

OS-235

- 1.
 - 1.1
 - 1.2
 - 1.3
- 2.
 - 2.1
 - 2.2
 - 2.2.1 JSONAPI
 - 2.2.2 JSONAPI
 - 2.2.3 JSONAPI
 - 2.2.4
 - 2.2.5 JSON
- 3.

1.

1.1

	JAR	
10.0	2018-07-31	V1.0

1.2

FR
JSONAPIJSONWEB

1.3

JSON

- JSONAPI
- JSONAPI
- JSON

OS-235

-
- FRM
-
-

2.

2.1

JSONAPI

2.2

JSON

2.2.1 JSONAPI

FRM

URL	http://ip:port/webroot/decision/api/dataset
METHOD	POST
Content-Type	application/json
RAW	<pre> { "dataset": [{ "report_path": "tabledataService/Parameter_3.cpt", "datasource_name": "ds2", "page_number": -1, "page_size": 2, "parameters": [{ "name": "", "type": "String", "value": "" }, { "name": "", "type": "String", "value": "" }] }, { "report_path": "tabledataService/data.frm", "datasource_name": "ds1", "page_number": -1, "page_size": 1, "parameters": [{ "name": "company", "type": "String", "value": "VINET" }] }], "timestamp": "123456789", "sign": "761ad529b27019576de1ab4af5f9a394" } </pre>

Response	<pre> [["report_path": "tabledataService/Parameter_3.cpt", "datasource_name": "ds2", "err_code": 0, "err_msg": "", "total_page_number": 1, "page_number": -1, "page_size": 2, "data": [{ "": "", "": "", "": "", "": "", "": "", "": 250.0, "": "zhangying" }], { "": "", "": "", "": "", "": "", "": "", "": 760.0, "": "hanwen" } }] { "report_path": "tabledataService/data.frm", "datasource_name": "ds1", "err_code": 0, "err_msg": "", "total_page_number": 1, "page_number": -1, "page_size": 1, "data": [{ "": "", "": "", "": 0, "": 20.0, "": 39.0 }], { "": "", "": 38, "": 5.0, "": 7.0 } }]]] </pre>
----------	---

- dataset
 - report_pathCPTFRM tabledataService/Parameter_3.cpttabledataService/data.frm
 - datasource_name
 - page_number
 - page_size
 - parameters
 - timestamp
 - sign
-
- err_code0
 - err_msg
 - total_page_number
 - page_number
 - page_size
 - dataJSONkey

JSON

Parameter_3.cpt

POST

http://localhost:8075/webroot/decision/api/dataset

Authorization

Headers (1)

Body

Pre-request Script

Tests

Key	Value
<input checked="" type="checkbox"/> Content-Type	application/json
<input type="text" value="New key"/>	<input type="text" value="Value"/>

POST

http://localhost:8075/webroot/decision/api/dataset

Authorization

Headers (1)

Body

Pre-request Script

Tests

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

JSON (application/json)

```
1 {
2   "dataset": [{
3     "report_path": "tabledataService/Parameter_3.cpt",
4     "datasource_name": "ds2",
5     "page_number": -1,
6     "page_size": 2,
7     "parameters": [{
8       "name": "产品类型",
9       "type": "String",
10      "value": "饮料"
11    },
12    {
13      "name": "地区",
14      "type": "String",
15      "value": "华北"
16    }
17  ]
18 }, {
19   "report_path": "tabledataService/data.frm",
20   "datasource_name": "ds1",
21   "page_number": -1,
22   "page_size": 1,
23   "parameters": [{
24     "name": "company",
25     "type": "String",
26     "value": "VINET"
27   }]
28 }],
29 "timestamp": "123456789",
30 "sign": "761ad529b27019576de1ab4af5f9a394"
31 }
```

data

```
[[{
  "report_path": "tabledataService/Parameter_3.cpt",
  "datasource_name": "ds2",
  "err_code": 0,
  "err_msg": "",
  "total_page_number": 1,
  "page_number": -1,
  "page_size": 2,
  "data": [{
    "地区": "华北",
    "销售员": "张颖",
    "产品类型": "饮料",
    "产品": "苹果汁",
    "销量": 250.0,
    "英文简称": "zhangying"
  ]
},
```

.....

```
{
  "地区": "华北",
  "销售员": "韩文",
  "产品类型": "饮料",
  "产品": "柳橙汁",
  "销量": 760.0,
  "英文简称": "hanwen"
}]
```

```
},
```

```
{
  "report_path": "tabledataService/data.frm",
  "datasource_name": "ds1",
  "err_code": 0,
  "err_msg": "",
  "total_page_number": 1,
  "page_number": -1,
  "page_size": 1,
  "data": [{
    "产品名称": "猪肉",
    "库存量": 0,
    "成本价": 20.0,
    "单价": 39.0
  ]
},
```

```
.....
{
    "产品名称": "三合一麦片",
    "库存量": 38,
    "成本价": 5.0,
    "单价": 7.0
}]
}]
```

2.2.2 JSONAPI

URL	http://ip:port/webroot/decision/api/data
	http://ip:port/webroot/decision/url/api/data
METHOD	POST
Content-Type	application/json
RAW	{ "report_path": "Parameter_3.cpt", "datasource_name": "ds2", "page_number": 1, "page_size": 100, "timestamp": "123456789", "sign": "468705dc60eff5f67438f9b94ed15245", "parameters": [{ "name": "", "type": "String", "value": "" }, { "name": "", "type": "String", "value": "" }] }

Response	<pre>{ err_code : 0, err_msg : "", total_page_number : 10, page_number : 1, page_size : 10, data : [{key1:v11,key2:v12,...},...] }</pre>
----------	--

- report_path doc/Parameter_3.cpt
- datasource_name
- page_number
- page_size
- parameters
- timestamp
- sign

- err_code0
- err_msg
- total_page_number
- page_number
- page_size
- dataJSONkey

JSON

Parameter_3.cpt

POST http://localhost:8075/webroot/decision/url/api/data		
Params Authorization Headers (9) Body ● Pre-request Script Tests		
▼ Headers (1)		
	KEY	VALUE
<input checked="" type="checkbox"/>	Content-Type	application/json

POST

http://localhost:8075/webroot/decision/url/api/data

Authorization

Headers (1)

Body

Pre-request Script

Tests

form-data

x-www-form-urlencoded

raw

binary

JSON (application/json)

1

{

2

"report_path": "Parameter_3.cpt",

3

"datasource_name": "ds2",

4

"page_number": 1,

5

"page_size": 100,

6

"timestamp": "123456789",

7

"sign": "468705dc60eff5f67438f9b94ed15245",

8

"parameters": [{

9

"name": "地区",

10

"type": "String",

11

"value": "华北"

12

},

13

{

14

"name": "产品类型",

15

"type": "String",

16

"value": "饮料"

17

}

18

]

19

}

data


```

{
  "err_code": 0,
  "err_msg": "",
  "total_page_number": 3,
  "page_number": 1,
  "page_size": 100,
  "data": [{
    "订单ID": "10001.0",
    "客户ID": "VINET",
    "雇员ID": "5.0",
    "订购日期": "2010-01-01 00:00:00",
    "到货日期": "2010-01-08 00:00:00",
    "发货日期": "2010-01-03 00:00:00",
    "运货商": "3.0",
    "运货费": "32.3800010681152",
    "货主名称": "余小姐",
    "货主地址": "光明北路 124 号",
    "货主城市": "北京",
    "货主地区": "华北",
    "货主邮政编码": "111080",
    "货主国家": "中国",
    "是否已付": "true",
    "货主省份": "北京",
    "应付金额": "116.379997253418"
  }, {
    "订单ID": "10249.0",
    "客户ID": "TOMSP",
    "雇员ID": "6.0",
    "订购日期": "1996-07-05 00:00:00",
    "到货日期": "1996-08-16 00:00:00",
    "发货日期": "2010-03-02 00:00:00",
    "运货商": "1.0",
    "运货费": "11.61",
    "货主名称": "谢小姐",
    "货主地址": "青年东路 543 号",
    "货主城市": "济南",
    "货主地区": "华东",
    "货主邮政编码": "440876",
    "货主国家": "中国",
    "是否已付": "false",
    "货主省份": "",
    "应付金额": "242.0"
  }
]
}

```

2.2.3 JSONAPI

URL	http://ip:port/webroot/decision/api/report
-----	---

	http://ip:port/webroot/decision/url/api/report
METHOD	POST
Content-Type	application/json
RAW	<pre>{ "report_path": "tabledataService/Parameter_3.cpt", "start_page": 1, "end_page": 1, "timestamp": "123456789", "sign": "468705dc60eff5f67438f9b94ed15245", "parameters": [{ "name": "", "type": "String", "value": "" }, { "name": "", "type": "String", "value": "" }] }</pre>
Response	<pre>{ "err_code": 0, "err_msg": "", "start_page": 1, "end_page": 1, "total_page_number": 1, "data": [{ "A1": "", "A2": "" }] }</pre>

- report_path tabledataService/Parameter_3.cpt
- start_page
- end_page
- parameters
- timestamp
- sign

- err_code0
- err_msg
- total_page_number
- start_page
- end_page
- dataJSONkey

JSON

Parameter_3.cpt

POST

▼

http://localhost:8075/webroot/decision/url/api/report

Params

Authorization

Headers (9)

Body ●

Pre-request Script

Tests

▼ Headers (1)

	KEY	VALUE
<input checked="" type="checkbox"/>	Content-Type	application/json

POST http://localhost:8075/webroot/decision/url/api/report

Authorization Headers (1) **Body** Pre-request Script Tests

☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary JSON (application/json) ▼

```
1 {
2   "report_path": "Parameter_3.cpt",
3   "start_page": 1,
4   "end_page": 1,
5   "timestamp": "123456789",
6   "sign": "468705dc60eff5f67438f9b94ed15245",
7   "parameters": [{
8     "name": "地区",
9     "type": "String",
10    "value": "华北"
11  },
12  {
13    "name": "产品类型",
14    "type": "String",
15    "value": "饮料"
16  }
17 ]
18 }
```

```
{
  "err_code": 0,
  "err_msg": "",
  "start_page": 1,
  "end_page": 1,
  "total_page_number": 1,
  "data": [
    [
      [
        "A1": "华北销售额", "A2": "地区", "B2": "销售员", "C2": "销量"
      ]
    ]
  ]
}
```

JSON

String	{ "name": "aa", "type": "String", "value": "" }	
Integer	{ "name": "aa", "type": "Integer", "value": "" }	
Double	{ "name": "aa", "type": "Double", "value": "" }	
Date	{ "name": "aa", "type": "Date", "value": "" }	
Boolean	{ "name": "aa", "type": "Boolean", "value": "" }	
Formula	{ "name": "aa", "type": "Formula", "value": "" }	

2.2.4

---“JSON”

接口调用-MD5秘钥

数据加密-SM2 App ID

6001

数据加密-接口方 SM2私钥

数据加密-启用国密认证

☒

数据加密-调用方 SM2公钥

MD5(code+report_path+timestamp)
MD5sign

data

SM2 App IDSM2SM2

datasigaturekey

```
1 {
2   "report_path": "tabledataService/Parameter_3.cpt",
3   "datasource_name": "ds2",
4   "err_code": 0,
5   "err_msg": "",
6   "total_page_number": 1,
7   "page_number": -1,
8   "page_size": 2,
9   "appId": "6001",
10  "time": "20220621112546",
11  "data": "KxpI8V47V0iNER2611XX/W4Iol4dG/U9plce2ze8bI9I7kVqMSHw12R0ww/Wj6LoCoesagHSIXUA9X2k61z+kIvyzBSPByZ3Pv7tAhDH5GsdRv8dMaG5Th
    /56F7H0fxf1r9QoY6HSYuyV1xegS1bMg6llyMYSaKnJnyDwziqW7zuEh1XoxlI3V9PC1bX+cV/wkpHB51R0gaF98zOQ0E7QnSz+f41AX6r+P1Z1Zw
    +55IkFWL92x9QYWasbw5Qe6uzvEADGju06P2zfT151tBw6j7whFyW1J5LOIDX/S4KomvmR/NILV11h0obBFdu3YSp6HI/Z5FUuvplNvCjZUv1sS1h1V+9Q1EAdPaH
    +30yYbVdAphYZZrUWJNd21P4F9yMjuZqA105+QWslNnr16sUCILf0F7qFjHe8m/DPZnaF0jfuHLLc4unUaofPmWdLM7MxYxxBCeab51VMDQ0dXPmG1vdCnVDh5xor
    +1t1qZ2PUokYKX5UXaPVcd2gYS9xRz59tr8429Fq0TS5bS41a6q150ZDxTds4130LlpCK1n5sjaHwafeuwpn2LIUTZIfnI012g0k4H9VLSaYz
    +t6ay3VftczGdb65yH2Tg4VpHbSL3ucrmjw60LRdsM3xcnzFtgPDuc5RQTYYSXB/Wpf/jfX8+XjV1G6+f1LTVHhKmc4YKygWtCaSX0IvgvXqBgUgk6kklC8I
    /YfH12nvEdT5ffgkchMFjUIW6dcYmg4Du8bnzV3sY8aVbXK2Hb8qgMV3GcHP2AjjY1qcnJ/hoLI/wh1bI/aHllypU/c59uehVXXqmwjHAUjYC208kzD4n1e13pEdcE
    /tTYnbA51ANQM1DPjjt09kmI6Emk2qocQ9gRch7+icUty2S1pffk3cPKdPyanuGeB3QxzJ1cXcjwM5I14fC/gsKshhuvQGVEM9k4nm/BGhkad9i7v1MHRyAHbnc
    /Cm8BVDDXXtAfz4uQmztxYpTU0UtNQz+v8q/DNKGS5Ea1+VolPmB8e0sK+qoJvjJ13T2uvvXsssyAhv62PCQbQsft3hm64KtJ1W60HjRQvKHF1flvvnBguQA6a1P1
    /EH3tQ7EYVLKLIxcCt9fyGgsA4qf1/d/YsaFY11uz4d3sJEtCu1S0W+Vse0PTNCXswPnaU+bxgh3vkP92b3DXRM1H24L5w8VFBk46bf/ZoahdQn7zRjkdN6Q4J3
    /JZ0bQ351b5Yb21HVfR0Bf9CdbQmQCvyJA30xHKJ6PCBunCYAfK7usTBE+numQcDdsYX1+Z/EgT7tTx6vfeXypzTjJ1wILKVgxR75u0ErqShCagaD53h6008a
    /6U1bDM8RcdJ1Qe24yf1BpLPg2KxMpBLCR4VA3cRGQmPoX13BgcoER1MmRp3HS/GyI8ot/VY1ETH0HtE0Eg+V50bhdzGg6X16E28:LxaT9VYM3j+C9hjtEZ/Lq1
    /mp4hrv6GgsjCpyuKxobmGjz8mdF4n6T4u2yuS2sgtGYUz8LSCVzMQxOUuPsXzYj6XusJvJMoBERMGE31teFnkCZ3u6R+I/8oIs3H47g+ae80AgyHYyzBHu6RoYt
    +jBH1M1CHfj5YbvYBFFjyN1IsqeEF1EsJzLJo8gTRPq7B83ZKWG5qyM2n rz060SMP6W++oItDdSnW19djNQ74wnmjwvP7EQatBF5IQ/UCbr+1/DQn3b5jnsVB4YS
    /n59vjv9W9tMhMtOun0J0mLt/3T03Q17Ac4jXtTgT11GtfalFmcyX67Q1KKoDdBt6Kx079H3Gwmz91LPQqN52gu6JUnCOCdhdx912y0DOWPp5h2zoc49HUz9hLF
    aRgkvkH4CY=",
12  "key": "BHDYOPbxMaWeDV2E/kGr+Fqytb2194afkgbVnI2y8eIUEUXV9uIN1581R5pPVtkDmTPy4EtVW+SB1G1RM1tnMRG6psS13sR1NPL95hS33FxxKnn53SKVtyxcn
    =",
13  "iv": "9wmn6fpp27ov73au",
14  "requestNo": "15390871503001436161539087150300143617",
15  "sign": "MEYCIQCchav3XKuX2p+3Jp1lgVLgXJ4U1ec8E2tpI21IAKYy2wIhAP++MRBFj+f1VI6n1Q0eq8SeVcATHMTeF+MDSB5tTVr+"
16 }
```

err_code	err_msg
0	
10	report_path
11	datasource_name
12	page_number
13	page_size
14	
15	
16	start_page
17	end_page
20	

2.2.5 JSON

""->"web"->"" JSON""

模板Web属性

基本

打印机(服务器)

分页预览设置

填报页面设置

数据分析设置

浏览器背景

引用Css

引用JavaScript

以下设置: 为该模板单独设置

报表显示位置: 居中展示 左展示

页面: 以图片方式显示 iframe嵌入时自动缩放

重方式输出格子

使用工具栏: 恢复默认

顶部工具栏

底部工具栏

首页	PDF	Applet打印
上一页	Excel(分页导出)	打印[客户端]
当前页/总页数	Excel(原样导出)	打印机偏移
下一页	分页分Sheet导出	自定义按钮
末页	Word格式	JSON导出
缩放	打印	
邮件	打印(兼容)	
导出	打印[客户端]	

事件设置:

确定

取消

3.

js

```
$.ajax({
  url: "http://localhost:8075/webroot/decision/url/api/data",
  type: "POST",
  contentType: "application/json;charset=utf-8",
  dataType: "json",
  data: JSON.stringify({
    "report_path": "GettingStarted.cpt",
    "datasource_name": "ds1",
    "page_number": 1,
    "page_size": 100,
    "parameters": [{
      "name": "",
      "type": "String",
      "value": ""
    }]
  }),
  success: function(data) {
    alert("" + data.toString());
  },
  error: function() {
    alert("baocuo");
  }
});
```

.cpt