RSPC 服务API规范V1.1

**Revision History**

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|  |  |  |  |

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# 登录

## 登录认证

### Request

|  |  |
| --- | --- |
| **HTTP Method** | **URL** |
| Get | …{hostname}/rspc/v1/api/login?token=XXXXXXXXXXXXXXX |

|  |  |
| --- | --- |
| **参数** | **Description** |
| token | 必要参数。用户认证用到的token，由前端调用认证模块jar包生成。 |
|  |  |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | Login Success |
| 403 | Access Forbidden |
| 500 | Internal Server Error |

在RSPC Rest Api V1.1版本中，服务器加入了用户认证功能，因此在V1.0版本的api基础上，每一条http请求都需要在url中将token作为查询参数上传。

# 配置管理

## 查询配置

### Request

|  |  |
| --- | --- |
| **HTTP Method** | **URL** |
| Get | …{hostname}/rspc/v1/api/configure?token=XXXXXXXXXXXXXXX |

|  |  |
| --- | --- |
| **参数** | **Description** |
| token | 必要参数。用户认证用到的token，由前端调用认证模块jar包生成。 |
|  |  |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | (Json content, to be done) |
|  | {  "topo": {  "numberOfWorkers": 1,  "maxSpoutPending": 100,  "spoutConfig": {  "topic": "general\_rspc\_topic",  "server": "192.168.0.13:6667",  "groupid": "rspcgroupid",  "serializer": "kafka.serializer.StringEncoder",  "id": "KAFKA",  "maxTaskParallelism": 1,  "numberTasks": 2  },  "ruleBoltConfig": {  "id": "RULE",  "maxTaskParallelism": 1,  "numberTasks": 2  },  "topoName": "RSPC\_STREAM\_CORE"  },  "zkConfig": {  "servers": "192.168.0.13:2181",  "zookeeperServers": "192.168.0.13",  "brokerPath": "/brokers",  "stormzkpath": "/stormzk/rspc\_topo",  "port": 2181  },  "stormServer": "localhost",  "stormUiServer": "http://localhost:8744/index.html",  "stormDRPCServer": "localhost"  } |
| 500 | Internal Server Error |
| 403 | Access Forbidden |

## 修改配置

|  |  |
| --- | --- |
| **HTTP Method** | **URL** |
| put | …{hostname}/rspc/v1/api/configure?token=XXXXXXXXXXXXXXX |

### Request

|  |  |
| --- | --- |
| **Params** | **Description** |
| token | 必要参数。用户认证用到的token，由前端调用认证模块jar包生成。 |
| Content-Type | Application/Json |
| Body | {  "topo": {  "numberOfWorkers": 1,  "maxSpoutPending": 100,  "spoutConfig": {  "topic": "general\_rspc\_topic",  "server": "192.168.0.13:6667",  "groupid": "rspcgroupid",  "serializer": "kafka.serializer.StringEncoder",  "id": "KAFKA",  "maxTaskParallelism": 1,  "numberTasks": 2  },  "ruleBoltConfig": {  "id": "RULE",  "maxTaskParallelism": 1,  "numberTasks": 2  },  "topoName": "RSPC\_STREAM\_CORE"  },  "zkConfig": {  "servers": "192.168.0.13:2181",  "zookeeperServers": "192.168.0.13",  "brokerPath": "/brokers",  "stormzkpath": "/stormzk/rspc\_topo",  "port": 2181  },  "stormServer": "localhost",  "stormUiServer": "http://localhost:8744/index.html",  "stormDRPCServer": "localhost"  } |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | 更新成功 |
|  | {  "topo": {  "numberOfWorkers": 1,  "maxSpoutPending": 100,  "spoutConfig": {  "topic": "general\_rspc\_topic",  "server": "192.168.0.13:6667",  "groupid": "rspcgroupid",  "serializer": "kafka.serializer.StringEncoder",  "id": "KAFKA",  "maxTaskParallelism": 1,  "numberTasks": 2  },  "ruleBoltConfig": {  "id": "RULE",  "maxTaskParallelism": 1,  "numberTasks": 2  },  "topoName": "RSPC\_STREAM\_CORE"  },  "zkConfig": {  "servers": "192.168.0.13:2181",  "zookeeperServers": "192.168.0.13",  "brokerPath": "/brokers",  "stormzkpath": "/stormzk/rspc\_topo",  "port": 2181  },  "stormServer": "localhost",  "stormUiServer": "http://localhost:8744/index.html",  "stormDRPCServer": "localhost"  } |
| 400 | Update failed |
| 400 | Bad Json |
| 403 | Access Forbidden |

## 创建配置

### Request

|  |  |
| --- | --- |
| **HTTP Method** | **URL** |
| Post | …{hostname}/rspc/v1/api/configure?token=XXXXXXXXXXXXXXX |

|  |  |
| --- | --- |
| **Params** | **Description** |
| token | 必要参数。用户认证用到的token，由前端调用认证模块jar包生成。 |
| Content-Type | application/json |
| Body | {  "topo": {  "numberOfWorkers": 1,  "maxSpoutPending": 100,  "spoutConfig": {  "topic": "general\_rspc\_topic",  "server": "192.168.0.13:6667",  "groupid": "rspcgroupid",  "serializer": "kafka.serializer.StringEncoder",  "id": "KAFKA",  "maxTaskParallelism": 1,  "numberTasks": 2  },  "ruleBoltConfig": {  "id": "RULE",  "maxTaskParallelism": 1,  "numberTasks": 2  },  "topoName": "RSPC\_STREAM\_CORE"  },  "zkConfig": {  "servers": "192.168.0.13:2181",  "zookeeperServers": "192.168.0.13",  "brokerPath": "/brokers",  "stormzkpath": "/stormzk/rspc\_topo",  "port": 2181  },  "stormServer": "localhost",  "stormUiServer": "http://localhost:8744/index.html",  "stormDRPCServer": "localhost"  } |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 201 | 创建成功 |
|  | {  "topo": {  "numberOfWorkers": 1,  "maxSpoutPending": 100,  "spoutConfig": {  "topic": "general\_rspc\_topic",  "server": "192.168.0.13:6667",  "groupid": "rspcgroupid",  "serializer": "kafka.serializer.StringEncoder",  "id": "KAFKA",  "maxTaskParallelism": 1,  "numberTasks": 2  },  "ruleBoltConfig": {  "id": "RULE",  "maxTaskParallelism": 1,  "numberTasks": 2  },  "topoName": "RSPC\_STREAM\_CORE"  },  "zkConfig": {  "servers": "192.168.0.13:2181",  "zookeeperServers": "192.168.0.13",  "brokerPath": "/brokers",  "stormzkpath": "/stormzk/rspc\_topo",  "port": 2181  },  "stormServer": "localhost",  "stormUiServer": "http://localhost:8744/index.html",  "stormDRPCServer": "localhost"  } |
| 400 | Cannot create resource! Configuration Existed! |
| 400 | Bad Json |
| 403 | Access Forbidden |

## 删除配置

### Request

|  |  |
| --- | --- |
| **HTTP Method** | **URL** |
| Delete | …{hostname}/rspc/v1/api/configure?token=XXXXXXXXXXXXXXX |

|  |  |
| --- | --- |
| **Params** | **Description** |
|  | 因为现在只有一个配置，所以删除操作可以禁止 |
|  |  |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 204 | 删除成功 |
| 400 | 删除失败，禁止删除配置 |
| 403 | Access Forbidden |

# 规则管理

## 查询规则

### Request

|  |  |
| --- | --- |
| **HTTP Method** | **URL** |
| Get | ..{hostname}/rspc/v1/api/rules?token=XXXXXXXXXXXXXXX |

|  |  |
| --- | --- |
| **Params** | **Description** |
| token | 必要参数。用户认证用到的token，由前端调用认证模块jar包生成。 |
|  |  |
|  |  |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | 查询成功 (sample) |
|  | {"rules":"package com.sample\nimport java.util.Map;\nimport com.asiainfo.rspc.stream.actions.PersistToDBAction;\n \nrule \"CHECK\_RULE\_DONOTHING\"\n when\n $map:Map(this[\"temperature\"] \u003d\u003d \"20\")\n then\n System.out.println(\"worked,the temperature is 20\"); \nend\n\nrule \"CHECK\_RULE\_HUMDITY\"\n when\n $map:Map(this[\"humidity\"] \u003d\u003d \"100\")\n then\n PersistToDBAction action\u003dnew PersistToDBAction(); \n action.run($map,\"CHECK\_RULE\_HUMDITY\") ; \nend\n\nrule \"CHECK\_RULE\_TEMPERATURE\"\n when\n $map:Map(this[\"temperature\"] \u003d\u003d \"60\")\n then \n\t PersistToDBAction action\u003dnew PersistToDBAction();\n\t action.run($map,\"CHECK\_RULE\_TEMPERATURE\"); \n end\n \n\nrule \"CHECK\_RULE\_DRIVESPEED\"\n when\n $map:Map(Double.parseDouble(this[\"speed\"]) \u003e\u003d 150)\n then\n PersistToDBAction action\u003dnew PersistToDBAction(); \n action.run($map,\"CHECK\_RULE\_DRIVESPEED\"); \nend\n\nrule \"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION\"\n when\n $map:Map(Double.parseDouble(this[\"speed\"]) \u003e\u003d 100, this[\"location\"] \u003d\u003d \"beijing\")\n then\n PersistToDBAction action\u003dnew PersistToDBAction(); \n action.run($map,\"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION\"); \nend\n"} |
| 500 | Internal Server Error |
| 403 | Access Forbidden |

## 更新规则

### Request

|  |  |
| --- | --- |
| **HTTP Method** | **URL** |
| put | ..{hostname}/rspc/v1/api/rules?token=XXXXXXXXXXXXXXX |

|  |  |
| --- | --- |
| **Params** | **Description** |
| token | 必要参数。用户认证用到的token，由前端调用认证模块jar包生成。 |
| Content-Type | application/json |
| Body | {"rules":"package com.sample\nimport java.util.Map;\nimport com.asiainfo.rspc.stream.actions.PersistToDBAction;\n \nrule \"CHECK\_RULE\_DONOTHING\"\n when\n $map:Map(this[\"temperature\"] \u003d\u003d \"20\")\n then\n System.out.println(\"worked,the temperature is 20\"); \nend\n\nrule \"CHECK\_RULE\_HUMDITY\"\n when\n $map:Map(this[\"humidity\"] \u003d\u003d \"100\")\n then\n PersistToDBAction action\u003dnew PersistToDBAction(); \n action.run($map,\"CHECK\_RULE\_HUMDITY\") ; \nend\n\nrule \"CHECK\_RULE\_TEMPERATURE\"\n when\n $map:Map(this[\"temperature\"] \u003d\u003d \"60\")\n then \n\t PersistToDBAction action\u003dnew PersistToDBAction();\n\t action.run($map,\"CHECK\_RULE\_TEMPERATURE\"); \n end\n \n\nrule \"CHECK\_RULE\_DRIVESPEED\"\n when\n $map:Map(Double.parseDouble(this[\"speed\"]) \u003e\u003d 150)\n then\n PersistToDBAction action\u003dnew PersistToDBAction(); \n action.run($map,\"CHECK\_RULE\_DRIVESPEED\"); \nend\n\nrule \"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION\"\n when\n $map:Map(Double.parseDouble(this[\"speed\"]) \u003e\u003d 100, this[\"location\"] \u003d\u003d \"beijing\")\n then\n PersistToDBAction action\u003dnew PersistToDBAction(); \n action.run($map,\"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION\"); \nend\n"} |

Http post payload should contain the data source content need to be updated.

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | 更新成功 |
|  | {"rules":"package com.sample\nimport java.util.Map;\nimport com.asiainfo.rspc.stream.actions.PersistToDBAction;\n \nrule \"CHECK\_RULE\_DONOTHING\"\n when\n $map:Map(this[\"temperature\"] \u003d\u003d \"20\")\n then\n System.out.println(\"worked,the temperature is 20\"); \nend\n\nrule \"CHECK\_RULE\_HUMDITY\"\n when\n $map:Map(this[\"humidity\"] \u003d\u003d \"100\")\n then\n PersistToDBAction action\u003dnew PersistToDBAction(); \n action.run($map,\"CHECK\_RULE\_HUMDITY\") ; \nend\n\nrule \"CHECK\_RULE\_TEMPERATURE\"\n when\n $map:Map(this[\"temperature\"] \u003d\u003d \"60\")\n then \n\t PersistToDBAction action\u003dnew PersistToDBAction();\n\t action.run($map,\"CHECK\_RULE\_TEMPERATURE\"); \n end\n \n\nrule \"CHECK\_RULE\_DRIVESPEED\"\n when\n $map:Map(Double.parseDouble(this[\"speed\"]) \u003e\u003d 150)\n then\n PersistToDBAction action\u003dnew PersistToDBAction(); \n action.run($map,\"CHECK\_RULE\_DRIVESPEED\"); \nend\n\nrule \"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION\"\n when\n $map:Map(Double.parseDouble(this[\"speed\"]) \u003e\u003d 100, this[\"location\"] \u003d\u003d \"beijing\")\n then\n PersistToDBAction action\u003dnew PersistToDBAction(); \n action.run($map,\"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION\"); \nend\n"} |
| 400 | Update failed |
| 403 | Access Forbidden |

## 创建规则

### Request

|  |  |
| --- | --- |
| **HTTP Method** | **URL** |
| Post | ..{hostname}/rspc/v1/api/rules?token=XXXXXXXXXXXXXXX |

|  |  |
| --- | --- |
| **Params** | **Description** |
| token | 必要参数。用户认证用到的token，由前端调用认证模块jar包生成。 |
| Content-Type | application/json |
| Body | {"rules":"package com.sample\nimport java.util.Map;\nimport com.asiainfo.rspc.stream.actions.PersistToDBAction;\n \nrule \"CHECK\_RULE\_DONOTHING\"\n when\n $map:Map(this[\"temperature\"] \u003d\u003d \"20\")\n then\n System.out.println(\"worked,the temperature is 20\"); \nend\n\nrule \"CHECK\_RULE\_HUMDITY\"\n when\n $map:Map(this[\"humidity\"] \u003d\u003d \"100\")\n then\n PersistToDBAction action\u003dnew PersistToDBAction(); \n action.run($map,\"CHECK\_RULE\_HUMDITY\") ; \nend\n\nrule \"CHECK\_RULE\_TEMPERATURE\"\n when\n $map:Map(this[\"temperature\"] \u003d\u003d \"60\")\n then \n\t PersistToDBAction action\u003dnew PersistToDBAction();\n\t action.run($map,\"CHECK\_RULE\_TEMPERATURE\"); \n end\n \n\nrule \"CHECK\_RULE\_DRIVESPEED\"\n when\n $map:Map(Double.parseDouble(this[\"speed\"]) \u003e\u003d 150)\n then\n PersistToDBAction action\u003dnew PersistToDBAction(); \n action.run($map,\"CHECK\_RULE\_DRIVESPEED\"); \nend\n\nrule \"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION\"\n when\n $map:Map(Double.parseDouble(this[\"speed\"]) \u003e\u003d 100, this[\"location\"] \u003d\u003d \"beijing\")\n then\n PersistToDBAction action\u003dnew PersistToDBAction(); \n action.run($map,\"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION\"); \nend\n"} |

Http post payload should contain the data connection info need to be added.

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 201 | 创建成功 |
|  | {"rules":"package com.sample\nimport java.util.Map;\nimport com.asiainfo.rspc.stream.actions.PersistToDBAction;\n \nrule \"CHECK\_RULE\_DONOTHING\"\n when\n $map:Map(this[\"temperature\"] \u003d\u003d \"20\")\n then\n System.out.println(\"worked,the temperature is 20\"); \nend\n\nrule \"CHECK\_RULE\_HUMDITY\"\n when\n $map:Map(this[\"humidity\"] \u003d\u003d \"100\")\n then\n PersistToDBAction action\u003dnew PersistToDBAction(); \n action.run($map,\"CHECK\_RULE\_HUMDITY\") ; \nend\n\nrule \"CHECK\_RULE\_TEMPERATURE\"\n when\n $map:Map(this[\"temperature\"] \u003d\u003d \"60\")\n then \n\t PersistToDBAction action\u003dnew PersistToDBAction();\n\t action.run($map,\"CHECK\_RULE\_TEMPERATURE\"); \n end\n \n\nrule \"CHECK\_RULE\_DRIVESPEED\"\n when\n $map:Map(Double.parseDouble(this[\"speed\"]) \u003e\u003d 150)\n then\n PersistToDBAction action\u003dnew PersistToDBAction(); \n action.run($map,\"CHECK\_RULE\_DRIVESPEED\"); \nend\n\nrule \"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION\"\n when\n $map:Map(Double.parseDouble(this[\"speed\"]) \u003e\u003d 100, this[\"location\"] \u003d\u003d \"beijing\")\n then\n PersistToDBAction action\u003dnew PersistToDBAction(); \n action.run($map,\"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION\"); \nend\n"} |
| 400 | Cannot create resource! Rule Existed! |
| 403 | Access Forbidden |

## 删除规则

### Request

|  |  |
| --- | --- |
| **HTTP Method** | **URL** |
| DELETE | ..{hostname}/rspc/v1/api/rules |

|  |  |
| --- | --- |
| **Params** | **Description** |
|  | 这个版本可以禁止删除规则定义，只能更新 |
|  |  |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 204 | 删除成功 |
| 400 | Bad Request |
| 403 | Access Forbidden |

# 数据模式管理

## 查询Schema

### Request

|  |  |
| --- | --- |
| **HTTP Method** | **URL** |
| Get | ..{hostname}/rspc/v1/api/schema?token=XXXXXXXXXXXXXXX |

|  |  |
| --- | --- |
| **Params** | **Description** |
| token | 必要参数。用户认证用到的token，由前端调用认证模块jar包生成。 |
|  |  |
|  |  |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | 查询成功 (sample) |
|  | {“schema”: “time,voltage,speed,temperature,pressure”} |
| 500 | Internal Server Error |
| 403 | Access Forbidden |

## 更新Schema

### Request

|  |  |
| --- | --- |
| **HTTP Method** | **URL** |
| put | ..{hostname}/rspc/v1/api/schema?token=XXXXXXXXXXXXXXX |

|  |  |
| --- | --- |
| **Params** | **Description** |
| token | 必要参数。用户认证用到的token，由前端调用认证模块jar包生成。 |
| Content-Type | application/json |
| Body | {“schema”: “time,voltage,speed,temperature,pressure”} |

Http post payload should contain the data source content need to be updated.

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | 更新成功 |
|  | {“schema”: “time,voltage,speed,temperature,pressure”} |
| 400 | Update failed |
| 403 | Access Forbidden |

## 创建Schema

### Request

|  |  |
| --- | --- |
| **HTTP Method** | **URL** |
| Post | ..{hostname}/rspc/v1/api/schema?token=XXXXXXXXXXXXXXX |

|  |  |
| --- | --- |
| **Params** | **Description** |
| token | 必要参数。用户认证用到的token，由前端调用认证模块jar包生成。 |
| Content-Type | application/json |
| Body | {“schema”: “time,voltage,speed,temperature,pressure”} |

Http post payload should contain the data connection info need to be added.

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 201 | 创建成功 |
|  | {“schema”: “time,voltage,speed,temperature,pressure”} |
| 400 | Cannot create resource! Schema Existed! |
| 403 | Access Forbidden |

## 删除Schema

### Request

|  |  |
| --- | --- |
| **HTTP Method** | **URL** |
| DELETE | ..{hostname}/rspc/v1/api/schema |

|  |  |
| --- | --- |
| **Params** | **Description** |
|  | 这个版本可以禁止删除规则定义，只能更新 |
|  |  |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 204 | 删除成功 |
| 400 | Bad Request |
| 403 | Access Forbidden |

# 事件管理

## 查询事件

### Request

|  |  |
| --- | --- |
| **HTTP Method** | **URL** |
| Get | ..{hostname}/rspc/v1/api/events?token=XXXXXXXXXXXXXXX &rulename=XXX&page\_size=15&page=1 |

|  |  |
| --- | --- |
| **Params** | **Description** |
| token | 必要参数。用户认证用到的token，由前端调用认证模块jar包生成。 |
| rulename | 可选参数。rulename filter. 默认值为%, 不使用该参数时默认为全部rule |
| page\_size | 可选参数。设置查询分页的大小，默认值为15 |
| page | 可选参数。设置查询的页码数，默认为1 |
| startdate | 可选参数。设置事件查询的开始时间 |
| enddate | 可选参数。设置事件查询的结束时间 |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | 查询成功 (sample) |
|  | {"pageSize":15,"totalPageNumber":2750,"currentPage":1,"events":[{"id":10736,"message":"{\"current\":\"68\",\"wheelpressure\":\"49\",\"temperature\":\"62\",\"humidity\":\"95\",\"location\":\"beijing\",\"driverName\":\"MR\",\"id\":\"849\",\"crashTrend\":\"no\",\"speed\":\"125\",\"voltage\":\"13\",\"carModel\":\"sports\"}","rulename":"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION","creatdon":"Mar 7, 2017 10:07:41 AM"},{"id":10737,"message":"{\"current\":\"25\",\"wheelpressure\":\"42\",\"temperature\":\"39\",\"humidity\":\"98\",\"location\":\"beijing\",\"driverName\":\"MR\",\"id\":\"852\",\"crashTrend\":\"yes\",\"speed\":\"129\",\"voltage\":\"48\",\"carModel\":\"sports\"}","rulename":"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION","creatdon":"Mar 7, 2017 10:07:41 AM"},{"id":10738,"message":"{\"current\":\"63\",\"wheelpressure\":\"41\",\"temperature\":\"26\",\"humidity\":\"100\",\"location\":\"shanghai\",\"driverName\":\"FF\",\"id\":\"853\",\"crashTrend\":\"yes\",\"speed\":\"92\",\"voltage\":\"13\",\"carModel\":\"truck\"}","rulename":"CHECK\_RULE\_HUMDITY","creatdon":"Mar 7, 2017 10:07:41 AM"},{"id":10739,"message":"{\"current\":\"48\",\"wheelpressure\":\"43\",\"temperature\":\"35\",\"humidity\":\"96\",\"location\":\"beijing\",\"driverName\":\"FR\",\"id\":\"858\",\"crashTrend\":\"yes\",\"speed\":\"112\",\"voltage\":\"21\",\"carModel\":\"sports\"}","rulename":"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION","creatdon":"Mar 7, 2017 10:07:42 AM"},{"id":10740,"message":"{\"current\":\"53\",\"wheelpressure\":\"65\",\"temperature\":\"40\",\"humidity\":\"96\",\"location\":\"beijing\",\"driverName\":\"FR\",\"id\":\"861\",\"crashTrend\":\"no\",\"speed\":\"102\",\"voltage\":\"40\",\"carModel\":\"suv\"}","rulename":"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION","creatdon":"Mar 7, 2017 10:07:42 AM"},{"id":10741,"message":"{\"current\":\"66\",\"wheelpressure\":\"34\",\"temperature\":\"67\",\"humidity\":\"101\",\"location\":\"beijing\",\"driverName\":\"FR\",\"id\":\"864\",\"crashTrend\":\"yes\",\"speed\":\"126\",\"voltage\":\"50\",\"carModel\":\"sports\"}","rulename":"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION","creatdon":"Mar 7, 2017 10:07:42 AM"},{"id":10742,"message":"{\"current\":\"31\",\"wheelpressure\":\"55\",\"temperature\":\"21\",\"humidity\":\"101\",\"location\":\"beijing\",\"driverName\":\"FR\",\"id\":\"868\",\"crashTrend\":\"no\",\"speed\":\"105\",\"voltage\":\"29\",\"carModel\":\"car\"}","rulename":"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION","creatdon":"Mar 7, 2017 10:07:42 AM"},{"id":10743,"message":"{\"current\":\"51\",\"wheelpressure\":\"38\",\"temperature\":\"41\",\"humidity\":\"100\",\"location\":\"beijing\",\"driverName\":\"MR\",\"id\":\"876\",\"crashTrend\":\"yes\",\"speed\":\"116\",\"voltage\":\"16\",\"carModel\":\"car\"}","rulename":"CHECK\_RULE\_HUMDITY","creatdon":"Mar 7, 2017 10:07:43 AM"},{"id":10744,"message":"{\"current\":\"51\",\"wheelpressure\":\"38\",\"temperature\":\"41\",\"humidity\":\"100\",\"location\":\"beijing\",\"driverName\":\"MR\",\"id\":\"876\",\"crashTrend\":\"yes\",\"speed\":\"116\",\"voltage\":\"16\",\"carModel\":\"car\"}","rulename":"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION","creatdon":"Mar 7, 2017 10:07:43 AM"},{"id":10745,"message":"{\"current\":\"62\",\"wheelpressure\":\"39\",\"temperature\":\"20\",\"humidity\":\"101\",\"location\":\"beijing\",\"driverName\":\"RR\",\"id\":\"880\",\"crashTrend\":\"yes\",\"speed\":\"152\",\"voltage\":\"14\",\"carModel\":\"truck\"}","rulename":"CHECK\_RULE\_DRIVESPEED","creatdon":"Mar 7, 2017 10:07:43 AM"},{"id":10746,"message":"{\"current\":\"62\",\"wheelpressure\":\"39\",\"temperature\":\"20\",\"humidity\":\"101\",\"location\":\"beijing\",\"driverName\":\"RR\",\"id\":\"880\",\"crashTrend\":\"yes\",\"speed\":\"152\",\"voltage\":\"14\",\"carModel\":\"truck\"}","rulename":"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION","creatdon":"Mar 7, 2017 10:07:43 AM"},{"id":10747,"message":"{\"current\":\"66\",\"wheelpressure\":\"33\",\"temperature\":\"30\",\"humidity\":\"96\",\"location\":\"shenzhen\",\"driverName\":\"FR\",\"id\":\"881\",\"crashTrend\":\"yes\",\"speed\":\"154\",\"voltage\":\"34\",\"carModel\":\"suv\"}","rulename":"CHECK\_RULE\_DRIVESPEED","creatdon":"Mar 7, 2017 10:07:43 AM"},{"id":10748,"message":"{\"current\":\"26\",\"wheelpressure\":\"74\",\"temperature\":\"76\",\"humidity\":\"100\",\"location\":\"shenzhen\",\"driverName\":\"FR\",\"id\":\"882\",\"crashTrend\":\"no\",\"speed\":\"117\",\"voltage\":\"55\",\"carModel\":\"sports\"}","rulename":"CHECK\_RULE\_HUMDITY","creatdon":"Mar 7, 2017 10:07:43 AM"},{"id":10749,"message":"{\"current\":\"59\",\"wheelpressure\":\"77\",\"temperature\":\"73\",\"humidity\":\"96\",\"location\":\"beijing\",\"driverName\":\"FF\",\"id\":\"884\",\"crashTrend\":\"yes\",\"speed\":\"138\",\"voltage\":\"50\",\"carModel\":\"truck\"}","rulename":"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION","creatdon":"Mar 7, 2017 10:07:43 AM"},{"id":10750,"message":"{\"current\":\"36\",\"wheelpressure\":\"55\",\"temperature\":\"24\",\"humidity\":\"100\",\"location\":\"beijing\",\"driverName\":\"FR\",\"id\":\"888\",\"crashTrend\":\"no\",\"speed\":\"122\",\"voltage\":\"12\",\"carModel\":\"suv\"}","rulename":"CHECK\_RULE\_HUMDITY","creatdon":"Mar 7, 2017 10:07:43 AM"}]} |
| 204 | No Content. 根据request条件没有查询到符合的events。 |
| 400 | Bad Request. Number of each page OR start number is not valid Integer! |
| 403 | Access Forbidden |

## 查询事件统计数据

### Request

|  |  |
| --- | --- |
| **HTTP Method** | **URL** |
| Get | ..{hostname}/rspc/v1/api/events/statistic?token=XXXXXXXXXXXXXXX |

|  |  |
| --- | --- |
| **Params** | **Description** |
| token | 必要参数。用户认证用到的token，由前端调用认证模块jar包生成。 |
|  |  |
|  |  |

### Response

|  |  |
| --- | --- |
| **Status** | **Response** |
| 200 | 查询成功 (sample) |
|  | {"statistic":[{"rulename":"CHECK\_RULE\_TEMPERATURE","number":1272},{"rulename":"CHECK\_RULE\_HUMDITY","number":11232},{"rulename":"CHECK\_RULE\_DRIVESPEED","number":11394},{"rulename":"CHECK\_RULE\_DRIVESPEED\_AND\_LOCATION","number":17339}]} |
| 204 | No Content. 没有查询到统计值。 |
| 403 | Access Forbidden |
| 500 | Internal Server Error! |