

支付接口文档

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简介:

支付系统提供支付接口和支付查询两个接口，请求接口需要appId和appKey（从商户首页获取）

正式环境：<https://open.gagapay.pro/>

appId为于请求方法必传参数，appKey用于签名,签名的参数按自然排序法从a-z排序后签名，签名示例代码：

测试appId:1HHU21Or5S36ggww3DGyrjXgjHxxkC

测试appKey:7nZZXJx1xqFv33OP88pmFVIAYsowgGk0QNbaP5al

```
1 public static String getSign(String appKey, TreeMap<String, String> sortedMap) {
2     String resultStr = "";
3     for (String key : sortedMap.keySet()) {
4         if (key != null && key != "" && key != "sign") {
5             resultStr = resultStr + sortedMap.get(key);
6         }
7     }
8
9     resultStr = appKey + resultStr;
10    return MD5.create().digestHex(resultStr).toLowerCase();
11
12 }
```

签名示例:

```
1 TreeMap<String, String> treeMap = new TreeMap<>();
2 treeMap.put("orderNo", "2");
3 treeMap.put("amount", "0.01");
4 treeMap.put("subject", "购买商品");
5 treeMap.put("body", "测试下单");
6 treeMap.put("currentTime", "12345689");
7 treeMap.put("notifyUrl", "http://域名/api/return");
8 treeMap.put("appId", "1HHU210r5S36ggw3DGyrjXgjHxxkC");
9 System.out.println(getSign("7nZZXJx1xqFv330P88pmFVIAYsowgGk0QNbaP5al", treeMap));
```

支付接口

允许已授权的用户通过此接口更新自己的信息。

- URL: `/api/pay/alipay`
- Method: `POST`
- 需要鉴权: `是`

请求参数

参数	类型	是否必填	描述
orderNo	String	是	订单号
amount	String	是	支付金额
subject	String	是	商品名称
body	String	是	商品描述
appId	String	是	appId,从商户首页获取
notifyUrl	String	是	回调url, 支付成功回调商户的url
currentTime	String	是	当前时间戳
sign	String	是	查看签名示例

请求示例

可以仅传递部分请求参数。

```
body参数 JSON  
  
1 {  
2   "orderNo": "2",  
3   "amount": "0.01",  
4   "subject": "购买商品",  
5   "body": "测试下单",  
6   "currentTime": "12345689",  
7   "notifyUrl": "http://localhost:8091/api/return",  
8   "appId": "1HHU210r5S36ggww3DGyrjXgjHxxkC",  
9   "sign": "02bd94c32be5711b98ff0340363b7f08"  
10 }
```

notifyUrl: 回调方法示例:

```
1     @RequestMapping(value = "api/return")
2     public String returnUrl(@RequestBody OrderResponse orderResponse) {
3         log.info("订单信息: {}", JSONObject.toJSONString(orderResponse));
4         //订单信息: {"amount":0.01,"currentTime":1716808777567,"orderNo":"1","sign":"17fb4a483ac69c7bd3fd224c04b9d75b","status":1}
5         return "success";
6     }
7 }
```

回调参数OrderResponse:

OrderResponse

```
1  {
2    "orderNo": "",
3    "amount": 1,
4    "status": -1: 支付失败 0: 待支付 1: 支付成功,
5    "remark": "",
6    "subject": "",
7    "currentTime": 1,
8    "sign": "加密参数"
9  }
```

成功响应

条件: 请求参数合法。

状态码: 200 OK

响应示例: 响应会将支付的数据返回:

```
1 {
2   "code": 200,
3   "message": "成功",
4   "result": {
5     "imageBase64": "
CAIAAAD2HxkiAAAerELEQVR4Xu3TwY4jy64gwff/Pz2z8o3hJHibUIZUQNIy4SRDqtb//b/rur
7q//yH67r0uj/C6/qy+y08ri+7P8Lr+rL7I7yuL7s/wuv6svsjvK4vuz/C6/qy+y08ri+7P8Lr
+rL7I7yuL7s/wuv6svsjvK4vuz/C6/qy+y08ri+7P8Lr+rL7I7yuL7s/wuv6svsjvK4vuz/C6/
qy+y08ri+7P8Lr+rL7I7yuL7s/wuv6svsjvK4vuz/C6/qy+y08ri+7P8Lr+rL7I7yuL7s/wuv6
svsjvK4vuz/C6/qy+y08ri879CP8vz/Cd0+cj93E+djFbsu9p/i0X+W733HqzB/huyf0x27if0
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q3z3006d+SN898T52E2cj13sttx7iu/4Vb77Haf0/BG+e+J87Cb0xy52W+49xXf8Kt/9j lNn/g
j fPXE+dhPnYxe7Lfee4jt+le9+x6kzf4Tvnjgfu4nzsYvd lntP8R2/yne/49SZB3an+I7YbbL3
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23LvKb4j dqf4jti949SZB3an+I7YbbL3y72x23LvKb4j dqf4jti949SZB3an+I7YbbL3y72x23
LvKb4j dqf4jti949SZB3an+I7YbbL3y72x23LvKb4j dqf4jti949SZB3ax23Jv7GIXuy33xm7i
f0xiF7st906cj13sttwbu9i949SZB3ax23Jv7GIXuy33xm7if0xiF7st906cj13sttwbu9i949
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lntjF7vYxS52E+cnzsfu+i/3a/qf+J9ry72xi13sYhe7ifMT52N3/Zf7Nf1P/M+15d7YxS52sY
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u/3K/pv+J/7m23Bu72MUudrGb0D9xPnbXf7lf0//E/1xb7o1d7GIXu9hNnJ84H7vrv9yv6X/if
64t98YudrGLXewmzk+cj931Xw59Tf5xttwbu1N8R+y23Bu72E2cnzg/cX7i/JZ7Y/cbDj3LL2P
```

LvbE7xXfEbsu9sYvdxPmJ8xPnJ85vuTd2v+HQs/wytwbu1N8R+y23Bu72E2cnzg/cX7i/JZ7Y/cbDj3LL2PLvbE7xXfEbsu9sYvdxPmJ8xPnJ85vuTd2v+HQs/wytwbu1N8R+y23Bu72E2cnzg/cX7i/JZ7Y/cbDj3LL2PLvbE7xXfEbsu9sYvdxPmJ8xPnJ85vuTd2v+HQs/wytwbu1N8R+y23Bu72E2cnzg/cX7i/JZ7Y/cbDj3LL2PLvbE7xXfEbsu9sYvdxPmJ8xPnJ85vuTd2v+HQs/wyvs33fZr3Js7Hbsu9sYvdlnsnzscudhPnY3fWofN+6G/zfZ/mvYnzsdyb+xit+Xeif0xi93E+diddei8H/rbfN+neW/if0y23Bu72G25d+J87GI3cT52Zx0674f+Nt/3ad6b0B+7LffGLnZb7p04H7vYTZyP3VmHzvuhv833fZr3Js7Hbsu9sYvdlnsnzscudhPnY3fWofN+6G/zfZ/mvYnzsdyb+xit+Xeif0xi93E+diddei8H/rbfN+neW/if0y23Bu72G25d+J87GI3cT52Zx0674f+Nt/3ad6b0B+7LffGLnZb7p04H7vYTZyP3VmHzvuhJ85vuXfLvbGL3cT5if0xi13sYjdxfsu9E+djF7uJ8+84deYf0b/l3i33xi52E+cnzscudrGL3cT5Lfd0nI9d7Cb0v+PUMX/k/JZ7t9wbu9hNnJ84H7vYxS52E+e33DtxPnaxmzj/jlNn/pHzW+7dcm/sYjdxfuJ87GIXu9hNnN9y78T52MVu4vw7Tp35R85vuXfLvbGL3cT5if0xi13sYjdxfsu9E+djF7uJ8+84deYf0b/l3i33xi52E+cnzscudrGL3cT5Lfd0nI9d7Cb0v+PUMX/k/JZ7t9wbu9hNnJ84H7vYxS52E+e33DtxPnaxmzj/jlNn/pHzW+7dcm/sYjdxfuJ87GIXu9hNnN9y78T52MVu4vw7Dp154oe03cT5if0xmzg/cT52sYvdlntjN3H+07z3ad6L3Ts0nXnih47dxPmJ87Gb0D9xPnaxi92We2M3cf7TvPdp3ovd0w6deeKHjt3E+YnzsZs4P3E+drGL3ZZ7Yzdx/t0892nei907Dp154oe03cT5if0xmzg/cT52sYvdlntjN3H+07z3ad6L3Ts0nXnih47dxPmJ87Gb0D9xPnaxi92We2M3cf7TvPdp3ovd0w6deeKHjt3E+YnzsZs4P3E+drGL3ZZ7Yzdx/t0892nei907Dp154oe03cT5if0xmzg/cT52sYvdlntjN3H+07z3ad6L3Ts0nXnih47dxPmJ87Gb0D9xPnaxi92We2M3cf7TvPdp3ovd0w6deeKH/lw++908N3F+4nzsYhe72MUudrHbcu+W e99x6MwTP/Sv8t2f5r2J8xPnYxe72MUudrGL3ZZ7t9z7jkNnnvihf5Xv/jTvTZyF0B+72MUudrGLXey23Lv13ncc0vPED/2rfPenew/i/MT52MUudrGLXexit+XeLfe+49CZJ37oX+W7P817E+cnzscudrGLXexiF7st92659x2HzjzXQ/8q3/1p3ps4P3E+drGLXexiF7vYbb13y73vOHTmiR/6V/nuT/PexPmJ87GLXexiF7vYxW7LvVvufcehM0/80L/Kd3+a9yb0T5yPXexiF7vYxS52W+7dCu87Tp15YDdxfuL8xPnYxS52sYtd7GI3cX7LvbGL3cT52G25N3ZnHTrvh47dxPmJ8xPnYxe72MUudrGL3cT5LffGLnYT52035d7YnXXovB86dhPnJ85PnI9d7GIXu9jFLnYT57fcG7vYTZyP3ZZ7Y3fWofN+6NhnNj84P3E+drGLXexiF7vYTZzfcM/sYjdxPnZb7o3dWYf0+6FjN3F+4vzE+djFLnaxi13sYjdxfsu9sYvdxPnYbbk3dmcd0u+Hjt3E+YnZE+djF7vYxS52sYvdxPkt98YudhPnY7fl3tiddei8Hzp2E+cnzk+cj13sYhe72MUudhPnt9wbu9hNnI/dlntjd9ah837o2E2cnzg/cT52sYtd7GIXu9hNnN9yb+xin3E+dlvujd1Z3z7/j5yPXexiF7vYxS52E+djF7vYbbk3dqf4jTjF7rd9+bl+eRPnYxe72MUudrGL3cT52MUudlvujd0pviN2sfttX36uX97E+djFLnaxi13sYjdxPnaxi92We2N3iu+IXex+25ef65c3cT52sYtd7GIXu9hNnI9d7GK35d7YneI7Yhe73/bl5/rLTZyPXexiF7vYxS52E+djF7vYbbk3dqf4jTjF7rd9+bl+eRPnYxe72MUudrGL3cT52MUudlvujd0pviN2sfttX36uX97E+djFLnaxi13sYjdxPnaxi92We2N3iu+IXex+25ef65c3cT52sYtd7GIXu9hNnI9d7GK35d7YneI7Yhe733bouX5JsYvdlnu33Lv13onzE+djF7vYxW7i/MT5if0xi93E+Xec0vPALnZb7t1y75Z7J85PnI9d7GIXu4nzE+cnzscudhPn33HqzA072G25d8u9W+6d0D9xPnaxi13sJs5PnJ84H7vYTzx/x6kzD+xit+XeLfduuXfi/MT52MUudrGb0D9xfuJ87GI3cf4dp848sIvdlnu33Lv13onzE+djF7vYxW7i/MT5if0xi93E+Xec0vPALnZb7t1y75Z7J85PnI9d7GIXu4nzE+cnzscudhPn33HqzA072G25d8u9W+6d0D9xPnaxi13sJs5PnJ84H7vYTzx/x6kzD+xit+XeLfduuXfi/MT52MUudrGb0D9xfuJ87GI3cf4dh878K7+M2MVuy71b7o3dr/LdsZs4H7vYTZyP3ZZ733HozL/yy4hd7Lbcu+Xe2P0q3x27if0xi93E+dhtufcdh878K7+M2MVuy71b7o3dr/LdsZs4H7vYTZyP3ZZ733HozL/yy4hd7Lbcu+Xe2P0q3x27if0xi93E+dhtufcdh878K7+M2MVuy71b7o3dr/LdsZs4H7vYTZyP3ZZ733HozL/yy4hd7Lbcu+Xe2P0q3x27if0xi93E+dhtufcdh878K7+M2MUudp/mvVN8R+xiF7vYxS52sYtd7GK35d6J8+84d0Zf+WXLNax+zTvneI7Yhe72MUudrGLXexiF7st906cf8ehM//KLyN2sYvdp3nvFN8Ru9jFLnaxi13sYhe72G25d+L80w6d+Vd+GbGLXew+zXun+I7YxS52sYtd7GIXu9jFbsu9E+ffcejMv/LLiF3sYvdp3jvFd8QudrGLXexiF7vYxS52W+6d0P+0Q2f+lv9G7GIXu0/z3im+I3axi13sYhe72MUudrHbcu/E+Xcc0v0v/DJiF7vYfZr3TvEdsYtd7GIXu9jFLnaxi92Weyf0v+PQmX/llxG72MXu07x3iu+IXexiF7vYxS52sYtd7Lbc03H+Haf0PL


```

i13sJs5PnJ84H7uJ8+84deaP8N2x23LvKb4jdrGLXewmzk+cnzgf4nz7zh15o/w3bHbcu8pvi
N2sYtd7Cb0T5yf0B+7ifPv0HXmj/Ddsdty7ym+I3axi13sJs5PnJ84H7uJ8+84deaP8N2x23Lv
Kb4jdrGLXewmzk+cnzgf4nz7zh05rquJ/dHeF1fdn+E1/Vl90d4XV92f4TX9WX3R3hdX3Z/hN
f1ZfdHeF1fdn+E1/Vl90d4XV92f4TX9WX3R3hdX3Z/hNf1ZfdHeF1fdn+E1/Vl90d4XV92f4TX
9WX3R3hdX3Z/hNf1ZfdHeF1fdn+E1/Vl90d4XV92f4TX9WX3R3hdX3Z/hNf1ZfdHeF1fdn+E1/
Vl90d4XV92f4TX9WX3R3hdX3Z/hNf1ZfdHeF1fdn+E1/Vl90d4XV/2/wEs/QWf0lC0mwAAAABJ
RU5ErkJggg==",
6     "qrCode": "https://qr.alipay.com/bax060041n9yryyftzru0058"
7     },
8     "success": true,
9     "timestamp": 1716890941203
10  }

```

参数	类型	描述
code	int	返回码，200为成功，其它为失败
message	String	提示词，返回码非200时为请求错误
result	String	返回结果
result.imageBase64	String	图片base64，
result.qrCode	String	自行生成二维码
success	Boolean	true成功
timestamp	String	当前时间戳

错误响应

条件： 请求数据非法，或执行异常。

状态码： code非200为错误

响应示例：


```
1 {  
2   "code": 500,  
3   "message": "当笔交付金额已上限",  
4   "success": true,  
5   "timestamp": 1716890941203  
6 }
```

支付订单查询

允许已授权的用户通过此接口更新自己的信息。

- URL: `/api/query/order`
- Method: `POST`
- 需要鉴权:

请求参数

参数	类型	是否必填	描述
orderNo	String	是	订单号
appld	String	是	appld,从商户首页获取
currentTime	String	是	当前时间戳
sign	String	是	查看签名示例

请求示例

可以仅传递部分请求参数。

```

body参数 | JSON
1 {
2   "orderNo": "1716881332886",
3   "appId": "1HHU210r5S36ggww3DGyrjXgjHxxkC",
4   "currentTime": "1716881332886",
5   "sign": "0f104016564ca924519946b5ea26dce2"
6 }

```

成功响应

条件：请求参数合法。

状态码： 200 OK

响应示例：响应会将支付的数据返回：

```

JSON
1 {
2   "code": 200,
3   "message": "成功",
4   "result": {
5     "amount": 0.01,
6     "currentTime": 1716893423582,
7     "orderNo": "1716881332886",
8     "sign": "b358803aa08eca5d1524ddff20d02a04",
9     "status": -1: 支付失败 0: 待支付 1: 支付成功
10  },
11  "success": true,
12  "timestamp": 1716893423583
13 }

```

参数	类型	描述
code	int	返回码，200为成功，其它为失败
message	String	提示词，返回码非200时为请求错误
result	String	返回结果
result.orderNo	String	图片base64,

result.amount	String	自行生成二维码
result.currentTime	String	当前时间戳
result.sign	String	签名 (orderNo, amount, currentTime) 参数的签名, 参考签名示例
success	Boolean	true成功
timestamp	String	当前时间戳

错误响应

条件：请求数据非法，或执行异常。

状态码：code非200为错误

响应示例：



JSON |

```

1 {
2   "code": 500,
3   "message": "请求错误",
4   "success": true,
5   "timestamp": 1716890941203
6 }
```