /// 候选字符，wCandidate[0] 一般情况下和wCode一样，如果不一样，wCode被后处理
    /// 模块更改；如果候选字数目不足#CANDIDATE_NUM， 剩余的元素均为x0000
```



```
    IREAD_WORD    wCandidate[CANDIDATE_NUM];  
  
    /// 距离值，取值范围[0 - 255], 0表示最可信。(0xFF)表示无效，即对应位置的wCandidate值为x00  
  
    IREAD_BYTE    nDistance[CANDIDATE_NUM];  
  
    IREAD_BYTE    nReserved; ///< 保留  
}  
IREAD_CHARNODE;
```

错误返回参看统一错误返回码

9. 银行卡识别

名称	类型	候选值		说明
capkey	字符串	ocr.cloud.bankcard	必选	必须是 ocr.cloud. bankcard

请求示例代码

```
file_path = "银行卡图片路径+文件名"  
with open(file_path, "rb") as f:  
    body = bytearray(f.read()) # body 内存放所有的文件流  
    current_datetime = str(datetime.datetime.now())  
    dev_key = "替换成开发者 devKey"  
    headers = {  
        "x-app-key": "替换成开发者 appKey",  
        "x-request-date": current_datetime,  
        "x-session-key": hashlib.md5(current_datetime +  
dev_key).hexdigest(),  
        "x-task-config": "capkey=ocr.cloud.bankcard",  
        "x-sdk-version": "5.2"  
    }  
    httpClient = httplib.HTTPConnection("ServiceURL:port")  
    httpClient.request("POST", "/ocr", body, headers)  
    response = httpClient.getresponse()
```

请求 header:

```
{  
    "x-sdk-version": "5.2",
```

```
"x-session-key": "",
"x-app-key": "",
"x-task-config": "capkey=ocr.cloud.bankcard",
"x-request-date": "2017-01-19 23:13:43.724000"
}
```

正常返回结果:

```
{
  "error": 0,
  "text": "请求成功",
  "data": {
    "forms": {
      "form": {
        "CardNumber": "5184763207804055",
        "CardNumberPos": {
          "Number": [
            {
              "num": "5",
              "left": "156",
              "top": "446",
              "right": "199",
              "bottom": "507"
            },
            {
              "num": "1",
              "left": "201",
              "top": "448",
              "right": "244",
              "bottom": "509"
            },
            {
              "num": "8",
              "left": "255",
              "top": "446",
              "right": "298",
              "bottom": "507"
            }
          ]
        }
      }
    }
  }
}
```

```
{
  "num": "4",
  "left": "300",
  "top": "448",
  "right": "343",
  "bottom": "508"
},
{
  "num": "7",
  "left": "401",
  "top": "446",
  "right": "444",
  "bottom": "507"
},
{
  "num": "6",
  "left": "450",
  "top": "448",
  "right": "493",
  "bottom": "508"
},
{
  "num": "3",
  "left": "495",
  "top": "450",
  "right": "538",
  "bottom": "511"
},
{
  "num": "2",
  "left": "548",
  "top": "448",
  "right": "591",
  "bottom": "509"
},
{
  "num": "0",
```

```
        "left": "648",
        "top": "450",
        "right": "691",
        "bottom": "510"
    },
    {
        "num": "7",
        "left": "700",
        "top": "450",
        "right": "743",
        "bottom": "510"
    },
    {
        "num": "8",
        "left": "750",
        "top": "450",
        "right": "793",
        "bottom": "510"
    },
    {
        "num": "0",
        "left": "796",
        "top": "448",
        "right": "839",
        "bottom": "509"
    },
    {
        "num": "4",
        "left": "901",
        "top": "450",
        "right": "944",
        "bottom": "511"
    },
    {
        "num": "0",
        "left": "955",
        "top": "450",
```

```
        "right": "998",
        "bottom": "510"
      },
      {
        "num": "5",
        "left": "1001",
        "top": "448",
        "right": "1044",
        "bottom": "509"
      },
      {
        "num": "5",
        "left": "1056",
        "top": "448",
        "right": "1099",
        "bottom": "509"
      }
    ]
  },
  "BankName": "中国银行",
  "BankID": "1040000",
  "CardName": "长城万事达信用卡",
  "CardType": "准贷记卡",
  "UserName": "CHEN GUO",
  "ValidDate": ""
}
```

错误返回参看统一错误返回码

10.名片识别

名称	类型	候选值		说明
capkey	字符串	ocr.cloud. bizcard	必选	必须是 ocr.cloud. bizcard
exportImage	字符串	no (默认)/yes	可选	是否导出图片, 导出的图片会在 json 中

				增加 image 键, 以 base64 格式存储
cutedge	字符串	yes (默认)/ no	可选	是否需要裁边, yes 表示需要裁边, 对于拍照照片等原始图像为未裁边图片适用. no 表示不需要裁边
outimagetype	字符串	bmp(默认)/png/jpg	可选	输出图片格式
need_score	字符串	no(默认)/yes	可选	是否输出置信度

请求示例代码

```
file_path = "名片图片路径+文件名"
with open(file_path, "rb") as f:
    body = f.read() # body 内存放所有的文件流
    current_datetime = str(datetime.datetime.now())
    dev_key = "替换成开发者 devKey"
    headers = {
        "x-app-key": "替换成开发者 appKey",
        "x-request-date": current_datetime,
        "x-session-key": hashlib.md5(current_datetime +
dev_key).hexdigest(),
        "x-task-config":
"capkey=ocr.cloud.bizcard,need_score=yes,cutedge=yes,exportImage=yes,
outimagetype=jpg",
        "x-sdk-version": "5.2"
    }
    httpClient = httpplib.HTTPConnection("ServiceURL:port")
    httpClient.request("POST", "/ocr", body, headers)
    response = httpClient.getresponse()
```

请求 header:

```
{
    "x-sdk-version": "5.2 ",
    "x-session-key": "",
    "x-app-key": "",
    "x-task-config": "capkey=ocr.cloud.bizcard,need_score=yes,c
utedge=yes,exportImage=yes,outimagetype=jpg",
    "x-request-date": "2017-01-19 23:12:13.273000"
}
```

正常返回结果:

```
{
    "error": 0,
```

```
"text": "请求成功",
"data": {
  "bizcard": {
    "cell": [
      {
        "id": "0",
        "item": "department",
        "name": "部门",
        "result": {
          "text": "厂汇发展战略部"
        },
        "confidence": {
          "value": "45"
        },
        "bound": {
          "left": "802",
          "top": "123",
          "right": "1032",
          "bottom": "167"
        }
      },
      {
        "id": "1",
        "item": "name",
        "name": "姓名",
        "result": {
          "text": "王某某"
        },
        "confidence": {
          "value": "65"
        },
        "bound": {
          "left": "649",
          "top": "126",
          "right": "827",
          "bottom": "194"
        }
      },
      {
        "id": "2",
        "item": "title",
        "name": "公司职务",
        "result": {
```

```
        "text": "高级经理"
    },
    "confidence": {
        "value": "49"
    },
    "bound": {
        "left": "804",
        "top": "153",
        "right": "1113",
        "bottom": "203"
    }
},
{
    "id": "3",
    "item": "adr",
    "name": "地址",
    "result": {
        "text": "北京市朝阳区北辰西路 x 号北辰世纪中心 A 座 6 层"
    },
    "confidence": {
        "value": "78"
    },
    "bound": {
        "left": "648",
        "top": "279",
        "right": "1098",
        "bottom": "313"
    }
},
{
    "id": "4",
    "item": "postalcode",
    "name": "邮政编码",
    "result": {
        "text": "100101"
    },
    "confidence": {
        "value": "60"
    },
    "bound": {
        "left": "647",
        "top": "360",
        "right": "839",
```



```
        "bottom": "402"
      }
    },
    {
      "id": "5",
      "item": "tel",
      "name": "电话",
      "result": {
        "text": "010-12345678"
      },
      "confidence": {
        "value": "45"
      },
      "bound": {
        "left": "649",
        "top": "407",
        "right": "951",
        "bottom": "442"
      }
    },
    {
      "id": "6",
      "item": "memo",
      "name": "备注",
      "result": {
        "text": "网购上京东省钱又放心"
      },
      "confidence": {
        "value": "87"
      },
      "bound": {
        "left": "86",
        "top": "443",
        "right": "543",
        "bottom": "497"
      }
    },
    {
      "id": "7",
      "item": "fax",
      "name": "传真",
      "result": {
        "text": "010-12345678"
```

```
    },
    "confidence": {
      "value": "72"
    },
    "bound": {
      "left": "647",
      "top": "451",
      "right": "951",
      "bottom": "486"
    }
  },
  {
    "id": "8",
    "item": "tel_cell",
    "name": "手机",
    "result": {
      "text": "13800000000"
    },
    "confidence": {
      "value": "49"
    },
    "bound": {
      "left": "647",
      "top": "494",
      "right": "930",
      "bottom": "529"
    }
  },
  {
    "id": "9",
    "item": "email",
    "name": "电子邮件",
    "result": {
      "text": "support@xxxx.com"
    },
    "confidence": {
      "value": "48"
    },
    "bound": {
      "left": "626",
      "top": "537",
      "right": "1058",
      "bottom": "577"
```

```
    }
  },
  {
    "id": "10",
    "item": "url",
    "name": "网址",
    "result": {
      "text": "www.abc.com"
    },
    "confidence": {
      "value": "45"
    },
    "bound": {
      "left": "645",
      "top": "577",
      "right": "989",
      "bottom": "623"
    }
  }
]
}
},
"image": "+E0ayeJod+fv8H05ooqMU2sNN+TKpNutZ9z//2Q=="
}
```

错误返回参看统一错误返回码

11. 营业执照识别

名称	类型	候选值		说明
capkey	字符串	ocr.cloud.template	必选	必须是 ocr.cloud.template
property	字符串	bl	必选	识别领域
templateIndex	整数	0	必选	模板索引号
templatePageIndex	整数	0	必选	模板页索引号

请求示例代码

```
file_path = "营业执照图片路径+文件名"
with open(file_path, "rb") as f:
    body = f.read() # body 内存放所有的文件流
current_datetime = str(datetime.datetime.now())
```

```
dev_key = "替换成开发者 devKey"
headers = {
    "x-app-key": "替换成开发者 appKey",
    "x-request-date": current_datetime,
    "x-session-key": hashlib.md5(current_datetime +
dev_key).hexdigest(),
    "x-task-config":
"capkey=ocr.cloud.template,property=bl,templateIndex=0,templatePageIndex=0",
    "x-sdk-version": "5.2"
}
httpClient = httplib.HTTPConnection("ServiceURL:port")
httpClient.request("POST", "/ocr", body, headers)
response = httpClient.getresponse()
```

请求 header:

```
{
    "x-sdk-version": "5.2",
    "x-session-key": "",
    "x-app-key": "",
    "x-task-config": "capkey=ocr.cloud.template,property=bl,templateIndex=0,templatePageIndex=0",
    "x-request-date": "2017-01-19 23:16:59.229000"
}
```

正常返回结果:

```
{
    "error": 0,
    "text": "请求成功",
    "data": {
        "forms": {
            "form": {
                "id": "0",
                "name": "营业执照",
                "ver": "2017-02-21",
                "page": {
                    "id": "0",
                    "name": "营业执照",
                    "cell": [
```

```
{
  "id": "0",
  "name": "保留"
},
{
  "id": "1",
  "name": "号码",
  "result": {
    "result": "12345678\\12345678",
    "left": "419",
    "top": "421",
    "right": "711",
    "bottom": "449",
    "confidence": "65280"
  }
},
{
  "id": "2",
  "name": "名称"
},
{
  "id": "3",
  "name": "类型"
},
{
  "id": "4",
  "name": "住所"
},
{
  "id": "5",
  "name": "姓名",
  "result": {
    "result": "王**",
    "left": "206",
    "top": "647",
    "right": "445",
    "bottom": "678",
```

```
        "confidence": "65280"
    },
    {
        "id": "6",
        "name": "注册资本",
        "result": {
            "result": "壹佰万元整",
            "left": "203",
            "top": "692",
            "right": "486",
            "bottom": "727",
            "confidence": "65280"
        }
    },
    {
        "id": "7",
        "name": "成立日期",
        "result": {
            "result": "2015 年 12 月 25 日",
            "left": "201",
            "top": "738",
            "right": "569",
            "bottom": "777",
            "confidence": "65280"
        }
    },
    {
        "id": "8",
        "name": "营业期限",
        "result": {
            "result": "2015 年 12 月 25 日至年",
            "left": "202",
            "top": "784",
            "right": "675",
            "bottom": "828",
            "confidence": "65280"
        }
    }
}
```

```
    }
  },
  {
    "id": "9",
    "name": "经营范围",
    "result": {
      "result": "*****",
      "left": "203",
      "top": "832",
      "right": "811",
      "bottom": "899",
      "confidence": "65280"
    }
  }
]
```

错误返回参看统一错误返回码

12. 旅行证件识别 (已废弃)

名称	类型	候选值		说明
capkey	字符串	ocr.cloud.template	必选	必须是 ocr.cloud.template
property	字符串	pid	必选	识别领域
templateIndex	整数	0	必选	模板索引号
templatePageIndex	整数	0	必选	模板页索引号

请求示例代码

```
file_path = "旅行证件图片路径+文件名"
with open(file_path, "rb") as f:
    body = f.read() # body 内存放所有的文件流
    current_datetime = str(datetime.datetime.now())
    dev_key = "替换成开发者 devKey"
    headers = {
```

```
        "x-app-key" : "替换成开发者 appKey",
        "x-request-date" : current_datetime,
        "x-session-key" : hashlib.md5(current_datetime +
dev_key).hexdigest(),
        "x-task-config" :
        "capkey=ocr.cloud.template,property=pid,templateIndex=0,templatePage
Index=0",
        "x-sdk-version" : "5.2"
    }
    httpClient = httplib.HTTPConnection( "ServiceURL:port" )
    httpClient.request( "POST", "/ocr", body, headers)
    response = httpClient.getresponse()
```

请求 header:

```
{
    "x-sdk-version": "5.2",
    "x-session-key": "",
    "x-app-key": "",
    "x-task-config": "capkey=ocr.cloud.template,property=pid,te
mplateIndex=0,templatePageIndex=0",
    "x-request-date": "2017-01-19 23:16:59.229000"
}
```

正常返回结果:

```
{
    "error": 0,
    "text": "请求成功",
    "data": {
        "forms": {
            "form": {
                "id": "3",
                "name": "双程证正面",
                "ver": "2016-02-23",
                "page": {
                    "id": "0",
                    "name": "双程证正面",
                    "cell": [
                        {
                            "id": "0",
```



```
08038<6",
    "name": "MRZ",
    "result": {
      "result": "CSC000000004<2404015<81
      "left": "82",
      "top": "853",
      "right": "1459",
      "bottom": "921",
      "confidence": "59904"
    }
  },
  {
    "id": "1",
    "name": "证件号码",
    "result": {
      "result": "C000000000",
      "left": "174",
      "top": "855",
      "right": "569",
      "bottom": "912",
      "confidence": "13653"
    }
  },
  {
    "id": "2",
    "name": "姓名",
    "result": {
      "result": "证件样本",
      "left": "529",
      "top": "245",
      "right": "1152",
      "bottom": "372",
      "confidence": "65280"
    }
  },
  {
    "id": "3",
```

```
    "name": "Name",
    "result": {
      "result": "ZHENGJIAN,YANGBEN",
      "left": "531",
      "top": "342",
      "right": "1148",
      "bottom": "389",
      "confidence": "65280"
    }
  },
  {
    "id": "4",
    "name": "出生日期",
    "result": {
      "result": "1981.08.03",
      "left": "529",
      "top": "490",
      "right": "818",
      "bottom": "535",
      "confidence": "65280"
    }
  },
  {
    "id": "5",
    "name": "性别",
    "result": {
      "result": "女",
      "left": "957",
      "top": "493",
      "right": "1008",
      "bottom": "545",
      "confidence": "27472"
    }
  },
  {
    "id": "6",
    "name": "有效期限",
```

```
        "result": {
            "result": "2014.04.02-2024.04.01",

            "left": "524",
            "top": "615",
            "right": "1159",
            "bottom": "665",
            "confidence": "65280"
        }
    },
    {
        "id": "7",
        "name": "签发机关",
        "result": {
            "result": "公安部出入境管理局",
            "left": "528",
            "top": "742",
            "right": "1048",
            "bottom": "799",
            "confidence": "65280"
        }
    },
    {
        "id": "8",
        "name": "签发地点",
        "result": {
            "result": "广东",
            "left": "1157",
            "top": "746",
            "right": "1271",
            "bottom": "802",
            "confidence": "65280"
        }
    },
    {
        "id": "9",
        "name": "头像",
```

```
        "result": {
            "result": " ",
            "left": "58",
            "top": "246",
            "right": "455",
            "bottom": "746",
            "confidence": "0"
        }
    }
}
```

错误返回参看统一错误返回码

13. 中国护照识别

名称	类型	候选值		说明
capkey	字符串	ocr.cloud.template	必选	必须是 ocr.cloud.template
property	字符串	pcn	必选	识别领域
templateIndex	整数	0	必选	模板索引号
templatePageIndex	整数	0	必选	模板页索引号

请求示例代码

```
file_path = "中国护照图片路径+文件名"
with open(file_path, "rb") as f:
    body = f.read() # body 内存放所有的文件流
    current_datetime = str(datetime.datetime.now())
    dev_key = "替换成开发者 devKey"
    headers = {
        "x-app-key": "替换成开发者 appKey",
        "x-request-date": current_datetime,
        "x-session-key": hashlib.md5(current_datetime +
dev_key).hexdigest(),
        "x-task-config":
```



```
        "left": "59",
        "top": "856",
        "right": "1368",
        "bottom": "889",
        "confidence": "43869"
    },
    {
        "id": "1",
        "name": "MRZ2",
        "result": {
            "result": "E123456789CHN123456789F1234562NF
MFOCPJ<<<<A568",
            "left": "60",
            "top": "928",
            "right": "1367",
            "bottom": "962",
            "confidence": "9821"
        }
    },
    {
        "id": "2",
        "name": "证件号码",
        "result": {
            "result": "E123456789",
            "left": "60",
            "top": "928",
            "right": "313",
            "bottom": "962",
            "confidence": "65280"
        }
    },
    {
        "id": "3",
        "name": "姓名",
        "result": {
            "result": "**",
```

```
        "left": "467",
        "top": "236",
        "right": "587",
        "bottom": "274",
        "confidence": "65280"
    },
    {
        "id": "4",
        "name": "Name",
        "result": {
            "result": "ZHANG,YI",
            "left": "468",
            "top": "283",
            "right": "656",
            "bottom": "315",
            "confidence": "65280"
        }
    },
    {
        "id": "5",
        "name": "性别",
        "result": {
            "result": "女/F",
            "left": "466",
            "top": "391",
            "right": "539",
            "bottom": "421",
            "confidence": "65280"
        }
    },
    {
        "id": "6",
        "name": "出生地点",
        "result": {
            "result": "江苏/JIANGSU",
            "left": "468",
```

```
        "top": "484",
        "right": "708",
        "bottom": "514",
        "confidence": "65280"
    },
    {
        "id": "7",
        "name": "签发地点",
        "result": {
            "result": "江苏/JIANGSU",
            "left": "468",
            "top": "580",
            "right": "709",
            "bottom": "610",
            "confidence": "65280"
        }
    },
    {
        "id": "8",
        "name": "出生日期",
        "result": {
            "result": "09 DEC 1985",
            "left": "924",
            "top": "388",
            "right": "1158",
            "bottom": "417",
            "confidence": "65280"
        }
    },
    {
        "id": "9",
        "name": "签发日期",
        "result": {
            "result": "01 09 月/SEP 2014",
            "left": "925",
            "top": "472",
```



```
        "right": "1238",
        "bottom": "511",
        "confidence": "65280"
    },
    {
        "id": "10",
        "name": "有效期至",
        "result": {
            "result": "31 08 月/AUG 2024",
            "left": "926",
            "top": "578",
            "right": "1229",
            "bottom": "607",
            "confidence": "65280"
        }
    },
    {
        "id": "11",
        "name": "签发机关",
        "result": {
            "result": "公安部出入境管理局",
            "left": "467",
            "top": "716",
            "right": "820",
            "bottom": "739",
            "confidence": "65280"
        }
    },
    {
        "id": "12",
        "name": "国籍代码",
        "result": {
            "result": "CHN",
            "left": "616",
            "top": "390",
            "right": "855",
```

```
        "bottom": "420",
        "confidence": "65280"
    },
    {
        "id": "13",
        "name": "头像",
        "result": {
            "result": " ",
            "left": "26",
            "top": "247",
            "right": "390",
            "bottom": "721",
            "confidence": "0"
        }
    }
]
```

错误返回参看统一错误返回码

14. 香港身份证识别

名称	类型	候选值		说明
capkey	字符串	ocr.cloud.template	必选	必须是 ocr.cloud.template
property	字符串	hkidcard	必选	识别领域，必须为 hkidcard
templateIndex	整数	0	必选	模板索引号
templatePageIndex	整数	0	必选	模板页索引号

请求示例代码

```
file_path = "香港身份证图片路径+文件名"
with open(file_path, "rb") as f:
    body = f.read() # body 内存放所有的文件流
```

```
current_datetime = str(datetime.datetime.now())
dev_key = “替换成开发者 devKey”
headers = {
    “x-app-key” : “替换成开发者 appKey”,
    “x-request-date” : current_datetime,
    “x-session-key” : hashlib.md5(current_datetime +
dev_key).hexdigest(),
    “x-task-config” :
    “capkey=ocr.cloud.template,property=hkidcard,templateIndex=0,templatePageIndex=0”,
    “x-sdk-version” : “5.2”
}
httpClient = httplib.HTTPConnection( “ServiceURL:port” )
httpClient.request( “POST”, “/ocr”, body, headers)
response = httpClient.getresponse()
```

请求 header:

```
{
    “x-sdk-version”: “5.2”,
    “x-session-key”: “”,
    “x-app-key”: “”,
    “x-task-config”: “capkey=ocr.cloud.template,property=hkidcard,templateIndex=0,templatePageIndex=0”,
    “x-request-date”: “2017-01-19 23:16:59.229000”
}
```

正常返回结果:

```
{
    "error": 0,
    "text": "请求成功",
    "data": {
        "forms": {
            "form": {
                "id": "0",
                "name": "香港新版身份证",
                "ver": "2018-12-03",
                "page": {
                    "id": "0",
                    "name": "身份证个人信息页",
                    "cell": [
```

```
{
  "id": "0",
  "name": "身份证号码",
  "result": {
    "result": "M12345(1)",
    "confidence": "100",
    "left": "663",
    "top": "577",
    "right": "941",
    "bottom": "612"
  }
},
{
  "id": "1",
  "name": "姓名",
  "result": {
    "result": "XXXX",
    "confidence": "82",
    "left": "57",
    "top": "128",
    "right": "158",
    "bottom": "166"
  }
},
{
  "id": "2",
  "name": "Name",
  "result": {
    "result": "LXX,YXX",
    "confidence": "42",
    "left": "58",
    "top": "183",
    "right": "239",
    "bottom": "215"
  }
},
{
  "id": "3",
  "name": "性别",
  "result": {
    "result": "女",
    "confidence": "50",
    "left": "629",
```

```
        "top": "368",
        "right": "659",
        "bottom": "399"
    },
    {
        "id": "4",
        "name": "电码",
        "result": {
            "result": "12345678",
            "confidence": "30",
            "left": "318",
            "top": "242",
            "right": "518",
            "bottom": "270"
        }
    },
    {
        "id": "5",
        "name": "出生日期",
        "result": {
            "result": "14-06-1990",
            "confidence": "27",
            "left": "318",
            "top": "373",
            "right": "543",
            "bottom": "401"
        }
    },
    {
        "id": "6",
        "name": "签发日期",
        "result": {
            "result": "15-07-17",
            "confidence": "62",
            "left": "319",
            "top": "577",
            "right": "543",
            "bottom": "614"
        }
    },
    {
        "id": "7",
```

```

    "name": "代码",
    "result": {
      "result": "CX",
      "confidence": "99",
      "left": "318",
      "top": "422",
      "right": "355",
      "bottom": "447"
    }
  },
  {
    "id": "8",
    "name": "头像",
    "result": {
      "result": " ",
      "confidence": "0",
      "left": "726",
      "top": "229",
      "right": "970",
      "bottom": "534"
    }
  }
]
}
}
}
}
}
```

错误返回参看统一错误返回码

15.承兑汇票识别

名称	类型	候选值		说明
capkey	字符串	ocr.cloud.template	必选	必须是 ocr.cloud.template
property	字符串	ab	必选	识别领域，必须为 ab
templateIndex	整数	0	必选	模板索引号
templatePageIndex	整数	0	必选	模板页索引号

请求示例代码

```
file_path = “承兑汇票图片路径+文件名”
with open(file_path, “rb”) as f:
    body = f.read() # body 内存放所有的文件流
    current_datetime = str(datetime.datetime.now())
    dev_key = “替换成开发者 devKey”
    headers = {
        “x-app-key”: “替换成开发者 appKey”,
        “x-request-date”: current_datetime,
        “x-session-key”: hashlib.md5(current_datetime +
dev_key).hexdigest(),
        “x-task-config”:
        “capkey=ocr.cloud.template,property=ab,templateIndex=0,templatePageI
ndex=0”,
        “x-sdk-version”: “5.2”
    }
    httpClient = httplib.HTTPConnection(“ServiceURL:port”)
    httpClient.request(“POST”, “/ocr”, body, headers)
    response = httpClient.getresponse()
```

请求 header:

```
{
    “x-sdk-version”: “5.2”,
    “x-session-key”: “”,
    “x-app-key”: “”,
    “x-task-config”: “capkey=ocr.cloud.template,property=ab,tem
plateIndex=0,templatePageIndex=0”,
    “x-request-date”: “2017-01-19 23:16:59.229000”
}
```

正常返回结果:

```
{
    “error”: 0,
    “text”: “请求成功”,
    “data”: {
        “forms”: {
            “form”: {
                “id”: “0”,
                “name”: “承兑汇票”,
                “ver”: “2017-06-26”,
                “page”: {
```

```
"id": "0",
"name": "承兑汇票常用条目",
"cell": [
  {
    "id": "0",
    "name": "序号",
    "result": {
      "result": "30200053",
      "confidence": "100",
      "left": "1077",
      "top": "58",
      "right": "1279",
      "bottom": "84"
    }
  },
  {
    "id": "1",
    "name": "票号",
    "result": {
      "result": "00002163",
      "confidence": "100",
      "left": "1085",
      "top": "99",
      "right": "1255",
      "bottom": "124"
    }
  },
  {
    "id": "2",
    "name": "出票日期",
    "cell": [
      {
        "id": "20",
        "name": "年",
        "result": {
          "result": "贰零壹伍",
          "confidence": "100",
          "left": "521",
          "top": "128",
          "right": "624",
          "bottom": "155"
        }
      }
    ]
  }
],
```



```
{
  "id": "21",
  "name": "月",
  "result": {
    "result": "壹拾",
    "confidence": "100",
    "left": "676",
    "top": "122",
    "right": "746",
    "bottom": "153"
  }
},
{
  "id": "22",
  "name": "日",
  "result": {
    "result": "零叁拾",
    "confidence": "100",
    "left": "798",
    "top": "121",
    "right": "905",
    "bottom": "152"
  }
}
],
"result": {
  "result": "贰零壹伍年壹拾月零叁拾日",
  "confidence": "100",
  "left": "510",
  "top": "113",
  "right": "933",
  "bottom": "149"
}
},
{
  "id": "3",
  "name": "付款人全称",
  "result": {
    "result": ", 中信 10209770",
    "confidence": "88",
    "left": "222",
    "top": "176",
```

```
        "right": "410",
        "bottom": "204"
    },
    {
        "id": "4",
        "name": "付款人账号",
        "result": {
            "result": "7381610182200038072",
            "confidence": "55",
            "left": "252",
            "top": "225",
            "right": "504",
            "bottom": "247"
        }
    },
    {
        "id": "5",
        "name": "付款人开户行",
        "result": {
            "result": "中值银行武汉分行双务中心",
            "confidence": "43",
            "left": "255",
            "top": "271",
            "right": "572",
            "bottom": "300"
        }
    },
    {
        "id": "6",
        "name": "收款人全称",
        "result": {
            "result": "背岛啤譚",
            "confidence": "36",
            "left": "858",
            "top": "177",
            "right": "956",
            "bottom": "199"
        }
    },
    {
        "id": "7",
```

```
"name": "收款人账号",
"result": {
  "result": "201509160920",
  "confidence": "40",
  "left": "853",
  "top": "224",
  "right": "1010",
  "bottom": "246"
},
{
  "id": "8",
  "name": "收款人开户行",
  "result": {
    "result": "工行济南高新支行",
    "confidence": "50",
    "left": "855",
    "top": "271",
    "right": "1065",
    "bottom": "299"
  },
{
  "id": "9",
  "name": "出票金额大写",
  "result": {
    "result": "叁壹陆壹陆",
    "confidence": "100",
    "left": "308",
    "top": "349",
    "right": "689",
    "bottom": "378"
  },
{
  "id": "10",
  "name": "出票金额小写",
  "result": {
    "result": "¥201508.66",
    "confidence": "0",
    "left": "1001",
    "top": "349",
    "right": "1278",
```

```
        "bottom": "370"
      },
    },
    {
      "id": "11",
      "name": "汇票到期日",
      "result": {
        "result": "贰零壹陆年零贰月贰拾捌日",
        "confidence": "100",
        "left": "254",
        "top": "400",
        "right": "568",
        "bottom": "424"
      }
    },
    {
      "id": "12",
      "name": "承兑协议编号|交易合同号码",
      "result": {
        "result": "wWJ",
        "confidence": "48",
        "left": "252",
        "top": "455",
        "right": "288",
        "bottom": "475"
      }
    },
    {
      "id": "13",
      "name": "行号",
      "result": {
        "result": "302521638005",
        "confidence": "29",
        "left": "839",
        "top": "401",
        "right": "997",
        "bottom": "420"
      }
    },
    {
      "id": "14",
      "name": "地址",
```

```
中信天厦厂",  
    "result": {  
        "result": "武汉市汉口建设大道 747 号",  
        "confidence": "61",  
        "left": "841",  
        "top": "444",  
        "right": "1282",  
        "bottom": "471"  
    }  
}  
]  
}  
}  
}  
}  
}
```

错误返回参看统一错误返回码

16. 机动车销售发票识别

名称	类型	候选值		说明
capkey	字符串	ocr.cloud.template	必选	必须是 ocr.cloud.template
property	字符串	vsi	必选	识别领域，必须为 vsi
templateIndex	整数	0	必选	模板索引号
templatePageIndex	整数	0	必选	模板页索引号

请求示例代码

```
file_path = "汽车销售发票图片路径+文件名"  
with open(file_path, "rb") as f:  
    body = f.read() # body 内存放所有的文件流  
    current_datetime = str(datetime.datetime.now())  
    dev_key = "替换成开发者 devKey"  
    headers = {  
        "x-app-key": "替换成开发者 appKey",  
        "x-request-date": current_datetime,  
        "x-session-key": hashlib.md5(current_datetime +  
dev_key).hexdigest(),  
        "x-task-config":  
        "capkey=ocr.cloud.template,property=vsi,templateIndex=0,templatePage  
Index=0",  
    }
```

```
        "x-sdk-version" : "5.2"
    }
    httpClient = httpplib.HTTPConnection( "ServeiceURL:port" )
    httpClient.request( "POST", "/ocr", body, headers)
    response = httpClient.getresponse()
```

请求 header:

```
{
    "x-sdk-version": "5.2",
    "x-session-key": "",
    "x-app-key": "",
    "x-task-config": "capkey=ocr.cloud.template,property=vsi,templateIndex=0,templatePageIndex=0",
    "x-request-date": "2017-01-19 23:16:59.229000"
}
```

正常返回结果:

```
{
    "error": 0,
    "text": "请求成功",
    "data": {
        "forms": {
            "form": {
                "id": "0",
                "name": "机动车销售发票",
                "ver": "2017-06-26",
                "page": {
                    "id": "0",
                    "name": "机动车销售发票全部条目",
                    "cell": [
                        {
                            "id": "0",
                            "name": "发票代码",
                            "result": {
                                "result": "144001424660",
                                "confidence": "33",
                                "left": "1102",
                                "top": "120",
                                "right": "1296",
                                "bottom": "138"
                            }
                        }
                    ]
                }
            }
        }
    }
}
```

```
    }  
  },  
  {  
    "id": "1",  
    "name": "发票号码",  
    "result": {  
      "result": "02082073",  
      "confidence": "18",  
      "left": "1082",  
      "top": "154",  
      "right": "1231",  
      "bottom": "173"  
    }  
  },  
  {  
    "id": "2",  
    "name": "开票日期",  
    "result": {  
      "result": "2014-11-01",  
      "confidence": "71",  
      "left": "243",  
      "top": "166",  
      "right": "388",  
      "bottom": "183"  
    }  
  },  
  {  
    "id": "3",  
    "name": "机打代码",  
    "result": {  
      "result": "144001424660",  
      "confidence": "43",  
      "left": "317",  
      "top": "234",  
      "right": "493",  
      "bottom": "249"  
    }  
  },  
  {  
    "id": "4",  
    "name": "机打号码",  
    "result": {  
      "result": "02082073",
```

```
        "confidence": "36",
        "left": "315",
        "top": "274",
        "right": "493",
        "bottom": "290"
    },
    {
        "id": "5",
        "name": "机器编号",
        "result": {
            "result": "889900200541",
            "confidence": "31",
            "left": "317",
            "top": "316",
            "right": "492",
            "bottom": "332"
        }
    },
    {
        "id": "6",
        "name": "税控码",
        "result": {
            "result":
"0371><>59350-+2>*>0+3+263065>/84862663/7584680//114>7786/9487
2**+14**>-4<<2969/1-54+3<0+2>-469/1-5443<0+2>*-56286193<6*>34/
9-3+1523553969-53<+87+1+->>0<1/872084+0+5217<79/9>564+01*26904
>3--",
            "confidence": "33",
            "left": "685",
            "top": "215",
            "right": "1302",
            "bottom": "344"
        }
    },
    {
        "id": "7",
        "name": "购买方名称及身份证号码/组织机构
代码",
        "cell": [
            {
                "id": "70",
                "name": "名称",
```



```
        "result": {
            "result": "王含东",
            "confidence": "99",
            "left": "299",
            "top": "387",
            "right": "358",
            "bottom": "406"
        },
    },
    {
        "id": "71",
        "name": "号码",
        "result": {
            "result":
"513022197512000000",
            "confidence": "36",
            "left": "314",
            "top": "422",
            "right": "580",
            "bottom": "439"
        }
    }
],
{
    "id": "8",
    "name": "纳税人识别号（购买方）",
},
{
    "id": "9",
    "name": "车辆类型",
    "result": {
        "result": "越野车",
        "confidence": "78",
        "left": "303",
        "top": "467",
        "right": "363",
        "bottom": "483"
    }
},
{
    "id": "10",
    "name": "厂牌型号",
```

```
        "result": {
            "result": "指南者 COMPASS2359CC",
            "confidence": "56",
            "left": "659",
            "top": "468",
            "right": "856",
            "bottom": "482"
        },
        {
            "id": "11",
            "name": "产地",
            "result": {
                "result": "美国",
                "confidence": "78",
                "left": "1129",
                "top": "467",
                "right": "1171",
                "bottom": "483"
            },
        },
        {
            "id": "12",
            "name": "合格证号"
        },
        {
            "id": "13",
            "name": "进口证明书号",
            "result": {
                "result": "XIX3502743",
                "confidence": "36",
                "left": "705",
                "top": "522",
                "right": "806",
                "bottom": "535"
            },
        },
        {
            "id": "14",
            "name": "商检单号",
            "result": {
                "result": "AA4929253",
                "confidence": "24",
```

```
        "left": "1129",
        "top": "522",
        "right": "1316",
        "bottom": "535"
    },
    {
        "id": "15",
        "name": "发动机号码",
        "result": {
            "result": "LLZZ",
            "confidence": "50",
            "left": "303",
            "top": "579",
            "right": "353",
            "bottom": "588"
        }
    },
    {
        "id": "16",
        "name": "车辆识别代号/车架号码",
        "result": {
            "result": "1C4NJDGB2EDXXXXXX",
            "confidence": "53",
            "left": "952",
            "top": "573",
            "right": "1203",
            "bottom": "590"
        }
    },
    {
        "id": "17",
        "name": "价税合计大写",
        "result": {
            "result": "贰拾叁万元整",
            "confidence": "28",
            "left": "330",
            "top": "629",
            "right": "487",
            "bottom": "646"
        }
    }
}
```

```
"id": "18",
"name": "价税合计小写",
"result": {
  "result": "¥230000.00",
  "confidence": "32",
  "left": "1073",
  "top": "629",
  "right": "1325",
  "bottom": "645"
},
{
  "id": "19",
  "name": "销货单位名称",
  "result": {
    "result": "佛山市鸿粤鸿顺汽车销售有
限公司",
    "confidence": "52",
    "left": "305",
    "top": "683",
    "right": "613",
    "bottom": "699"
  },
  {
    "id": "20",
    "name": "销售方电话",
    "result": {
      "result": "0757-86250415",
      "confidence": "35",
      "left": "979",
      "top": "680",
      "right": "1113",
      "bottom": "695"
    },
    {
      "id": "21",
      "name": "纳税人识别号（销售方）",
      "result": {
        "result": "440604586377824",
        "confidence": "31",
        "left": "305",
```

```
        "top": "738",
        "right": "527",
        "bottom": "753"
    },
    {
        "id": "22",
        "name": "销售方账号",
        "result": {
            "result": "2013834709200012662",
            "confidence": "27",
            "left": "983",
            "top": "736",
            "right": "1181",
            "bottom": "750"
        }
    },
    {
        "id": "23",
        "name": "地址",
        "result": {
            "result": "佛山市南海区 XX",
            "confidence": "51",
            "left": "304",
            "top": "795",
            "right": "689",
            "bottom": "810"
        }
    },
    {
        "id": "24",
        "name": "开户银行",
        "result": {
            "result": "中国工商银行佛山南海叠溪
支行",
            "confidence": "68",
            "left": "874",
            "top": "793",
            "right": "1161",
            "bottom": "809"
        }
    },
    {
```

```
"id": "25",
"name": "增值税税率",
"result": {
  "result": "17%",
  "confidence": "84",
  "left": "316",
  "top": "855",
  "right": "342",
  "bottom": "873"
},
{
  "id": "26",
  "name": "增值税税额",
  "result": {
    "result": "¥33418.80",
    "confidence": "43",
    "left": "570",
    "top": "856",
    "right": "801",
    "bottom": "872"
  },
  {
    "id": "27",
    "name": "主管税务机关及代码",
    "cell": [
      {
        "id": "270",
        "name": "机关名称",
        "result": {
          "result": "佛山市阁再区国承
机分同",
          "confidence": "47",
          "left": "923",
          "top": "840",
          "right": "1149",
          "bottom": "854"
        }
      },
      {
        "id": "271",
        "name": "机关代码",
```

```
        "result": {
            "result": "10",
            "confidence": "34",
            "left": "988",
            "top": "921",
            "right": "1331",
            "bottom": "934"
        }
    },
    {
        "id": "28",
        "name": "不含税价",
        "result": {
            "result": "¥196581.20",
            "confidence": "56",
            "left": "364",
            "top": "917",
            "right": "577",
            "bottom": "933"
        }
    },
    {
        "id": "31",
        "name": "限乘人数",
        "result": {
            "result": "",
            "confidence": "100",
            "left": "1269",
            "top": "957",
            "right": "1299",
            "bottom": "961"
        }
    }
]
```

错误返回参看统一错误返回码

17. 回乡证识别

名称	类型	候选值		说明
capkey	字符串	ocr.cloud.template	必选	必须是 ocr.cloud.template
property	字符串	hm2	必选	识别领域，必须为 hm2
templateIndex	整数	0	必选	模板索引号
templatePageIndex	整数	0	必选	模板页索引号

请求示例代码

```
file_path = "回乡证图片路径+文件名"
with open(file_path, "rb") as f:
    body = f.read() # body 内存放所有的文件流
    current_datetime = str(datetime.datetime.now())
    dev_key = "替换成开发者 devKey"
    headers = {
        "x-app-key": "替换成开发者 appKey",
        "x-request-date": current_datetime,
        "x-session-key": hashlib.md5(current_datetime +
dev_key).hexdigest(),
        "x-task-config":
        "capkey=ocr.cloud.template,property=hm2,templateIndex=0,templatePage
Index=0",
        "x-sdk-version": "5.2"
    }
    httpClient = httplib.HTTPConnection("ServiceURL:port")
    httpClient.request("POST", "/ocr", body, headers)
    response = httpClient.getresponse()
```

请求 header:

```
{
    "x-sdk-version": "5.2",
    "x-session-key": "",
    "x-app-key": "",
    "x-task-config": "capkey=ocr.cloud.template,property=hm2,te
mplateIndex=0,templatePageIndex=0",
    "x-request-date": "2017-01-19 23:16:59.229000"
}
```


正常返回结果:

```
{
  "error": 0,
  "text": "请求成功",
  "data": {
    "forms": {
      "form": {
        "id": "1",
        "name": "1999 版个人信息页",
        "ver": "2017-06-06",
        "page": {
          "id": "0",
          "name": "香港居民个人信息页",
          "cell": [
            {
              "id": "0",
              "name": "证件号码",
              "result": {
                "result": "H123456789",
                "confidence": "80",
                "left": "601",
                "top": "64",
                "right": "831",
                "bottom": "94"
              }
            }
          ],
          {
            "id": "1",
            "name": "身份证号码",
            "result": {
              "result": "P3546878(6)",
              "confidence": "55",
              "left": "423",
              "top": "305",
              "right": "567",
              "bottom": "335"
            }
          },
          {
            "id": "2",
            "name": "姓名",
            "result": {
```

```
        "result": "陈 XX",
        "confidence": "70",
        "left": "423",
        "top": "120",
        "right": "538",
        "bottom": "148"
    },
    {
        "id": "3",
        "name": "Name",
        "result": {
            "result": "CHAN,XXXXX",
            "confidence": "29",
            "left": "421",
            "top": "153",
            "right": "602",
            "bottom": "174"
        }
    },
    {
        "id": "4",
        "name": "性别",
        "result": {
            "result": "女",
            "confidence": "100",
            "left": "423",
            "top": "226",
            "right": "447",
            "bottom": "248"
        }
    },
    {
        "id": "5",
        "name": "出生日期",
        "result": {
            "result": "1965-04-18",
            "confidence": "43",
            "left": "486",
            "top": "225",
            "right": "623",
            "bottom": "250"
        }
    }
}
```

```
    },  
    {  
      "id": "6",  
      "name": "签发日期",  
      "result": {  
        "result": "20020004",  
        "confidence": "0",  
        "left": "393",  
        "top": "395",  
        "right": "565",  
        "bottom": "426"  
      }  
    },  
    {  
      "id": "7",  
      "name": "有效期限",  
      "result": {  
        "result": "20020004-20190604",  
        "confidence": "32",  
        "left": "424",  
        "top": "474",  
        "right": "566",  
        "bottom": "500"  
      }  
    },  
    {  
      "id": "8",  
      "name": "头像",  
      "result": {  
        "result": " ",  
        "confidence": "0",  
        "left": "102",  
        "top": "105",  
        "right": "342",  
        "bottom": "474"  
      }  
    }  
  ]  
}
```

错误返回参看统一错误返回码

18. 统一错误返回码

错误码	说明
0	请求成功
-1	服务器异常
190	app_key 参数不能为空
191	app_key 错误
192	app_key 不存在
193	缺少参数 app_key
200	request_date 参数不能为空
201	request_date 错误
202	缺少参数 request_date
210	session_key 参数不能为空
211	session_key 错误
212	缺少参数 session_key
213	sdk_version 参数不能为空
214	sdk_version 错误
215	缺少参数 sdk_version
220	task_config 参数不能为空
221	缺少参数 task_config
222	缺少 capkey 参数
223	capkey 参数不能为空
224	缺少 property 参数
225	property 参数不能为空
226	缺少 templatePageIndex 参数
227	templatePageIndex 参数不能为空
228	缺少 templateIndex 参数
229	templateIndex 参数不能为空
230	请求文件超过限制

231	缺少 lang 参数
232	lang 参数不能为空
233	templatePageIndex 参数错误
234	templateIndex 参数错误
240	用户账号余额不足
250	服务器网络异常
260	API 服务不存在
261	不支持的语言
262	不支持的 property