



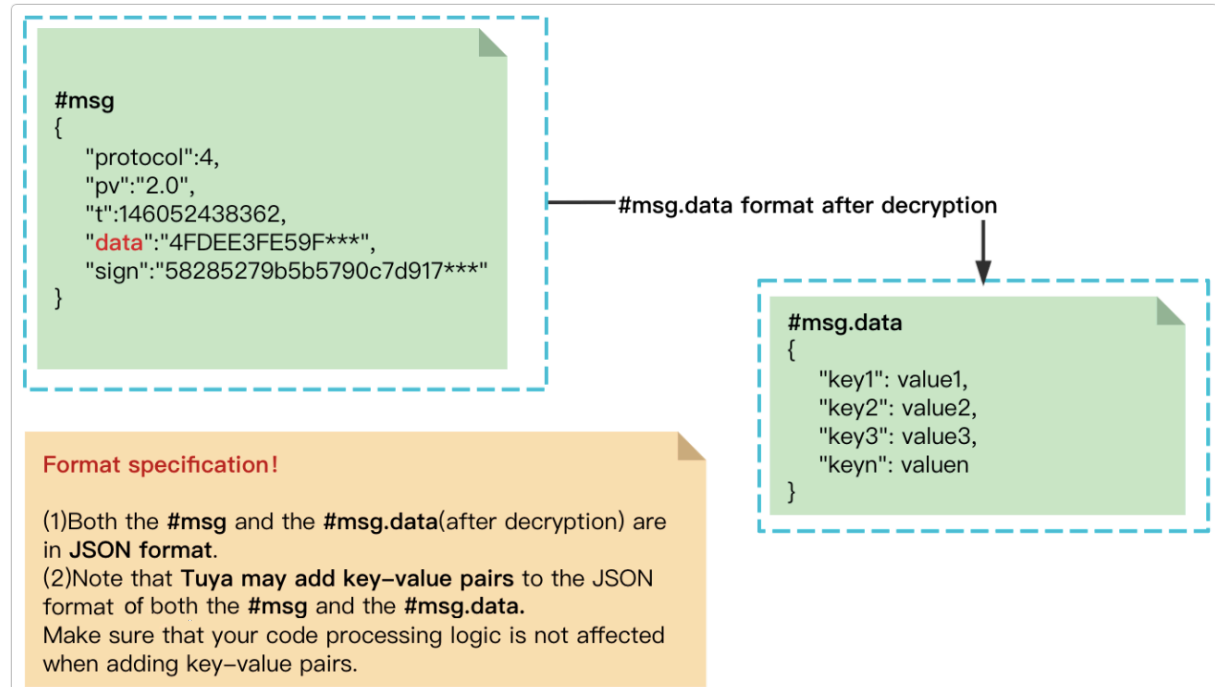
Message Types

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Contents

1	Data format	1
2	Business data	2
2.1	Protocol number	2
2.2	Report device status data	2
2.3	Go online	4
2.4	Go offline	4
2.5	Modify a device name	5
2.6	Modify the name of a data point	5
2.7	Bind a device with a user account	6
2.8	Remove a device	7
2.9	Update the device status	7
2.10	Execute a scene	9
2.11	Send an outdoor alert message	10
2.12	Suspend the IoT SIM card	11
2.13	Send data usage alerts of the IoT SIM card	11
2.14	Send voice prompts	12
2.15	Reset a third-party speaker	13
2.16	Change data of custom FAQs	14
2.17	Send check-in events	15
2.18	Send check-out events	15

1 Data format



2 Business data

2.1 Protocol number

Different protocol numbers stand for different features.

Protocol number	Description
4	Report device status data
20	Go online
20	Go offline
20	Modify a device name
20	Modify the name of a data point
20	Bind a device with a user account
20	Remove a device
20	Update the device status.
25	Execute a scene
40	Send an outdoor alert message
43	Suspend the IoT SIM card
43	Send data usage alerts of the IoT SIM card
45	Send voice prompts
45	Reset a third-party speaker
45	Change data of custom FAQs
46	Send check-in events
46	Send check-out events

2.2 Report device status data

- Description of [data](#)

code	Data type	Description
dataId	String	The unique ID of the reported data, which has no business meaning.
devId	String	The device ID.
productKey	String	The product ID.
status	List<StatusItem>	The list of the reported device status data this time.

- Description of [StatusItem](#)

code	Data type	Description
code	String	The code of a specified device status.
value	Object	The status value of the code of a specified device status.
t	Long	The 13-digit timestamp when the device status is reported.
"{dpId}"	String	"Data point ID (the data point ID in product definition)" :
: "{dp-Value}"	String	"Value of data point" , You can refer to the product definition.

- Example

```

1  {
2    "dataId": "AAXI3c1i6xxx***",
3    "devId": "6c95a93fd9xxx***",
4    "productKey": "awgmK9p1xxx***",
5    "status": [
6      {
7        "code": "switch_1",
8        "value": false,
9        "t": 1628229842692,
10       "1": "false"
11     }
12   ]
13 }

```

2.3 Go online

- Description of `bizData`

code	Data type	Description
time	Long	The timestamp.

- Example

```
1  ```json
2  {
3    "devId": "002dj00118fe34d9****",
4    "productKey": "The product key defined on the Tuya IoT Development
5    Platform",
6    "bizCode": "online",
7    "bizData": {
8      "time": 146052438362
9    }
10 }
11 ```
```

2.4 Go offline

- Description of `bizData`

code	Data type	Description
time	Long	The timestamp.

- Example

```

1  {
2    "devId": "002dj00118fe34d9****",
3    "productKey": "The product key defined on the Tuya IoT
   Developme
4 nt Platform",
5    "bizCode": "offline",
6    "bizData": {
7      "time": 146052438362
8    }
9  }

```

2.5 Modify a device name

- Description of `bizData`

code	Data type	Description
devId	String	The device ID.
name	String	The device name.

- Example

```

1  ```json
2  {
3    "devId": "002dj00118fe34d9****",
4    "productKey": "The product key defined on the Tuya IoT Development
5 Platform",
6    "bizCode": "nameUpdate",
7    "bizData": {
8      "devId": "002dj00118fe34d9****",
9      "name": "new name"
10   }
11 }
12 ```

```

2.6 Modify the name of a data point

- Description of `bizData`

code	Data type	Description
devId	String	The device ID.
name	String	The name of a specified data point.
dpId	String	The ID of a specified data point.

- Example

```
1  ``json
2  {
3    "devId": "002dj00118fe34d9****",
4    "productKey": "The product key defined on the Tuya IoT Development
5 Platform",
6    "bizCode": "dpNameUpdate",
7    "bizData": {
8      "devId": "002dj00118fe34d9****",
9      "name": "new name",
10     "dpId": "dpId"
11   }
12 }
13 ``
```

2.7 Bind a device with a user account

- Description of `bizData`

	Data	
code	type	Description
devId	String	The device ID.
uuid	String	The universally unique identifier (UUID) of a specified device.
uid	String	The user ID bound with the device.
token	String	The device pairing token.

- Example


```

1 {
2   "devId": "002dj00118fe34d9****",
3   "productKey": "The product key defined on the Tuya IoT
   Development
4   Platform",
5   "bizCode": "bindUser",
6   "bizData": {
7     "devId": "002dj00118fe34d9****",
8     "uuid": "06200043b4e618c1****",
9     "uid": "ay1529485403390****",
10    "token": "IIPQ****"
11  }
12 }

```

2.8 Remove a device

- Description of `bizData`

code	Data type	Description
devId	String	The device ID.
uid	String	The user ID bound with the device.

- Example

```

1 {
2   "devId": "002dj00118fe34d9****",
3   "productKey": "The product key defined on the Tuya IoT
   Development
4   Platform",
5   "bizCode": "delete",
6   "bizData": {
7     "devId": "002dj00118fe34d9****",
8     "uid": "ay1529485403390S****"
9   }
10 }

```

2.9 Update the device status

- Description of `bizData`

code	Data type	Description
devId	String	The device ID.
moduleType	Int	The types of the modules. Valid values:
		0: Wi-Fi
		1: Bluetooth LE
		2: GPRS
upgradeStatus	Int	The update status. Valid values:
		1: Prepare to update.
		2: Updating.
		3: Update is completed.
		4: An exception occurs during an update process.
		7: Timeout.
description	String	The description of an update.
oldVersion	String	The earlier firmware.
newVersion	String	The later firmware.

- Example

```

1  {
2      "bizCode": "upgradeStatus",
3      "bizData": {
4          "devId": "6ca8756d*****1b4ewsdn",
5          "moduleType": 0,
6          "upgradeStatus": 2,
7          "description": "Update test",
8          "oldVersion": "1.0.1",
9          "newVersion": "1.0.2"
10     },
11     "devId": "6ca8756d*****1b4ewsdn",
12     "productKey": "vFHpaEFwu8UD****",
13     "ts": 1562232522192
14 }

```

2.10 Execute a scene

- Description of `bizData`

code	Data type	Description
name	String	The name of a specified scene.
id	String	The ID of a specified scene.
gid	Long	The ID of a specified home.
uid	String	The user ID (UID) who adds a scene.
ts	Long	The timestamp of message delivery.
actions.entityId	String	The entity ID.
actions.execStatus	Integer	The status of the action. Valid values: -1: default 0: failure 1: success 2: to be executed 3: no execution is required
actions.executeTime	Long	The timestamp of execution.
actions.id	String	The action ID.
actions.errorMsg	String	The error message.

- Example

```

1  ```json
2  {
3    "bizData":{
4      "name":"Switch-On",
5      "id":"azmQ2w8kPSCdcr***",
6      "actions":[
7        {
8          "entityId":"02167073cc****",
9          "execStatus":1,
10         "executeTime":1625798044277,
11         "id":"1jPxz3zaNdL****"
12       }
13     ]
14   },
15   "gid":37081***,
16   "uid":"ay1622715182388N****",
17   "ts":1625798044298
18 }
19 ```

```

2.11 Send an outdoor alert message

- Description of `bizData`

	Data	
code	type	Description
automat	String	The ID of a specified automation scene.
bizData	JSON	The custom data, to be used with <code>POST/v1.0/homes/{home_id}/automations/{automation_id}/conditions/trigger</code> .

- Example

```

1  {
2    "automationId":"Rc5XAKLSmwpXH****",
3    "bizCode":"automationExternalAction",
4    "bizData":{
5      "code":"mode",
6      "value":2,
7      "operator":"=="
8    }
9  }

```

2.12 Suspend the IoT SIM card

- Description of `bizData`

code	Data type	Description
iccid	String	The ID of a specified IoT SIM card.
deviceId	String	The device ID.
uid	String	The user ID.
pid	String	The product ID.
stopReason	String	Reasons for suspending the IoT SIM card. Valid values: <code>PACKAGE_EXHAUSTED</code> : The data is used up. <code>EXPIRE_PACKAGE</code> : The package has expired. <code>INVOKE:****</code> : It is called by the requesting party. <code>UNBIND_PACKAGE</code> : The package has been unbound. <code>UNSUBSCRIBE_PACKAGE</code> : The package has been unsubscribed.
reportTime	Long	The timestamp when the data is reported.

- Example

```
1  {
2    "bizCode": "simStop",
3    "bizData": {
4      "iccid": "****",
5      "deviceId": "****",
6      "uid": "****",
7      "pid": "****",
8      "stopReason": "FLOW_OUT",
9      "reportTime": 1620896040128
10   },
11   "ts": 1625798044298
12 }
```

2.13 Send data usage alerts of the IoT SIM card

- Description of `bizData`

code	Data type	Description
iccid	String	The ID of a specified IoT SIM card.
deviceId	String	The device ID.
uid	String	The user ID.
pid	String	The product ID.
totalFlowAmount	String	The total available data amount.
usedFlowAmount	String	The amount of used data.
reportTime	Long	The timestamp when the data is reported.

- Example

```
1  {
2    "bizCode":"simLimitAlarm",
3    "bizData":{
4      "iccid": "xxxx",
5      "deviceId": "xxxx",
6      "uid": "xxxx",
7      "pid": "xxxx",
8      "totalFlowAmount": 10240,
9      "usedFlowAmount": 1024,
10     "reportTime": 1620896040128
11   },
12   "ts":1625798044298
13 }
```

2.14 Send voice prompts

- Description of `bizData`

code	Data type	Description
brandCode	String	The brand code of the speaker.
voicId	String	The device ID of the speaker.
command	Array	The command.

- Description of `command`

	Data	
code	type	Description
intent	String	The intention. For example, <code>welcome</code> can be used for showing welcome.
content	Object	The content of a command.

- Description of `content`

code	Data type	Description
value	String	The content for voice alert.

- Example

```
1  ```json
2  {
3      "bizCode": "textToSpeech",
4      "bizData": {
5          "brandCode": "abc*****",
6          "voiceId": "def*****",
7          "command": [{
8              "intent": "welcome",
9              "content": {
10                 "value": "Welcome to our hotel"
11             }
12          }]
13      },
14      "ts": 1636682568127
15  }
16  ```
```

2.15 Reset a third-party speaker

- Message description

When a third-party speaker is unbound or a guest checks out, the voice platform will clear the usage history or the cache.

- Description of `bizData`

code	Data type	Description
brandCode	String	The brand code of the speaker.
voiceId	String	The device ID of the speaker.

- Example

```
1  {
2    "bizCode": "reset",
3    "bizData": {
4      "brandCode": "abc*****",
5      "voiceId": "def*****"
6    },
7    "ts": 1636682568127
8  }
```

2.16 Change data of custom FAQs

- Description of `bizData`

code	Data type	Description
spaceId	String	The ID of a specified space.
brandCodeList	List	The code list of the speaker brand.

- Example

```
1  {
2    "bizCode": "customQAChange",
3    "bizData": {
4      "spaceId": "123*****",
5      "brandCodeList": ["abc*****", "def*****"]
6    },
7    "ts": 1636682568127
8  }
```


2.17 Send check-in events

- Description of `bizData`

code	Data type	Description
hotel_code	String	The unique code of a specified hotel in the property management system (PMS).
customer_id	String	The user ID.
start_time	Long	The timestamp when a stay in the hotel starts.
end_time	Long	The timestamp when a stay in the hotel ends.
current_room_	String[]	The multi-level path associated with the current room.

- Example

```
1 {
2   "bizCode": "hotelPmsCustomerCheckin",
3   "bizData": {
4     "hotel_code": "xxxx",
5     "customer_id": "xxxx",
6     "start_time": 1655287277055,
7     "end_time": 1663236077000,
8     "current_room_path": [
9       "Building 1",
10      "Unit 1",
11      "Floor 6",
12      "603"
13    ]
14  },
15  "ts": 1638943452529
16 }
```

2.18 Send check-out events

- Description of `bizData`

code	Data type	Description
hotel_code	String	The unique code of a specified hotel in the property management system (PMS).
customer_id	String	The user ID.
start_time	Long	The timestamp when a stay in the hotel starts.
end_time	Long	The timestamp when a stay in the hotel ends.
current_room_	String[]	The multi-level path associated with the current room.

- Example

```
1 {
2   "bizCode": "hotelPmsCustomerCheckout",
3   "bizData": {
4     "hotel_code": "*****",
5     "customer_id": "*****",
6     "start_time": 1655287277055,
7     "end_time": 1663236077000,
8     "current_room_path": [
9       "Building 1",
10      "Unit 1",
11      "Floor 6",
12      "603"
13    ]
14  },
15  "ts": 1638943452529
16 }
```