kunlun cdc 使用说明文档

输出json格式

|  |  |
| --- | --- |
| 字段名 | 说明 |
| database | 数据库名 |
| table | 表名 |
| isDdl | 是否为ddl |
| sql | Ddl 执行sql语句 |
| event\_type | 事件名称 |
| data | 如果为insert，为插入每列对于数据  如果为delete，为删除数据，  如果为update，为更新后行 |
| old | 如果为insert，空  如果为delete，空，  如果为update，更新前数据 |

这个地方data/old 字段数据与binlog\_row\_image参数有关，现在kunlun storage 该配置默认为minimal，则记录更新列和查询的列

目前支持event type

|  |  |
| --- | --- |
| 字段名 | 说明 |
| CREATE\_DB | 创建库 |
| DROP\_DB | 删除库 |
| CREATE\_TABLE | 创建表 |
| DROP\_TABLE | 删除表，该语句支持多个表同时进行，kunlun\_cdc这个地方将多个表拆成多个drop table 记录 |
| CREATE\_INDEX | 添加索引 |
| DROP\_INDEX | 删除索引 |
| ALTER\_TABLE | 表添加，删除和更新字段等 |
| RENAME\_TABLE | 表重命名，该语句支持多个表同时进行，kunlun\_cdc这个地方将多个表拆成多个rename table 记录 |
| INSERT | 插入数据 |
| DELETE | 删除数据 |
| UPDATE | 更新数据 |

api 接口，为异步接口

添加dump table

**curl -d '**

**{**

**"version":"1.0",**

**"job\_id":"",**

**"job\_type":"add\_dump\_table",**

**"timestamp":"1435749309",**

**"user\_name":"kunlun\_test",**

**"paras":{**

**"meta\_db":"192.168.0.136:28001,192.168.0.128:28001,192.168.0.125:28001",**

**"meta\_user":"clustmgr",**

**"meta\_passwd":"clustmgr\_pwd",**

**"cluster\_name":"cluster\_1679555702\_000002",**

**"dump\_tables":"postgres\_$$\_public.sbtest1,postgres\_$$\_public.sbtest2",**

**"output\_plugins":[{**

**"plugin\_name":"event\_file",**

**"plugin\_param":"/home/barney/kunlun\_cdc/temp/event.log",**

**"udf\_name":"test1"**

**},{**

**"plugin\_name":"event\_kunlunsql",**

**"plugin\_param":"{\"hostaddr\":\"192.168.0.125\",\"port\":\"24002\",\"user\":\"abc\",\"password\":\"abc\",\"log\_path\":\"../log\"}",**

**"udf\_name":"test2"**

**}]**

**}**

**}**

**' -X POST** [**http://192.168.0.128:18002/kunlun\_cdc**](http://192.168.0.128:18002/kunlun_cdc)

**如果指定具体位置开始从kunlunbase导出数据**

**curl -d '**

{  
    **"version"**:**"1.0"**,  
    **"job\_id"**:**""**,  
    **"job\_type"**:**"add\_dump\_table"**,  
    **"timestamp"**:**"1435749309"**,  
    **"user\_name"**:**"kunlun\_test"**,  
    **"paras"**:{  
        **"meta\_db"**:**"192.168.0.136:28001,192.168.0.128:28001,192.168.0.125:28001"**,  
        **"meta\_user"**:**"clustmgr"**,  
        **"meta\_passwd"**:**"clustmgr\_pwd"**,  
        **"cluster\_name"**:**"cluster\_1679555702\_000002"**,  
        **"dump\_tables"**:**"postgres\_$$\_public.sbtest1,postgres\_$$\_public.sbtest2"**,  
        **"shard\_params"**:[  
            {  
                **"shard\_id"**:**"1"**,  
                **"dump\_hostaddr"**:**"127.0.0.1"**,  
                **"dump\_port"**:**"28801"**,  
                **"binlog\_file"**:**"xxx"**,  
                **"binlog\_pos"**:**"899"**,  
                **"gtid\_set"**:**"xxxx"**  
            },{  
                **"shard\_id"**:**"2"**,  
                **"dump\_hostaddr"**:**"127.0.0.2"**,  
                **"dump\_port"**:**"28802"**,  
                **"binlog\_file"**:**"xxx"**,  
                **"binlog\_pos"**:**"899"**,  
                **"gtid\_set"**:**"xxxx"**  
            }  
        ],  
        **"output\_plugins"**:[  
            {  
                **"plugin\_name"**:**"event\_file"**,  
                **"plugin\_param"**:**"/home/barney/kunlun\_cdc/temp/event.log"**,  
                **"udf\_name"**:**"test1"**  
            },  
            {  
                **"plugin\_name"**:**"event\_kunlunsql"**,  
                **"plugin\_param"**:**"{\"hostaddr\":\"192.168.0.125\",\"port\":\"24002\",\"user\":\"abc\",\"password\":\"abc\",\"log\_path\":\"../log\"}"**,  
                **"udf\_name"**:**"test2"**  
            }  
        ]  
    }  
}**' -X POST** [**http://192.168.0.128:18002/kunlun\_cdc**](http://192.168.0.128:18002/kunlun_cdc)

**从开源mysql dump数据，必须指定shard\_params参数**

**curl -d '**

{  
    **"version"**:**"1.0"**,  
    **"job\_id"**:**""**,  
    **"job\_type"**:**"add\_dump\_table"**,  
    **"timestamp"**:**"1435749309"**,  
    **"user\_name"**:**"kunlun\_test"**,  
    **"paras"**:{  
        **"meta\_db"**:**"127.0.0.1:28001"**, --- dump mysql的ip:port  
        **"meta\_user"**:**"xxx"**, --- 连接mysql的账户  
        **"meta\_passwd"**:**"xxx"**, --- 连接mysql的密码  
        **"cluster\_name"**:**"mysql"**,  
        **"dump\_tables"**:**"test.t1,test.t2"**,  
        **"isKunlun"**:**"0"**,  
        **"shard\_params"**:{  
            **"binlog\_file"**:**"xxx"**,  
            **"binlog\_pos"**:**"899"**,  
            **"gtid\_set"**:**"xxxx"**  
        },  
        **"output\_plugins"**:[  
            {  
                **"plugin\_name"**:**"event\_file"**,  
                **"plugin\_param"**:**"/xx/event.log"**,  
                **"udf\_name"**:**"test1"**  
            },  
            {  
                **"plugin\_name"**:**"event\_kunlunsql"**,  
                **"plugin\_param"**:**"{\"hostaddr\":\"192.168.0.125\",\"port\":\"24002\",\"user\":\"abc\",\"password\":\"abc\",\"log\_path\":\"../log\"}"**,  
                **"udf\_name"**:**"test2"**  
            }  
        ]  
    }  
} **' -X POST** [**http://192.168.0.128:18002/kunlun\_cdc**](http://192.168.0.128:18002/kunlun_cdc)

目前output\_plugins仅支持event\_file和event\_kunlunsql

删除dump table

curl -d '

{

"version":"1.0",

"job\_id":"",

"job\_type":"del\_dump\_table",

"timestamp":"1435749309",

"user\_name":"kunlun\_test",

"paras":{

"meta\_db":"192.168.0.136:28001,192.168.0.128:28001,192.168.0.125:28001",

"cluster\_name":"cluster\_1679555702\_000002",

"dump\_tables":"postgres\_$$\_public.sbtest1,postgres\_$$\_public.sbtest2"

}

}

' -X POST <http://192.168.0.128:18002/kunlun_cdc>

获取当前leader node

curl -d '

{

"version":"1.0",

"job\_id":"",

"job\_type":"get\_leader",

"timestamp":"1435749309",

"user\_name":"kunlun\_test"

}

' -X POST <http://192.168.0.125:58000/kunlun_cdc>

获取dump table任务状态

curl -d '

{

"version":"1.0",

"job\_id":"",

"job\_type":"get\_job\_state",

"timestamp":"1435749309",

"user\_name":"kunlun\_test",

"paras":{

"meta\_db":"192.168.0.136:28001,192.168.0.128:28001,192.168.0.125:28001",

"cluster\_name":"cluster\_1679555702\_000002",

"dump\_tables":"postgres\_$$\_public.sbtest1,postgres\_$$\_public.sbtest2"

}

}

' -X POST http://192.168.0.128:18002/kunlun\_cdc

kunlun\_cdc部署说明

1.获取kunlun\_cdc安装包，解压到目标目录下。

2. 到conf目录下修改kunlun\_cdc.cnf文件

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[Base\_Config]

############################################

# base config

local\_ip = 192.168.0.136

http\_port = 18002

log\_file\_path = ../log/kunlun\_cdc

log\_file\_size = 500

基础配置

Local\_ip为本机ip地址

http\_port为kunlun\_cdc监听到端口

log\_file\_path和log\_file\_size 为kunlun\_cdc日志配 置

[Binlog\_Config]

############################################

# connect cluster shards strategy

allow\_dump\_shard\_master = 0

dump\_shard\_node\_max\_delay = 1800

loop\_query\_shard\_state = 10

loop\_report\_cdc\_sync\_state = 5

binlog\_msg\_queue\_len = 1024

pending\_binlog\_event\_num = 1000

reserve\_binlog\_event\_dir = ../data/reserve\_dir

kunlun\_cdc dump binlog相关配置

allow\_dump\_shard\_master是否允许从shard主上dump，默认为0

dump\_shard\_node\_max\_delay 为dump的shard 备节点允许的最大延迟，如果该节点延迟大约配置值，则kunlun\_cdc自动选择shard其他备节点

loop\_query\_shard\_state 查询dump shard 状态时间间隔

loop\_report\_cdc\_sync\_state dump表状态固化时间间隔

[HA\_Config]

############################################

# config paxos

ha\_group\_member = 192.168.0.125:18001,192.168.0.136:18001,192.168.0.128:18001

server\_id = 2

paxosdata\_dir = ../data/paxosdata

paxoslog\_dir = ../data/paxoslog

paxosdata\_compress = 0

paxosdata\_write\_buffer\_size = 2

paxosdata\_max\_write\_buffer\_number = 2

paxosdata\_min\_writer\_buffer\_number\_to\_merge = 1

paxosdata\_max\_backgroup\_compactions = 6

paxosdata\_max\_bytes\_for\_level\_base = 64

paxosdata\_target\_File\_size\_base = 64

paxosdata\_level0\_slowdown\_writes\_trigger = 12

paxosdata\_level0\_stop\_writes\_trigger = 16

paxosdata\_block\_cache\_size = 5

paxosdata\_block\_size = 64

paxosdata\_bloom\_filter\_bits\_per\_key = 10

paxosdata\_block\_based\_bloom\_filter = 0

kunlun\_cdc高可用配置

ha\_group\_member kunlun\_cdc集群节点ip:port，个数要求为奇数

server\_id为该节点ip:port 在ha\_group\_member中位置，例如该机器为192.168.0.136:18001，则server\_id=2