

摔倒检测接口文档V2.0.0.0

在阅读该文档前，请先阅读HTTP公共接口文档，该文档详细讲述了如何将设备的http协议接入到第三方平台。

在完成设备与第三方http服务平台的建立之后，设备侧的技能产生的结构化数据就会主动上报第三方平台，平台端通过分析http的url即可获取到技能的结构化数据，每个技能的结构化数据内容会有所不同。

接口功能:

通过HTTP协议，设备主动调用该接口，向第三方平台上传人员摔倒行为记录数据，第三方平台在接收到数据后进行解析，并回复解析的结果到设备，结构化数据格式为JSON格式。

HTTP协议请求示例:

POST <http://ip:port/dataPush/DataReportCB> #这是默认url方式，修改url方式请参考HTTP公共接口文档，该接口由第三方平台客户开发，用来区分不同的http的post请求。

请求参数:

参数	类型	是否必选	定义	备注
wsKey	String	Y	"eventCreateOptimize"	上报事件的key类型，主要用于区分旧版本，最新版本为"eventCreateOptimize"
message	Object	Y		消息体
+requestTime	Long	Y	时间	上报时的时间戳、单位毫秒
+deviceInfo	Object	Y	设备信息	设备信息
++id	string	Y	设备序列号	设备序列号
++name	string	Y	设备名称	
++uuid	string	Y	设备唯一识别码	唯一区分一个设备
+netInfo	List<Object>	Y	网络信息	
++mac	string	Y	MAC地址	若有多个网卡，使用当前网卡作为候选
++ip	string	Y	IP地址	若有多个网卡，使用当前网卡作为候选
++gateway	string	Y	网关	

13	++netmask	string	Y	子网掩码	
14	++dns	string	Y	网络dns	
15	+channelInfo	Object	Y	通道信息	
16	++channel	int	Y	通道号	上报信息来自哪一个通道
17	++name	string	Y	通道名称	
18	++comment	string	Y	通道备注	
19	+skillInfo	Object	Y	技能信息	
20	++id	string	Y	技能id	
21	++name	string	Y	技能名字	
22	++version	string	Y	技能版本	四位版本信息
23	+data	Object	Y	数据消息体	
24	++preWarn	String	Y	预警类型	
25	++timestamp	Long	Y	时间戳	事件产生时间、单位毫秒
26	++bg	String	Y	原图base64数据	
27	++bgWidth	int	Y	背景图片宽度	
28	++bgHeight	int	Y	背景图片高度	
29	++frameIndex	Long	Y	帧序号	
30	++linkId	string	Y	目标关联ID	相同目标类型该关联ID唯一
31	++normalized	int	Y	是否归一化坐标	1表示归一化, 0表示未归一化, 归一化坐标为float, 例如0.98, 未归一化坐标为int, 无特殊需求采用非归一化坐标
32	++style	object	Y	字体等风格	该字段保留用作渲染
33	+++strokeWidth	int	Y	字段宽度	
34	+++color	string	Y	颜色	
35	+++renderType	int	Y	默认写1	
36	++regionInfo	List<Object>	Y	不规则区域信息	包括分析区域、屏蔽区域和越线区域
37	+++type	string	Y	区域类型	分为分析区域、屏蔽区域和划线, analysis_area分析区域, shield_area屏蔽区域, cross_line越线区域
39	+++id	string	Y	区域id	区域id (自动产生)
40	+++name	string	Y	区域名称	区域名称 (用户编辑、可以填写区域编号)

41	+++locations	List<Object>	Y	坐标信息	分析/屏蔽区域坐标信息
42	++++x	int	Y	x坐标	每个点x的坐标
43	++++y	int	Y	y坐标	每个点y的坐标
44	++targetBasicInfo	List<Object>	Y	目标相关信息	
45	+++properties	List<Object>	Y	属性信息	
46	++++key	string	Y	属性字段	
47	++++desc	string	Y	汉字描述	
48	++++value	string	Y	属性字段对应的值	
49	+++traceld	string	N	跟踪id	与检测框一致的跟踪id
50	+++location	Object	N	目标坐标信息	检测人体框的非归一化坐标
51	++++left	int	N	左上角横坐标	
52	++++top	int	N	左上角纵坐标	
53	++++width	int	N	区域宽度	
54	++++height	int	N	区域高度	
55	++regionId	string	N	目标所属区域Id	该id用于查找目标是属于分析区域还是屏蔽区域, 若没有设置分析区域, 则该字段不存在
56	+++img	string	N	抓拍图片base64数据	只针对人机非技能, 当前为空, 保留
57	+++avatar	string	N	底库照片base64数据	只针对人机非技能, 当前为空, 保留
58	++eventDesc	String	Y	事件描述	行为检测情况, 例如: "人员跌倒"
	++dynamicInfo	string	N	技能输出变动信息	用于特殊需求扩展, 当前为空, 保留

properties字段JSON格式填充说明:

1	参数	类型	是否必选	定义	备注
2	confidence	int	Y	摔倒置信度	

请求示例:

bFpIPan6JHixhHotU3cT3NFe1OpAMUtIq4UDrRg0oHNK5RI01FA6UuKVih60tAGBRRYm42kPS1pDSKuQSDai
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```

10     "bgHeight": 1080,
11     "bgWidth": 1920,
12     "dynamicInfo": "",
13     "eventDesc": "人员跌倒;置信度:90",
14     "frameIndex": 62228,
15     "linkId": "e0d99dd5-4f03-4094-b58a-54a241439094",
16     "normalized": 0,
17     "preWarn": "pre_fall_detection",
18     "regionInfo": [
19     ],

```

```
20     "style": {
21       "color": "RED",
22       "renderType": 1,
23       "strokeWidth": 3
24     },
25     "targetBasicInfo": [
26       {
27         "avatar": "",
28         "img": "",
29         "traceId": "adsfdg",
30         "properties": [
31           {
32             "desc": "人员摔倒置信度",
33             "key": "confidence",
34             "value": "90"
35           }
36         ]
37       }
38     ],
39     "timestamp": 1668758407041
40   },
41   "deviceInfo": {
42     "id": "DMB2160FGC21F00013",
43     "name": "NEW-BOX",
44     "uuid": "DMB2160FGC21F00013"
45   },
46   "netInfo": [
47     {
48       "dns": "8.8.8.8",
49       "gateway": "192.168.1.158",
50       "ip": "192.168.1.114",
51       "mac": "48:B0:2D:38:4B:22",
52       "netmask": "255.255.255.0"
53     }
54   ],
55   "requestTime": 1668758407109,
56   "skillInfo": {
57     "id": "fall_detection",
58     "name": "摔倒检测",
59     "version": "2.0.0.0"
60   },
61 },
62 "wsKey": "eventCreateOptimize"
```

```
63 }
```

服务返回示例

```
</>
```

JSON | 收起 ^

```
1 {  
2   "ws_key": "eventCreateOptimizeResult",  
3   "code": 0,  
4   "message": "success",  
5   "timestamp": 1655519400  
6 }
```