1. 公共参数：

https://help.aliyun.com/document\_detail/25490.html?spm=5176.doc25485.6.238.EaiYk2

1. 签名：

<https://help.aliyun.com/document_detail/25492.html?spm=5176.doc25490.6.240.mHjxKi>

1. 接口定义：
   1. 接口请求地址：https://market.aliyuncs.com/?action=PushMeteringData
   2. 接口请求规范：云市场对每个InstanceId的请求限制为 60s/次 每次请求支持写入的计量数据为100条；

Action：PushMeteringData  
Method：post  
Protocol：http | https

* 1. 请求参数：

|  |  |  |  |
| --- | --- | --- | --- |
| **参数** | **类型** | **可空** | **说明** |
| Metering | JsonString | 否 | 计量数据对象 |
| InstanceId | String | 否 | 云市场实例ID |
| StartTime | Long | 否 | 计量开始时间，单位秒（格式为unix时间戳） |
| EndTime | Long | 否 | 计量结束时间，单位秒（格式为unix时间戳） |
| Entities | List<Map> | 否 | 计量实体对象 |
| Key | String | 否 | 计量项属性名称（对照表：3.4） |
| Value | Long | 否 | (取值 >= 0) |

如果商品设置为实时出账，StartTime和EndTime为任意时间宽度均可以，但是EndTime一定要大于StartTime。

如果商品设置为按小时出账，StartTime和EndTime必须为整点数据。

* 1. 计量项属性值对照表：

|  |  |  |
| --- | --- | --- |
| **计量项** | **说明** | **单位** |
| Frequency | 使用次数 | 次 |
| Period | 使用时长 | 秒 |
| Storage | 使用存储空间 | Byte |
| NetworkOut | 上行使用流量 | Bit/s |
| NetworkIn | 下行使用流量 | Bit/s |
| Character | 字符数 | 个 |

* 1. 请求参数示例：

a. 请求示例：

https://market.aliyuncs.com/?action=PushMeteringData

&Metering={"Metering": [{"InstanceId" : "1000001", StartTime": "100000000","EndTime": "100000010","Entities": [{"Key": "Frequency","Value": "96"},{"Key": "Period","Value": "126"}]}]}

&<公共请求参数>

b. JSON示例：

[

    {

        "InstanceId": "100001",

        "StartTime": "100000000",

        "EndTime": "100000010",

        "Entities": [

            {

                "Key": "Frequency",

                "Value": "96"

            },

            {

                "Key": "Period",

                "Value": "126"

            }

        ]

    },

    {

        "InstanceId": "100002",

        "StartTime": "100000010",

        "EndTime": "100000020",

        "Entities": [

            {

                "Key": "Frequency",

                "Value": "22"

            },

            {

                "Key": "Period",

                "Value": "209"

            }

        ]

    }

]

* 1. 返回值示例：

{

 "requestId" : "23ed92je-d13ddrf-23f2ef-fi0ae9s8",

 "isSuccess" : true

}

* 1. 返回错误信息：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **httpCode** | **Market编码** | **errorCode** | **errorMessage** | **说明** |
| 500 | 500 | UnknownError | The request processing has failed due to some unknown error. | 未知异常 |
| 500 | 1000 | Service.Flow.Control | The instance was locked from flow control. | 请求实例被流控锁定（流控限制为60秒/次） |
| 500 | 1001 | Invalid.Parameter | Invalid input parameter. | 请求参数无效 |
| 500 | 1002 | Invalid.Parameter.Instance | Invalid input parameters for instance. | 请求实例无效 |
| 500 | 1003 | Invalid.Parameter.Metering | Invalid input parameters for metering entity. | 请求计量实体无效 |
| 500 | 1004 | Metering.Data.Exceeded | Metering entities more than 100. | 计量数据实体大于100条 |
| 500 | 1005 | Permission.Denied | The request for status not on the white list. | 请求身份没有权限 |

* 1. 使用SDK：

1. maven引用

<dependency>

  <groupId>com.aliyun</groupId>

  <artifactId>aliyun-java-sdk-market</artifactId>

  <version>2.0.0-upgrade-SNAPSHOT</version>

</dependency>

1. java示例

Map<String, Object> data1 = new HashMap<String, Object>();

data1.put("Key", "Frequency");

data1.put("Value", 664);

Map<String, Object> data2 = new HashMap<String, Object>();

data2.put("Key", "Period");

data2.put("Value", 123);

List<Map<String, Object>> meteringAttributes = new ArrayList<Map<String, Object>>();

meteringAttributes.add(data1);

meteringAttributes.add(data2);

Map<String, Object> meteringData = new HashMap<String, Object>();

meteringData.put("StartTime", new DateTime("2016-08-05T16:11:00").getMillis() / 1000);

meteringData.put("EndTime", new DateTime("2016-08-05T16:16:00").getMillis() / 1000);

meteringData.put("Entities", meteringAttributes);

meteringData.put("InstanceId", "10001461");

List<Map<String, Object>> meteringDataList = new ArrayList<Map<String, Object>>();

meteringDataList.add(meteringData);

try {

    DefaultProfile.addEndpoint("cn-hangzhou1", "cn-hangzhou1", "Market", "market.aliyuncs.com");

    IClientProfile profile = DefaultProfile.getProfile("cn-hangzhou1","your access key","your secret");

    IAcsClient client = new DefaultAcsClient(profile);

    PushMeteringDataRequest request = new PushMeteringDataRequest();

    request.setActionName("PushMeteringData");

    request.setAcceptFormat(FormatType.JSON);

    request.setMethod(MethodType.POST);

    request.setVersion("2015-11-01");

    request.setMetering(JSON.toJSONString(meteringDataList));

    PushMeteringDataResponse response = client.getAcsResponse(request);

    System.out.println("result output:" + JSON.toJSONString(response));

    assert (response.getSuccess());

} catch (ClientException e) {

    e.printStackTrace();

}