



链滴

简单测试 mysql8.0 的 like 和 regexp

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来源网站: [链滴](#)

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准备大盘机一只

```

debian@admin:~$ screenfetch
  __met$$$$$gg.
 ,g$$$$$$$$$$$$$P.
 ,g$P' " " "Y$.
 ,$$P' " " "Y$.
 ,$$P' ,gg$. $b:
 d$$' , $P' " " $$$
 $$P' d$' " " $$$
 $$: $$: " " ,d$$'
 $$\; Y$b._ ,d$P'
 Y$$. " "Y$$$$$P"
 `$$b " "
 Y$$
 Y$$.
 $b.
 Y$b.
 "Y$b._
 " "
  -----
debian@admin:~$ wget -qO- bench.sh | bash
-----
CPU model      : Intel Core Processor (Haswell, no TSX)
Number of cores : 1
CPU frequency  : 2399.990 MHz
Total size of Disk : 3064.9 GB (106.1 GB Used)
Total amount of Mem : 1956 MB (695 MB Used)
Total amount of Swap : 0 MB (0 MB Used)
System uptime   : 0 days, 13 hour 1 min
Load average    : 4.12, 3.52, 3.29
OS              : Debian GNU/Linux 9
Arch            : x86_64 (64 Bit)
Kernel          : 4.9.0-8-amd64

debian@admin:/opt$ df -h
Filesystem      Size      Used Avail Use% Mounted on
udev            968M      0    968M   0% /dev
tmpfs           196M      2.9M   193M   2% /run
/dev/sda1       9.9G      8.1G   1.4G  86% /
tmpfs           979M      0    979M   0% /dev/shm
tmpfs           5.0M      0    5.0M   0% /run/lock
tmpfs           979M      0    979M   0% /sys/fs/cgroup
/dev/sdb1       1007G     22G   935G   3% /opt/sdb1
/dev/sdc1       2.0T      81M   1.9T   1% /opt/sdc1
debian@admin:/opt$ cd sdc1/

```

测试数据1300w <http://51.75.197.128/zsky20171028.zip>

```
debian@admin:~$ ls /opt/sdb1/ -l
total 3887832
drwx----- 2 root root          16384 Nov 18 15:17 lost+found
-rw-r--r-- 1 root root 6835321630 Apr 24 2018 zsky20171028.zip
-rw-r--r-- 1 root root 32976056439 Oct 23 2017 zsky.sql
```

安装mysql8.0

下载源 `wget https://dev.mysql.com/get/mysql-apt-config_0.8.10-1_all.deb`

```

debian@admin:~$ wget https://dev.mysql.com/get/mysql-apt-config_0.8.10-1_all.deb
--2018-11-19 02:33:16-- https://dev.mysql.com/get/mysql-apt-config_0.8.10-1_all.deb
Resolving dev.mysql.com (dev.mysql.com)... 137.254.60.11
Connecting to dev.mysql.com (dev.mysql.com)|137.254.60.11|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://repo.mysql.com/mysql-apt-config_0.8.10-1_all.deb [following]
--2018-11-19 02:33:17-- https://repo.mysql.com/mysql-apt-config_0.8.10-1_all.deb
Resolving repo.mysql.com (repo.mysql.com)... 23.56.185.130
Connecting to repo.mysql.com (repo.mysql.com)|23.56.185.130|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 35970 (35K) [application/x-debian-package]
Saving to: 'mysql-apt-config_0.8.10-1_all.deb'

mysql-apt-config_0.8.10-1_all.deb      100%[=====] 35.13K  --.-KB/s   in 0.001s

2018-11-19 02:33:17 (26.6 MB/s) - 'mysql-apt-config_0.8.10-1_all.deb' saved [35970/35970]

```

安装源 `sudo dpkg -i mysql-apt-config 0.8.10-1 all.deb`

```

debian@admin:~$ sudo dpkg -i mysql-apt-config_0.8.10-1_all.deb
Selecting previously unselected package mysql-apt-config.
(Reading database ... 29418 files and directories currently installed.)
Preparing to unpack mysql-apt-config_0.8.10-1_all.deb ...
Unpacking mysql-apt-config (0.8.10-1) ...
Setting up mysql-apt-config (0.8.10-1) ...
Warning: apt-key should not be used in scripts (called from postinst maintainer script of the package mysql-apt-config)
key 8C71803B5072E1F5:
75 signatures not checked due to missing keys
OK
debian@admin:~$ apt update

```

更新一下 apt update,在线安装 sudo apt-get install mysql-server

```

debian@admin:~$ sudo apt-get install mysql-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libmecab2 libnuma1 libperl5.24 libsasl2-2 libsasl2-modules-db mysql-client mysql-common mysql-community-client mysql-community-client-core mysql-community-server
  mysql-community-server-core perl perl-modules-5.24 psmisc
Suggested packages:
  perl-doc libterm-readline-gnu-perl | libterm-readline-perl-perl make
Recommended packages:
  libsasl2-modules mecab-ipadic-utf8 rename
The following NEW packages will be installed:
  libmecab2 libnuma1 libperl5.24 libsasl2-2 libsasl2-modules-db mysql-client mysql-common mysql-community-client mysql-community-client-core mysql-community-server
  mysql-community-server-core mysql-server perl perl-modules-5.24 psmisc
0 upgraded, 15 newly installed, 0 to remove and 1 not upgraded.
Need to get 51.5 MB of archives.
After this operation, 408 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://deb.debian.org/debian stretch/main amd64 perl-modules-5.24 all 5.24.1-3+deb9u4 [2,724 kB]
Get:2 http://repo.mysql.com/apt/debian stretch/mysql-8.0 amd64 mysql-common amd64 8.0.13-1debian9 [84.2 kB]
Get:3 http://deb.debian.org/debian stretch/main amd64 libperl5.24 amd64 5.24.1-3+deb9u4 [3,522 kB]
Get:4 http://repo.mysql.com/apt/debian stretch/mysql-8.0 amd64 mysql-community-client-core amd64 8.0.13-1debian9 [1,434 kB]
Get:5 http://deb.debian.org/debian stretch/main amd64 perl amd64 5.24.1-3+deb9u4 [218 kB]
Get:6 http://deb.debian.org/debian stretch/main amd64 libmecab2 amd64 0.996-3.1 [256 kB]
Get:7 http://deb.debian.org/debian stretch/main amd64 libnuma1 amd64 2.0.11-2.1 [33.3 kB]
Get:8 http://deb.debian.org/debian stretch/main amd64 libsasl2-modules-db amd64 2.1.27-101-g0780600+dfsg-3 [68.2 kB]
Get:9 http://deb.debian.org/debian stretch/main amd64 libsasl2-2 amd64 2.1.27-101-g0780600+dfsg-3 [105 kB]
Get:10 http://deb.debian.org/debian stretch/main amd64 psmisc amd64 22.21-2.1+b2 [123 kB]
Get:11 http://repo.mysql.com/apt/debian stretch/mysql-8.0 amd64 mysql-community-client amd64 8.0.13-1debian9 [2,291 kB]
Get:12 http://repo.mysql.com/apt/debian stretch/mysql-8.0 amd64 mysql-client amd64 8.0.13-1debian9 [80.9 kB]
Get:13 http://repo.mysql.com/apt/debian stretch/mysql-8.0 amd64 mysql-community-server-core amd64 8.0.13-1debian9 [17.3 MB]
Get:14 http://repo.mysql.com/apt/debian stretch/mysql-8.0 amd64 mysql-community-server amd64 8.0.13-1debian9 [23.2 MB]
Get:15 http://repo.mysql.com/apt/debian stretch/mysql-8.0 amd64 mysql-server amd64 8.0.13-1debian9 [80.9 kB]
Fetched 51.5 MB in 5s (8,695 kB/s)
Preconfiguring packages ...
Selecting previously unselected package perl-modules-5.24.
(Reading database ... 29423 files and directories currently installed.)
Preparing to unpack .../00-perl-modules-5.24_5.24.1-3+deb9u4_all.deb ...
Unpacking perl-modules-5.24 (5.24.1-3+deb9u4) ...
Selecting previously unselected package libperl5.24:amd64.
Preparing to unpack .../01-libperl5.24_5.24.1-3+deb9u4_amd64.deb ...
Unpacking libperl5.24:amd64 (5.24.1-3+deb9u4) ...
Selecting previously unselected package perl.
Preparing to unpack .../02-perl_5.24.1-3+deb9u4_amd64.deb ...
Unpacking perl (5.24.1-3+deb9u4) ...
Selecting previously unselected package mysql-common.
Preparing to unpack .../03-mysql-common_8.0.13-1debian9_amd64.deb ...
Unpacking mysql-common (8.0.13-1debian9) ...
Selecting previously unselected package mysql-community-client-core.
Preparing to unpack .../04-mysql-community-client-core_8.0.13-1debian9_amd64.deb ...
Unpacking mysql-community-client-core (8.0.13-1debian9) ...
Selecting previously unselected package mysql-community-client.
Preparing to unpack .../05-mysql-community-client_8.0.13-1debian9_amd64.deb ...
Unpacking mysql-community-client (8.0.13-1debian9) ...
Selecting previously unselected package mysql-client.
Preparing to unpack .../06-mysql-client_8.0.13-1debian9_amd64.deb ...
Unpacking mysql-client (8.0.13-1debian9) ...
Selecting previously unselected package libmecab2:amd64.
Preparing to unpack .../07-libmecab2_0.996-3.1_amd64.deb ...
Unpacking libmecab2:amd64 (0.996-3.1) ...
Selecting previously unselected package libnuma1:amd64.

```

安装完成,查看状态 sudo service mysql status

```

debian@admin:~$ sudo service mysql status
• mysql.service - MySQL Community Server
   Loaded: loaded (/lib/systemd/system/mysql.service; enabled; vendor preset: enabled)
   Active: active (running) since Mon 2018-11-19 02:35:40 UTC; 9s ago
     Docs: man:mysqld(8)
           http://dev.mysql.com/doc/refman/en/using-systemd.html
   Process: 3033 ExecStartPre=/usr/share/mysql-8.0/mysql-systemd-start pre (code=exited, status=0/SUCCESS)
   Main PID: 3068 (mysqld)
    Status: "SERVER_OPERATING"
     Tasks: 38 (limit: 4915)
   CGroup: /system.slice/mysql.service
           └─3068 /usr/sbin/mysqld

Nov 19 02:35:39 admin systemd[1]: Starting MySQL Community Server...
Nov 19 02:35:40 admin systemd[1]: Started MySQL Community Server.

```

修改mysql默认目录步骤

1, 停mysql服务 `sudo service mysql stop`

2, 迁移数据文件 `sudo cp -R /var/lib/mysql /opt/sdc1`, 授权 `sudo chown -R mysql:mysql`

```
debian@admin:/$ ls /opt/sdc1/ -l
total 20
drwx----- 2 root root 16384 Nov 18 15:15 lost+found
drwxr-x--- 7 mysql mysql 4096 Nov 19 04:44 mysql
debian@admin:/$
```

3, 修改mysql配置文件里的datadir `sudo vim /etc/mysql/mysql.conf.d/mysqld.cnf`

```
[mysqld]
pid-file      = /var/run/mysqld/mysqld.pid
socket        = /var/run/mysqld/mysqld.sock
datadir       = /opt/sdc1/mysql
#datadir      = /var/lib/mysql
log-error     = /var/log/mysql/error.log
```

4, 启动mysql服务 `sudo service mysql start`

新建用户和库

test用户 `create user 'test'@'%' identified by '123456';`

授权zsky `grant all privileges on 'zsky'.* to 'test'@'%' ;`

zsky库新建 `create database zsky;`

有个密码强度的坑，会报1251的错，自行百度

连接名:	51.75.51.75-test
主机名或 IP 地址:	51.75.51.75
端口:	3306
用户名:	test
密码:	•••••
	☒ 保存密码



导入sql

`use zsky;`
`source /opt/sdb1/zsky.sql;`

导入日志

```

Query OK, 4384 rows affected (5.44 sec)
Records: 4384 Duplicates: 0 Warnings: 0

Query OK, 4410 rows affected (38.06 sec)
Records: 4410 Duplicates: 0 Warnings: 0

Query OK, 4379 rows affected (8.33 sec)
Records: 4379 Duplicates: 0 Warnings: 0

Query OK, 4400 rows affected (5.48 sec)
Records: 4400 Duplicates: 0 Warnings: 0

Query OK, 4390 rows affected (8.42 sec)
Records: 4390 Duplicates: 0 Warnings: 0

Query OK, 4395 rows affected (4.54 sec)
Records: 4395 Duplicates: 0 Warnings: 0

Query OK, 4392 rows affected (5.71 sec)
Records: 4392 Duplicates: 0 Warnings: 0

Query OK, 4392 rows affected (5.20 sec)
Records: 4392 Duplicates: 0 Warnings: 0

Query OK, 4398 rows affected (5.45 sec)
Records: 4398 Duplicates: 0 Warnings: 0

Query OK, 4392 rows affected (3.52 sec)
Records: 4392 Duplicates: 0 Warnings: 0

Query OK, 4402 rows affected (4.43 sec)
Records: 4402 Duplicates: 0 Warnings: 0

Query OK, 4385 rows affected (7.69 sec)
Records: 4385 Duplicates: 0 Warnings: 0

Query OK, 4400 rows affected (4.30 sec)
Records: 4400 Duplicates: 0 Warnings: 0

Query OK, 4396 rows affected (5.42 sec)
Records: 4396 Duplicates: 0 Warnings: 0

Query OK, 4396 rows affected (4.51 sec)
Records: 4396 Duplicates: 0 Warnings: 0

```

导入前磁盘

```

debian@admin:~$ df -h
Filesystem      Size  Used Avail Use% Mounted on
udev            968M    0 968M   0% /dev
tmpfs           196M  2.9M 193M   2% /run
/dev/sda1       9.9G  1.7G  7.8G  18% /
tmpfs           979M    0 979M   0% /dev/shm
tmpfs           5.0M    0  5.0M   0% /run/lock
tmpfs           979M    0 979M   0% /sys/fs/cgroup
/dev/sdb1       1007G  12G  945G   2% /opt/sdb1
/dev/sdc1       2.0T   81M  1.9T   1% /opt/sdc1

```

导入中磁盘1

```

debian@admin:/opt/sdb1$ df -h
Filesystem      Size  Used Avail Use% Mounted on
udev            968M    0 968M   0% /dev
tmpfs           196M  2.9M 193M   2% /run
/dev/sda1       9.9G  8.1G  1.4G  86% /
tmpfs           979M    0 979M   0% /dev/shm
tmpfs           5.0M    0  5.0M   0% /run/lock
tmpfs           979M    0 979M   0% /sys/fs/cgroup
/dev/sdb1       1007G  38G  919G   4% /opt/sdb1
/dev/sdc1       2.0T   29G  1.9T   2% /opt/sdc1

```

导入中磁盘2

```

debian@admin:/$ df -h
Filesystem      Size  Used Avail Use% Mounted on
udev            968M    0 968M   0% /dev
tmpfs           196M  2.9M 193M   2% /run
/dev/sda1       9.9G  8.1G  1.4G  86% /
tmpfs           979M    0 979M   0% /dev/shm
tmpfs           5.0M    0  5.0M   0% /run/lock
tmpfs           979M    0 979M   0% /sys/fs/cgroup
/dev/sdb1       1007G  38G  919G   4% /opt/sdb1
/dev/sdc1       2.0T   61G  1.9T   4% /opt/sdc1
debian@admin:/$

```

坑了，导入一半，超时断了☹sob

```
Query OK, 4389 rows affected (2.19 sec)
Records: 4389 Duplicates: 0 Warnings: 0

Query OK, 4396 rows affected (2.82 sec)
Records: 4396 Duplicates: 0 Warnings: 0

Query OK, 4392 rows affected (2.66 sec)
Records: 4392 Duplicates: 0 Warnings: 0

Connection closed by foreign host.

Type 'help' to learn how to use Xshell prompt.
[c:\Users\admin]$
```

只有437w,下次用nohup/screen,选用这个量测试一下

<pre>1 select count(1) from search_hash</pre>			
信息	结果1	概况	状态
count(1)			
4376012			

结果

远程连接：

```
[SQL]select count(1) from search_hash where name LIKE '%天龙八部%'
```

受影响的行: 0

时间: 115.973s

```
[SQL]select count(1) from search_hash where name REGEXP '天龙八部';
```

受影响的行: 0

时间: 27.523s

linux本机连接：

```
mysql> use zsky;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> select count(1) from search_hash where name LIKE '%天龙八部%';
+-----+
| count(1) |
+-----+
|      16 |
+-----+
1 row in set (36.20 sec)

mysql> select count(1) from search_hash where name REGEXP '天龙八部';
+-----+
| count(1) |
+-----+
|      16 |
+-----+
1 row in set (8.74 sec)

mysql>
```

```
mysql> select * from search_hash where name REGEXP '天龙八部';
```

id	info_hash	category	data_hash	name	requests	comment	creator
extension	classified	source_ip	tagged	length	create_time	last_seen	
142592	f0e520c8b412b9c98288c95aee00a4c7b68c2d9	影视	774dbe9855a127a5e49d8f3112244406	天龙八部(黄日华)@优酷音乐@影视天堂@妈咪	23		
.rmvb	0	14.215.2.108	0	6637226235	2017-08-26 06:55:35	2017-10-04 03:58:03	
708285	67344c99a73a6c65b77f5c3e68528ffca0e6d6	影视	ee85e41c2d6c86cbcd98e8cde5420f4	[TVB][天龙八部][粤语字幕45集][TV-RMVB][PK]	338		
.rmvb	0	203.215.214.62	0	10271359382	2017-08-26 14:34:40	2017-10-23 16:16:05	
1122891	f564016ba9c37703c5e7652d70ff3c931041f7e4	影视	f1993c46ffec1c8723c4325fc263dbc4	www.bluesma.com.cn蓝魂影视论坛[天龙八部1-40集(全)]	53		
.rmvb	0	113.226.15.27	0	8183317103	2017-08-26 18:35:02	2017-10-10 17:35:26	
1409285	70888ba7bc27d0dab33ef7962ccf39ccf81c2aef	影视	f57fefb92d000ee032abdb47131abfb1	天龙八部胡军版			
.mp4	0	14.215.1.85	0	6789827842	2017-08-26 21:39:48	2017-10-23 10:34:05	
1410696	62d09aee5afebd78e5d20eff8111300d284d58ae	音乐	d34e1095469bd729e965c6f7a19085a3	97版《天龙八部》主题曲《配乐【典藏版】	131		
.mp3	0	27.125.142.214	0	70316792	2017-08-26 21:40:38	2017-10-22 20:30:04	
1810544	a15667e780f78d4efebc635ebef1fc02b246eb99b	影视	df1572426eff38ba9aedf575984e0fbd	[TVB]天龙八部(黄日华)[国语]	87		
.rmvb	0	14.215.2.165	0	6633689824	2017-08-27 02:11:06	2017-10-21 19:47:11	
1978604	07f535ac7ce309485448d259641bcbdcfba38003	影视	5cd15eed4097099a6d85272863367b2c	[新天龙八部之天山童姥].The.Dragon.Chronicles.the.Maidens.of.Heavenly.Moun.1994.DVRip.x264.2Audio.AC3.kaixuan.mkv	121		
.mkv	0	175.6.245.42	0	1666885810	2017-08-27 04:22:21	2017-09-20 23:37:38	
2054404	11e64e9bf33d50749d88ba2f1f0d3a3de096d94b	影视	da7c4b48c00da2f2de49586baa6c050	新天龙八部2013 E1TA综合HD无台标1080P	0		
.mp4	0	14.215.1.138	0	64021137858	2017-08-27 05:20:41	2017-10-22 12:52:17	
2203690	e6ae7cc946df8c95d7a6541b2a2a281188934930	影视	eaef956c7c0961e76fba0a28d99b451be	天龙八部.40集全.2003.国语中字之CNET暴雨骤降	322		
.mkv	0	98.116.222.249	0	16835816822	2017-08-27 08:17:51	2017-10-23 17:25:52	
2216932	599b29dd6b556b0a9e53caae0edfa90b0390eb2	影视	78f641d19516255f13930eb96c7fee04	天龙八部(黄日华)	174		
.rmvb	0	14.215.1.74	0	6633433115	2017-08-27 08:35:51	2017-10-21 18:28:05	
2308007	52c61e5993f8220e196fa7a17b9d3d3d28c4663c	影视	55b956c9575e94b839583b04b0b5de6	天龙八部.全50集.1982.国语中字之CNET风雷暴	18		
.mkv	0	109.102.112.90	0	31493921110	2017-08-27 10:41:58	2017-10-23 04:09:57	
283611	22c3097605adb6c696b9c9caee0ba0a50e00a387	影视	c250b01600b710146455deec600a9fc	天龙八部	455		
.mp4	0	150.138.237.182	0	7023544450	2017-08-27 19:52:48	2017-10-15 11:16:17	
2987855	0d5a03ce8ee940947a0218b46cdfd1fe740a0deb	影视	4e74c1636c6586aa899375f67d164898	黎汉制作 天龙八部 (黄日华版)	26		
.mkv	0	14.215.3.47	0	0475742094	2017-08-27 22:30:37	2017-10-18 03:59:51	
3978602	65570629a752d12b5ce6250682c491513219647	压缩文件	de1375edc3f3a9f422f4e68dfdbc466	天龙八部2014黄志版-zip	179		
.zip	0	61.158.132.82	0	1674819	2017-08-28 21:12:29	2017-09-14 20:39:40	
4051017	e8c8e56bf3eb2e04a7c0bc186a73d5a4c4ad595	音乐	17ac02efa23349cc182cf30ad2a0c274	关菊茵, 天龙八部 (PHILIPS)	11		
.ape	0	27.125.142.214	0	214434074	2017-08-28 22:50:56	2017-10-16 21:29:07	
4319366	464c805d5c68179d40367518487b00ffaf702b0c	影视	c7811003546d57192075770d054c0ea	天龙八部	85		
.mkv	0	1.64.235.91	0	9227482402	2017-08-29 05:09:53	2017-10-23 18:26:47	

```
16 rows in set (45.11 sec)
```