**数据平台接口文档-数据集**

网站交互文档

V1.0.0

修改记录

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# 1、接口使用说明

## 1.1 请求方式

POST/GET

## 1.2 请求参数

## 1.3 数据交换格式

json

## 1.4 JSON格式

{

“code”:“状态码”，

“msg”:“信息”，

“data”：“属性包 ,object, list”

}

## 1.5 code 说明

code=1 成功；

# 2、数据集(data\_set)

2.1-0添加数据集(Featrue#1408)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | 添加数据集 | | | |
| Access | 需鉴权 | | | |
| Method | POST | | | |
| Description | 1. 请求参数以json格式写在requestbody中 2. 表结构数据也一起传过来，写在dataset\_schema表中 | | | |
| Request | url | /api/data\_set/add | | |
| Request JSON | {  "projectId": 1,  "dataSourceId": 2,  "dataSetName": "alarm\_config\_ds",  "tableName": "alarm\_config",  "isFloatToInt": "1",  "tableStructure": [{//表结构  "index": 1,  "columnTypeName": "3",  "columnName": "id",  "meaning": "0"  },  {  "index": 2,  "columnTypeName": "3",  "columnName": "product\_id",  "meaning": "1"  },{},...,{}  ]  } | | |
| Response | reslut  JSON | { "msg":"success",  "code":0,  "data":1  } | | |
|  | code | int |  |
| msg | string | 状态信息 |
| data | string | 新建的datasetId |

2.1-1添加操作节点时添加数据集(Featrue#1408)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 添加操作节点时添加数据集 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | POST | | | | | | |
| Description | 1. 需要指定projectId，workFlowId，inputDataSetId，dataSourceId； 2. 所新建的输出数据集对应的源数据表的表结构复制输入数据集的，并且is\_write值置为1； 3. 输入与输出数据集的类型可能不是一种 | | | | | | |
| Request | url | /api/data\_set/add\_in\_workflow | | | | | |
| params | projectId | | long | 必填 | | 项目id |
| workFlowId | | long | 必填 | | 工作流id |
| inputDataSetId | | long | 必填 | | 输入数据集id |
| dataSourceId | | long | 必填 | | 数据源(数据连接)id |
| dataSetName | | String | 必填 | | 数据集名称 |
|  | |  |  | |  |
| Response | reslut  JSON | { "msg":"success",  "code":0,  "data":2  } | | | | | |
|  | code | int | | |  | |
| msg | string | | | 状态信息 | |
| data | string | | | 新建的datasetId | |

2.1-2补充：获取一个库下所有的表名称

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 获取一个库下所有的表名称 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | GET | | | | | | |
| Description |  | | | | | | |
| Request | url | /api/data\_set/table\_names | | | | | |
| params | dataSourceId | | long | 必填 | | 数据源(数据连接)id |
|  | |  |  | |  |
| Response | reslut  JSON | {  "msg": "success",  "code": 0,  "data": [  "data\_point",  "data\_point\_extra",  "device",  "device\_model",  "device\_realtime\_data",  "device\_trigger",  "device\_trigger\_condition",  "device\_trigger\_object",  "device\_trigger\_result",  "groups",  "groups\_device",  "keykeykey\_device\_prepared",  "mqtt\_acl",  "mqtt\_user",  "product",  "role",  "shuynfeng\_alarm\_ds\_output",  "sys\_dict",  "tenant",  "trigger\_times",  "user",  "user\_system\_role",  "user\_teant",  "user\_tenant\_role"  ]  } | | | | | |
|  | code | int | | |  | |
| msg | string | | | 状态信息 | |
| data | string | | | 新建的datasetId | |

2.2数据集列表(Featrue#1407)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 数据集列表 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | GET | | | | | | |
| Description | 1. 某project下所有的数据集； 2. 过滤：数据集名称、工作流； 3. 修改时间倒序，不分页 | | | | | | |
| Request | url | /api/data\_set/list | | | | | |
| params | projectId | | long | 必填 | | 项目id |
| filter | | String | 非必填 | | 根据数据集名称过滤 |
| workFlowId | | Long | 非必填 | | 根据工作流过滤 |
|  | |  |  | |  |
| Response | reslut  JSON | { "msg":"success",  "code":0,  "data":[  {  “id”:1,  “datasetName”:”guolu\_prepared”,  "updateTime": 1516525989000,  “dataType”:“0”, //数据类型，查询datasource的data\_type字段  },{},...  ]  } | | | | | |
|  | code | int | | | 0 success | |
| msg | string | | | 状态信息 | |
| data | string | | | 数据 | |

2.3数据集详情(Featrue#1409)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 数据集详情 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | GET | | | | | | |
| Description | 1. 查询data\_set表：描述、创建（人[名称]，时间）、修改（人[名称]、时间）， 2. 记录数：查询源数据表中的记录数（count()） 3. 查询workflow表：所在工作流名称 4. 查询workflow\_node表：相关数据处理节点, 所有的父节点及子节点 5. 在工作流中点击数据集节点也使用此接口，（nodeId.datasetId） | | | | | | |
| Request | url | /api/data\_set/detail | | | | | |
| params | dataSetId | | long | 必填 | | 数据集id |
|  | |  |  | |  |
| Response | reslut  JSON | { "msg":"success",  "code":0,  "data":  {  “id”:1,  "description": “balabala..bala”,  “createTime”:15730409549,  “createUser”: “小明”,  “updateTime”:15731412312,  “updateUser”:”华仔”,  “dataCount”:180,  “syncName”:15731412312, //同步时间  “workflowName”:”锅炉每日最高温度”,  “workflowNodes”：[  {  “nodeId”: 111,  “nodeName”:”table\_1\_prepared”,  “processType”:"1", // 处理类型，同步？预处理？  “isParent”:true  },{  “nodeId”: 112,  “nodeName”:”table\_2\_group”,  “processType”:"1",  “isParent”:flase  },....  ],  “charts”：[  {  “chartId”: 111,  “chartName”:”count\_by\_id”,  },{  “chartId”: 112,  “chartName”:”table\_2\_group”,  },....  ],  },{},...  } | | | | | |
|  | code | int | | | 0 success | |
| msg | string | | | 状态信息 | |
| data | string | | | 数据 | |
|  |  |  |  | | |  | |

2.3补充：查询数据集对应源表的记录数

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 查询数据集对应源表的记录数 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | GET | | | | | | |
| Description |  | | | | | | |
| Request | url | /api/data\_set/data\_count | | | | | |
| params | dataSetId | | long | 必填 | | 数据集id |
|  | |  |  | |  |
| Response | reslut  JSON | { "msg":"success",  "code":0,  "data": {  “dataCount”:12345,  “syncTime”: 15731412312 //同步时间  }  } | | | | | |
|  | code | int | | | 0 success | |
| msg | string | | | 状态信息 | |
| data | string | | | 数据 | |
|  |  |  |  | | |  | |

2.5删除数据集(Featrue#1412)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 删除数据集 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | POST | | | | | | |
| Description | 1. 可批量删除，多个id用逗号隔开 2. 逻辑删除，改is\_del标记 | | | | | | |
| Request | url | /api/data\_set/delete | | | | | |
| params | dataSetIds | | String | 必填 | | 数据集Id |
|  | |  |  | |  |
| Response | reslut  JSON | {  "msg":"success",  "code":0,  "data":  } | | | | | |
|  | code | int | | | 0 success | |
| msg | string | | | 状态信息 | |
| data | string | | | 数据 | |

2.6数据表连接测试(Featrue#1413)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 数据表连接测试 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | GET | | | | | | |
| Description | 1. 创建数据集时需要先测试数据表 2. 从选定的数据连接和数据表中选取100条数据做一个预览 3. 空表返回表结构 | | | | | | |
| Request | url | /api/data\_set/connect\_test | | | | | |
| params | dataSourceId | | Long | 必填 | | 数据源Id |
| tableName | | String | 必填 | | 数据表名称 |
|  | |  |  | |  |
| Response | reslut  JSON | {  "msg": "success",  "code": 0,  "data": {  "tableData": [  {  "unit\_sign": "℃",  "length": "",  "description": "温度",  "model\_id": 1,  "type": 0,  "type\_value": "",  "update\_date": 1516525989000,  "frequency": 3,  "unit\_name": "摄氏度",  "create\_by": 2,  "product\_id": 3,  "name": "temp",  "id": 1,  "create\_date": 1516525989000,  "update\_by": 2  },{}....,], //数据部分结束，可能为空  "tableStructure": [  {  "index": 1,  "columnTypeName": "3",  "columnName": "id",  “meaning”: "0",  },  {  "index": 2,  "columnTypeName": "3",  "columnName": "product\_id",  “meaning”: "0"  },  {  "index": 3,  "columnTypeName": "3",  "columnName": "model\_id"  },...{}] //数据结构部分结束  }  } | | | | | |
|  | code | int | | | 0 success | |
| msg | string | | | 状态信息 | |
| data | string | | | 数据 | |

2.7 获取源数据表表结构(Featrue#1414)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 获取源数据表表结构 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | GET | | | | | | |
| Description | 1. 创建数据集时，从数据源表查询表结构，创建完成后，将表结构存入dataset\_schema表； 2. 根据字段名和类型过滤 | | | | | | |
| Request | url | /api/data\_set/get\_source\_table\_structure | | | | | |
| params | dataSourceId | | Long | 必填 | | 数据源Id |
| tableName | | String | 必填 | | 数据表名称 |
| Response | reslut  JSON | {  "msg": "success",  "code": 0,  "data": [  {  "index": 1, //序号  "columnTypeName": "3", //字段类型代号  "columnName": "id" //字段名  },  {  "index": 2,  "columnTypeName": "3",  "columnName": "product\_id"  },  {  "index": 3,  "columnTypeName": "3",  "columnName": "model\_id"  },{}...{}  ]  } | | | | | |
|  | code | int | | | 0 success、2 后台服务器异常、10000 missing required input params、 | |
| msg | string | | | 状态信息 | |
| data | string | | | 数据 | |

2.8清除数据集数据(Featrue#1427)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 清除数据集数据 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | POST | | | | | | |
| Description | 1. 对应数据源“是否允许对此连接的原始数据集进行写操作” 2. 删除数据，保留表结构 | | | | | | |
| Request | url | /api/data\_set/clear\_data | | | | | |
| params | dataSetId | | Long | 非必填 | | 数据集id |
|  | |  |  | |  |
|  | |  |  | |  |
| Response | reslut  JSON | {  "msg": "success",  "code": 0,  } | | | | | |
|  | code | int | | |  | |
| msg | string | | | 状态信息 | |
| data | string | | |  | |

(Featrue#1416):重新加载数据表结构

(Featrue#1415)功能：预测数据表字段类型对应语义

# 数据集结构（dataset\_schema）

3.1查询数据集的表结构(Featrue#1424 数据集字段概览)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 获取某数据集对应的数据表的表结构 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | GET | | | | | | |
| Description | 1. 在工作流中查看某数据集的表结构时，根据dataset\_id从dataset\_schema表中查 2. 字段名，字段类型，语义过滤 | | | | | | |
| Request | url | /api/dataset\_schema/get\_schema | | | | | |
| params | dataSetId | | Long | 必填 | | 数据集Id |
| filter | | String | 非必填 | | 字段名称（做过滤） |
| columnType | | String | 非必填 | | 字段类型 |
| meaning | | String | 非必填 | | 一级语义 |
| subMeaning | | String | 非必填 | | 二级语义 |
|  | |  |  | |  |
| Response | reslut  JSON | {  "msg": "success",  "code": 0,  "data": [  {  “id”:1,  “dataSetId”:121,  “columnName”:”id”,  “columnType”:1,  “columnLength”:10,  “columnComment”:”ddddadadsa”,  “meaning”: 1,  “proportion”:0.50,  “meanings”:[1] // 为适应前端的级联选择框  },{},{},...  ]  } | | | | | |
|  | code | int | | | 0 success | |
| msg | string | | | 状态信息 | |
| data | string | | | 数据 | |

3.2检查数据表结构(Featrue#1417)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 检查数据表结构 | | | | | | | |
| Access | 需鉴权 | | | | | | | |
| Method | GET | | | | | | | |
| Description | 1. 对比dataset\_schema和源数据表中的结构是否一致 2. 主要对比字段名 | | | | | | | |
| Request | url | /api/dataset\_schema/check\_schema | | | | | | |
| params | dataSetId | | Long | 必填 | | | 数据集Id |
|  | |  |  | | |  |
|  | |  |  | | |  |
| Response | reslut  JSON | {  "msg": "success",  "code": 0,  "data": {  ”isSame“：false,  “columnName”：”product\_id“, //不一致的字段名  “columnIndex”：3,// 不一致的字段序号  ”difference“：0, //0:不一致 1:多出一列2：少出一列  }  } | | | | | {  "msg": "success",  "code": 0,  "data": {  ”isSame“：true,  }  } | |
|  | code | int | | | 0 success | | |
| msg | string | | | 状态信息 | | |
| data | string | | | 数据 | | |

3.3更新数据集的语义

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 更新数据集的语义 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | POST | | | | | | |
| Description | 1. 更新dataset\_schema表中语义字段 2. 重新计算语义占比，并保存到proportion字段 | | | | | | |
| Request | url | /api/data\_set/update\_meaning | | | | | |
| params | dataSetId | | Long | 必填 | | 数据集id |
| columnName | | String | 必填 | | 字段名称 |
| meaning | | char | 必填 | | 列语义(0:自动检测, 1:Text, 2:Decimal, 3:Integer, 4:Boolean, 5:Date, 6:Object, 7:Array, 8:地理空间, 9:网络) |
| subMeaning | | char | 非必填 | | 二级语义：当meaning为8(地理空间)时，本字段值可为(0:经度 1:维度 2:坐标点)；当meaning为9(网络)时，本字段值可为(3:ip地址 4:URL 5:email) |
|  | |  |  | |  |
| Response | reslut  JSON | {  "msg": "success",  "code": 0,  "data": 0.95 //更新后的语义占比  } | | | | | |
|  | code | int | | | 0 success | |
| msg | string | | | 状态信息 | |
| data | string | | | 新添加的采集项Id | |

3.4更新数据集的类型

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 设置数据集的类型 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | POST | | | | | | |
| Description | 1. | | | | | | |
| Request | url | /api/dataset\_schema/update\_type | | | | | |
| params | dataSetId | | Long | 必填 | | 数据集id |
| columnName | | String | 必填 | | 字段名称 |
| columnType | | char | 必填 | | 数据集列类型( 0:tinyint(8 bit), 1:smallint(16 bit), 2:int, 3:bigint(64 bit), 4:float, 5:double, 6:boolean, 7:string, 8:date) |
|  | |  |  | |  |
| Response | reslut  JSON | {  "msg": "success",  "code": 0  } | | | | | |
|  | code | int | | | 0 success | |
| msg | string | | | 状态信息 | |
| data | string | | | 新添加的采集项Id | |

# 4、数据集预览（preview）

4.1获取数据集的采样方式和过滤方式

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 获取数据集的采样方式和过滤方式 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | GET | | | | | | |
| Description |  | | | | | | |
| Request | url | /api/preview/get\_sample\_filter\_method | | | | | |
| params | dataSetId | | Long | | 必填 | 数据集id |
|  | |  | |  |  |
| Response | reslut  JSON | {  "msg": "success",  "code": 0,  "data": {  "dataSetId": 1,  "sampleType": 2, //采样方式（0：前n条记录、1：随机n条记录（按个数）、2：随机n条记录（按比例））默认0  "sampleTypeValue": 1000,//采样数量（采样个数、采样比例）默认采样个数10000  "isSampleFilter": 0,//是否采样过滤（0：否、1：是）,如果为0则没有下面两项  "sampleFilterType": 1,//采样过滤方式（0：以下情况均符合，1：至少有一种情况符合）  "filters": [{ //具体过滤方式  "columnName": "id",  "condition": 2,//条件(0：不为空，1：为空，2：==，3：!=，4：>，5：<，6：>=，7：<=，8：等于，9：不等于，10：包含，11：介于，12：早于，13：晚于，14：true，15：false)；  "value1": 12345  },  {  "columnName": "create\_time",  "condition": 11,  "value1": "2018 - 05 - 04 12: 34: 56",  "value2": "2018 - 05 - 05 12: 34: 56"  },  {  "columnName": "table\_name",  "condition": 1  }  ]  }  } | | | | | |
|  | code | int | | 0 success | | |
| msg | string | | 状态信息 | | |
| data | string | |  | | |

4.2设置数据集的采样方式和过滤方式(Featrue#1421)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | 设置数据集的采样方式和过滤方式 | | | |
| Access | 需鉴权 | | | |
| Method | POST | | | |
| Description |  | | | |
| Request | url | /api/preview/update\_sample\_method | | |
| Request JSON | {  "dataSetId": 1,  "sampleType": 2, //采样方式（0：前n条记录、1：随机n条记录（按个数）、2：随机n条记录（按比例））默认0  "sampleTypeValue": 1000,//采样数量（采样个数、采样比例）默认采样个数10000  "isSampleFilter": 0,//是否采样过滤（0：否、1：是）,如果为0则没有下面两项  "sampleFilterType": 1,//采样过滤方式（0：以下情况均符合，1：至少有一种情况符合）  "filters": [{ //具体过滤方式  "columnName": "id",  "condition": 2,//条件(0：不为空，1：为空，2：==，3：!=，4：>，5：<，6：>=，7：<=，8：等于，9：不等于，10：包含，11：介于，12：早于，13：晚于，14：true，15：false)；  "value1": 12345  },  {  "columnName": "create\_time",  "condition": 11,  "value1": "2018 - 05 - 04 12: 34: 56",  "value2": "2018 - 05 - 05 12: 34: 56"  },  {  "columnName": "table\_name",  "condition": 1  }  ]  } | | |
| Response | reslut  JSON | {  "msg": "success",  "code": 0,  "data":  } | | |
|  | code | int | 0 success |
| msg | string | 状态信息 |
| data | string |  |

4.3检查mongo中是否有数据(Featrue#1410)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 检查mongo中是否有数据 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | POST | | | | | | |
| Description | 1. 可以引申为判断数据集数据是否需要同步到mongo中， 2. 已经叠加了dataset中isSync字段的值 | | | | | | |
| Request | url | /api/preview/is\_mongo\_data\_exist | | | | | |
| params | dataSetId | | Long | | 必填 | 数据集Id |
|  | |  | |  |  |
| Response | reslut  JSON | { "msg":"success",  "code":0,  "data"：true //有数据  } | | | | | |
|  | code | int | | 0 success | | |
| msg | string | | 状态信息 | | |
| data | string | | 数据 | | |

4.4同步数据

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 同步数据 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | POST | | | | | | |
| Description | 重新从源表按照采样和过滤规则拉取数据，放到mongo中 | | | | | | |
| Request | url | /api/preview/sync\_data | | | | | |
| params | dataSetId | | Long | | 必填 | 数据集Id |
|  | |  | |  |  |
| Response | reslut  JSON | { "msg":"success",  "code":0,  } | | | | | |
|  | code | int | | 0 success | | |
| msg | string | | 状态信息 | | |
| data | string | | 数据 | | |

4.5同步语义

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 同步语义 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | POST | | | | | | |
| Description | 重新计算语义及占比，并更新dataset\_schema相关字段 | | | | | | |
| Request | url | /api/preview/sync\_proportion | | | | | |
| params | dataSetId | | Long | | 必填 | 数据集Id |
|  | |  | |  |  |
| Response | reslut  JSON | { "msg":"success",  "code":0,  } | | | | | |
|  | code | int | | 0 success | | |
| msg | string | | 状态信息 | | |
| data | string | | 数据 | | |

4.6预览数据集数据(下拉分页)(Feature#1420)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 预览数据集数据 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | GET | | | | | | |
| Description | 1.直接从mongo中分页读取 | | | | | | |
| Request | url | /api/preview/get\_data | | | | | |
| params | dataSetId | | Long | 必填 | | 数据集Id |
| pageNum | | int | 必填 | | 页码 |
| pageSize | | int | 必填 | | 分页大小 |
| filter | | string | 非必填 | | 过滤条件 |
| Response | reslut  JSON | {  "msg": "success",  "code": 0,  "data": {  "totalNum" : 1000, //抽样总数  “pageNum”: 1, //当前页码  “pageSize”: 6, //分页大小  “listData”: //当前页数据  [ {  "\_id": 1,  "unit\_sign": "℃",  "length": "",  "description": "温度",  "model\_id": 1,  "type": 0,  "type\_value": "",  "update\_date": 1516525989000,  "frequency": 3,  "unit\_name": "摄氏度",  "create\_by": 2,  "product\_id": 3,  "name": "temp",  "create\_date": 1516525989000,  "update\_by": 2  },{}....]  }  } | | | | | |
|  | code | int | | | 0 success | |
| msg | string | | | 状态信息 | |
| data | string | | |  | |

# 5、待补充

3.1预览数据集数据(进入预览界面)(Feature#1420)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 预览数据集数据 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | GET | | | | | | |
| Description | 1. 数据集列表中，双击某个数据集进入数据集预览界面 2. 工作流中，数据集节点的采样预览； 3. 流程：根据数据集id找到对应的采样方式、采样数量、过滤方式，对源数据进行采样及过滤查询，将结果存入mongo中，再从mongo中读取，显示 4. 只查询第一页 | | | | | | |
| Request | url | /api/data\_set/preview | | | | | |
| params | dataSetId | | Long | 必填 | | 数据集Id |
| Response | reslut  JSON | {  "msg": "success",  "code": 0,  "data": {  "totalNum" : 1000, //抽样总数  “pageNum”: 1, //当前页码  “pageSize”: 6, //分页大小  “listData”: //当前页数据  [ {  "\_id": 1,  "unit\_sign": "℃",  "length": "",  "description": "温度",  "model\_id": 1,  "type": 0,  "type\_value": "",  "update\_date": 1516525989000,  "frequency": 3,  "unit\_name": "摄氏度",  "create\_by": 2,  "product\_id": 3,  "name": "temp",  "create\_date": 1516525989000,  "update\_by": 2  },{}....]  }  } | | | | | |
|  | code | int | | | 0 success | |
| msg | string | | | 状态信息 | |
| data | string | | |  | |

3.1-1查询数据集的结构

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 查询数据集的结构 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | POST | | | | | | |
| Description | 1. 根据dataset\_id查询dataset\_schema表中的有关数据 2. 返回包括字段名、字段类型、字段语义、语义占比 | | | | | | |
| Request | url | /api/data\_set/get\_schema | | | | | |
| params | dataSetId | | Long | 必填 | | 数据集id |
|  | |  |  | |  |
| Response | reslut  JSON | {  "msg": "success",  "code": 0,  "data": [{  "columnType": "3",//字段类型  "columnName": "id",//字段名  "meaning": "0",//字段语义  “proportion”:1.0//语义占比  },  {  "columnTypeName": "3",  "columnName": "product\_id",  "meaning": "8',  "subMeaning": "0',  “proportion”:0.95  },  {  "columnTypeName": "3",  "columnName": "model\_id",  "meaning": "3",  “proportion”:0.50  },{}...{}]  } | | | | | |
|  | code | int | | | 0 success | |
| msg | string | | | 状态信息 | |
| data | string | | |  | |

3.4统计数据集语义占比(Featrue#1423)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 设置数据集的语义 | | | | | | |
| Access | 需鉴权 | | | | | | |
| Method | POST | | | | | | |
| Description | 有效、无效、非空、空、Min、Max、Median、mean | | | | | | |
| Request | url | /api/data\_set/ | | | | | |
| params | nodeId | | Long | 必填 | | 工作流节点id |
| meaning | | char | 必填 | | 列语义 |
|  | |  |  | |  |
| Response | reslut  JSON | {  "msg": "success",  "code": 0,  "data":  } | | | | | |
|  | code | int | | | 0 success | |
| msg | string | | | 状态信息 | |
| data | string | | | 新添加的采集项Id | |

2.10检查数据表结构(Featrue#1417)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | 检查数据表结构 | | | | | | | |
| Access | 需鉴权 | | | | | | | |
| Method | GET | | | | | | | |
| Description | 1. 对比dataset\_schema和源数据表中的结构是否一致 2. 主要对比字段名 | | | | | | | |
| Request | url | /api/data\_set/check\_structure | | | | | | |
| params | dataSetId | | Long | 必填 | | | 数据集Id |
|  | |  |  | | |  |
|  | |  |  | | |  |
| Response | reslut  JSON | {  "msg": "success",  "code": 0,  "data": {  ”isSame“：false,  “columnName”：”product\_id“,  “columnIndex”：3,  ”difference“：0, //0:不一致 1:多出一列2：少出一列  }  } | | | | | {  "msg": "success",  "code": 0,  "data": {  ”isSame“：true,  }  } | |
|  | code | int | | | 0 success、2 后台服务器异常、10000 missing required input params、 | | |
| msg | string | | | 状态信息 | | |
| data | string | | | 数据 | | |

2.4编辑数据集表结构(Featrue#1410)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | 编辑数据集表结构 | | | |
| Access | 需鉴权 | | | |
| Method | POST | | | |
| Description |  | | | |
| Request | url | /api/data\_set/edit\_schema | | |
| Request JSON | {  "data":[  {  “id”:1,  “columnName”：“ product\_id”,  “columnType”:”1” ,//需要规定  “columnLength”:64,  “meaning”:”2”,//需要规定  },{},...  ]  } | | |
| Response | reslut  JSON | { "msg":"success",  "code":0,  "data"：  } | | |
|  | code | int | 0 success、2 后台服务器异常、10000 missing required input params、 |
| msg | string | 状态信息 |
| data | string | 数据 |