



- 时间戳

sign[timestamp]ASCII[timestamp]"[timestamp]1=[timestamp]1&[timestamp]2=[timestamp]2"[timestamp]

- bizContent[timestamp]

[timestamp]json[timestamp]base64[timestamp]

- [timestamp] appSecret([timestamp])

[timestamp]"appSecret=xxxxx"[timestamp]

- [timestamp]

sha256[timestamp]sign[timestamp]

- [timestamp]

[timestamp>null[timestamp]

- JAVA[timestamp]

```
JSONObject notifyJson = new JSONObject(true);
notifyJson.put("orderNo", "4200001172202109274275163730");
notifyJson.put("transDateTime", "20210928102350");
notifyJson.put("ebuyCode", "1002108300000059091");
notifyJson.put("faceValue", "30");
notifyJson.put("outTradeNo", "89392109280163981");

byte[] encodeBase64 = Base64.encodeBase64(notifyJson.toJSONString().getBytes("UTF-8"));
String bizContent = new String(encodeBase64, "UTF-8");

Map<String, String> map = new TreeMap<>();
map.put("appKey", "274b9cf9f01543619baa726ed24ddd19");
map.put("signType", "sha256");
map.put("timestamp", "1483372334");
map.put("bizContent", bizContent);
```

```
StringBuilder buffer = new StringBuilder();
for (Map.Entry<String, String> item : map.entrySet()) {
    buffer.append(item.getKey()).append("=").append(item.getValue()).append("&");
}

String signStr = buffer.toString() + "appSecret=XXXXXXXXXXXX";// appSecret(????);
String checkSign = SHAUtil.sha256(signStr);
System.out.println(signStr);
System.out.println(checkSign);
```

?????action=verify&appKey=274b9cf9f01543619baa726ed24ddd19&bizContent=eyJvcnRlck5vljcMDAwMTE3MjIwMjEwOTI3NDI3NTE2MzczMCIslmRyYW5zRGF0ZVRpbWUiOiIyMDIxMDkyODEwMjM1MCIslmVidXIDb2RlIjoMTAwMjEwODMwMDAwMDA1OTA5MSIsImZhY2VWYWx1ZSI6IjMwliwib3V0VHJhZGVObyl6Ijg5MzkyMTA5MjgwMTYzOTgxIn0=&charset=utf-8&format=json&signType=sha256×tamp=1483372334&appSecret=XXXXXXXXXXXX

?????bc151776f32a0eed26fd97696ece7e8102e5c1f8f594fbf8ddc392bd579693f1

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