

# Greenplum常用命令、函数

## ▪ Greenplum常用查询命令

#查看test\_bd事务(即数据库)下的所有表名包含 user 的 表信息

```
SELECT UPPER(A.SCHEMANAME) AS SCHEMANAME, UPPER(A.TABLENAME) AS TABLENAME,
D.ATTRELID,D.ATTRELID :: regclass, UPPER(D.ATTNAME) AS ATTNAME,
REPLACE(REPLACE(REPLACE(FORMAT_TYPE(D.ATTYPID, D.ATTYPMOD), 'numeric','NUMBER'),
'character varying','VARCHAR2'),'date','DATE') AS DATA_TYPE,E.DESCRPTION
FROM PG_TABLES AS A
INNER JOIN PG_CLASS AS B ON A.TABLENAME = B.RELNAME
LEFT JOIN PG_CATALOG.PG_DESCRIPTION AS E ON B.OID = E.OBJOID
LEFT JOIN PG_CATALOG.PG_ATTRIBUTE AS D ON D.ATTRELID = E.OBJOID AND D.ATTNUM = E.OBJSUBID
WHERE SCHEMANAME = 'test_bd'
AND A.TABLENAME LIKE '%user%'
AND D.ATTNUM > 0
ORDER BY A .TABLENAME,D.ATTNUM
```

select pg\_size\_pretty(pg\_database\_size('gp\_db')); #查看gp数据库大小

select gp\_segment\_id,count(\*) from db\_name.tb\_name group by gp\_segment\_id; #查看数据分布情况

- 1.创建数据库 createdb test\_db;
- 2.删除数据库 dropdb test\_db;
- 3.创建模式 create schema myschema;
- 4.删除模式 drop schema myschema;
- 5.创建用户 create user user\_name with password '123456' ;
- 6.删除用户 drop user user\_name;
- 7.查看系统用户信息 select username from pg\_user;
- 8.查看版本信息 select version();
- 9.打开psql交互工具 psql name\_db;
- 10.执行sql文件 mydb=> \i basics.sql \i 命令从指定的文件中读取命令。
- 11.批量将文本文件中内容导入到wether表 copy weather from '/home/user/weather.txt';
- 12.查看搜索模式 show search\_path;
- 13.设置搜索模式 set search\_path to myschema,public;
- 14.创建表空间 create tablespace spacename\_tb location 'file\_path';
- 15.显示默认表空间 show default\_tablespace;
- 16.设置默认表空间 set default\_tablespace=表空间名称;
- 17.指定用户登录 psql mtps -u
- 18.显示当前系统时间 select now() ;
- 19.配置plpgsql语言 create language 'plpgsql' handler plpgsql\_call\_handler;
- 20.删除规则 drop rule name on relation [ cascade | restrict ];
- 21.当前日期属于一年中第几周 select extract(week from timestamp '2020-06-14');
- 22.查询表是否存在 select \* from pg\_statio\_user\_tables where relname='test\_tb';
- 23.导出表 ./pg\_dump -p 端口号 -u 用户 -t 表名称 -f 备份文件位置 数据库 ;
- 24.整个数据库导出 pg\_dumpall -d -p 端口号 -h 服务器ip -u postgres(用户名) > /home/xiaop/all.bak
- 25.数据库备份恢复 psql -h 192.168.0.48 -p 5433 -u postgres
- 26.数据库备份 pg\_dumpall -h 192.168.0.4 -p 5433 -u postgres >/databack/postgresql2020061401.dmp
- 27.当前日期函数 select current\_date;
- 28.返回第十条开始的5条记录 select \* from tbname limit 5 offset 10;
- 29.查看数据库大小 select pg\_size\_pretty(pg\_database\_size('mtps')) as fulldbsize;
- 30.查看数据库表大小 select pg\_size\_pretty(pg\_total\_relation\_size('test\_db.t\_l\_collectfile')) as fulltblsize,pg\_size\_pretty(pg\_relation\_size('test\_db.t\_l\_collectfile')) as justthetblsize;
- 31.设置执行超过指定秒数的sql语句输出到日志 log\_min\_duration\_statement = 3
- 32.超过一定秒数sql自动执行执行计划 shared\_preload\_libraries = 'auto\_explain',custom\_variable\_classes = 'auto\_explain',auto\_explain.log\_min\_duration = 4s
- 33.数据库备份  
select pg\_start\_backup('backup baseline');  
select pg\_stop\_backup();  
recovery.conf  
restore\_command='cp /opt/buxlog/%f %p'
- 34.数据字典查看表结构 select column\_name, data\_type from information\_schema.columns where table\_name = 'test\_tb';
- 35.查询表结构 select a.attnum,a.attname as field,t.typname as type,a.attlen as length,a.atttypmod as lengthvar,a.attnotnull as notnull from pg\_class c,pg\_attribute a,pg\_type t where c.relname=表名称and a.attnum > 0 and a.attrelid = c.oid and a.atttypid = t.oid
- 36.将查询结果直接输出到文件， 在psql中 \o 文件路径  
select datname,rolname from pg\_database a left outer join pg\_roles b on a.datdba=b.oid; \o

### 回滚日志强制恢复 pg\_resetxlog -f 数据库文件路径

```
row number() over(partition by XXX order by XXX desc); -- 生成序列号
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max() over(partition by XXX order by XXX);  
avg() over(partition by XXX order by XXX);

--取最大值  
--取平均值