**Migrating a huge database from mysql 5.5 to 5.7**

**Adding extra volume into the aws instance:**

1.We need to go into volumes in aws.

2.Click on create volume select the space required.click on create.

3.Click on actions->attach volume

4.Select the instance that needs the extra volume and click on attach.

[centos@ip-172-31-20-24 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/xvda1 7.8G 3.4G 4.1G 46% /

tmpfs 498M 0 498M 0% /dev/shm

[centos@ip-172-31-20-24 ~]$ lsblk

NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT

xvda 202:0 0 8G 0 disk

`-xvda1 202:1 0 8G 0 part /

xvdb 202:16 0 20G 0 disk

[centos@ip-172-31-20-24 ~]$ sudo fdisk -l /dev/xvda1

Disk /dev/xvda1: 8588 MB, 8588886016 bytes

255 heads, 63 sectors/track, 1044 cylinders

Units = cylinders of 16065 \* 512 = 8225280 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk identifier: 0x00000000

**Formatting the extra volume:**

[centos@ip-172-31-20-24 ~]$ sudo mkfs -t ext3 /dev/xvdb

mke2fs 1.41.12 (17-May-2010)

Filesystem label=

OS type: Linux

Block size=4096 (log=2)

Fragment size=4096 (log=2)

Stride=0 blocks, Stripe width=0 blocks

1310720 inodes, 5242880 blocks

262144 blocks (5.00%) reserved for the super user

First data block=0

Maximum filesystem blocks=4294967296

160 block groups

32768 blocks per group, 32768 fragments per group

8192 inodes per group

Superblock backups stored on blocks:

32768, 98304, 163840, 229376, 294912, 819200, 884736, 1605632, 2654208,

4096000

[centos@ip-172-31-20-24 ~]$ sudo mount /dev/xvdb /data

It is been mounted on to the instance

[centos@ip-172-31-20-24 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/xvda1 7.8G 3.4G 4.1G 46% /

tmpfs 498M 0 498M 0% /dev/shm

/dev/xvdb 20G 173M 19G 1% /data

[root@ip-172-31-20-24 lib]# cp -r mysql-back /data/

[root@ip-172-31-20-24 lib]# cd /data

[root@ip-172-31-20-24 data]# mv mysql-back mysql

[root@ip-172-31-20-24 data]# chown -R mysql:mysql /data/mysql/ permission change

[root@ip-172-31-20-24 data]# chown -R mysql:mysql /data/mysql

[root@ip-172-31-20-24 data]# ln -s /data/mysql/ /var/lib/

[root@ip-172-31-20-24 data]# chown -R mysql:mysql /var/lib/mysql

[root@ip-172-31-20-24 lib]# ll

total 88

drwxr-xr-x. 2 mysql mysql 4096 Jun 5 13:57 alternatives

drwx------. 3 mysql mysql 4096 Jun 5 13:58 authconfig

drwxr-xr-x. 8 mysql mysql 4096 Jul 24 06:08 cloud

drwxr-xr-x. 2 mysql mysql 4096 Jul 19 10:42 dhclient

drwxr-xr-x. 2 mysql mysql 4096 Sep 23 2011 games

-rw-r--r--. 1 mysql mysql 284 Jul 24 05:11 logrotate.status

drwxr-xr-x. 2 mysql mysql 4096 Jul 19 10:42 misc

lrwxrwxrwx. 1 mysql mysql 12 Jul 24 12:31 mysql -> /data/mysql/

drwxr-x--x. 5 mysql mysql 4096 Jul 24 05:06 mysql-back

drwxr-x---. 2 mysql mysql 4096 Jul 24 12:28 mysql-files

drwxr-x---. 2 mysql mysql 4096 Mar 4 14:22 mysql-keyring

drwxr-x--x. 6 mysql mysql 4096 Jul 23 13:37 mysql.bak

drwxr-x--x. 4 mysql mysql 4096 Jul 24 11:48 mysqlbkp

drwxr-xr-x. 2 mysql mysql 4096 Jun 5 13:57 plymouth

drwx------. 2 mysql mysql 4096 Jul 19 10:42 postfix

-rw-------. 1 mysql mysql 4096 Jul 24 06:08 random-seed

drwxr-xr-x. 2 mysql mysql 4096 Jul 24 04:51 rpm

drwx------. 2 mysql mysql 4096 Dec 17 2014 rsyslog

drwxr-xr-x. 2 mysql mysql 4096 Nov 18 2016 selinux

drwxr-xr-x. 2 mysql mysql 4096 Jun 5 13:57 sepolgen

drwxr-xr-x. 4 mysql mysql 4096 Jun 5 13:57 stateless

drwxr-xr-x. 3 mysql mysql 4096 Jun 5 13:57 udev

drwxr-xr-x. 6 mysql mysql 4096 Jul 23 09:51 yum

Mysql folder is linked to extra volume

[root@ip-172-31-20-24 data]# servcie mysqld restart

bash: servcie: command not found

[root@ip-172-31-20-24 data]# service mysqld restart

Stopping mysqld: [ OK ]

2018-07-24T12:32:03.118733Z mysqld\_safe Directory '/var/lib/mysql' for UNIX socket file don't exists.

MySQL Daemon failed to start.

Starting mysqld: [FAILED]

Faced this problem where the mysql server failed to start.

Had to reset mysql password for root user.

mysql> ALTER USER 'root'@'localhost' IDENTIFIED BY ’\*\*\*\*\*\*\*\*\*\*\*’;

After that changed the password using alter user command

[root@ip-172-31-20-24 lib]# mysql -hlocalhost -uroot -p pb < /home/centos/pokerbaazi-30Mar2015\_073001.sql

Enter password:

Earlier due to a linking mistake, the database was getting stored in the root drive.after the linking was done right.the database is been imported to the extra volume.

[centos@ip-172-31-20-24 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/xvda1 7.8G 7.0G 358M 96% /

tmpfs 498M 0 498M 0% /dev/shm

**/dev/xvdb 20G 610M 19G 4% /data**

[centos@ip-172-31-20-24 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/xvda1 7.8G 7.0G 358M 96% /

tmpfs 498M 0 498M 0% /dev/shm

**/dev/xvdb 20G 738M 18G 4% /data**

[centos@ip-172-31-20-24 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/xvda1 7.8G 7.0G 358M 96% /

tmpfs 498M 0 498M 0% /dev/shm

**/dev/xvdb 20G 998M 18G 6% /data**

[centos@ip-172-31-20-24 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/xvda1 7.8G 7.0G 358M 96% /

tmpfs 498M 0 498M 0% /dev/shm

**/dev/xvdb 20G 1.5G 18G 8% /data**

[centos@ip-172-31-20-24 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/xvda1 7.8G 7.0G 358M 96% /

tmpfs 498M 0 498M 0% /dev/shm

**/dev/xvdb 20G 1.5G 18G 8% /data**

[centos@ip-172-31-20-24 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/xvda1 7.8G 7.0G 358M 96% /

tmpfs 498M 0 498M 0% /dev/shm

**/dev/xvdb 20G 1.5G 18G 8% /data**

[centos@ip-172-31-20-24 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/xvda1 7.8G 7.0G 358M 96% /

tmpfs 498M 0 498M 0% /dev/shm

**/dev/xvdb 20G 1.5G 18G 8% /data**

[centos@ip-172-31-20-24 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/xvda1 7.8G 7.0G 358M 96% /

tmpfs 498M 0 498M 0% /dev/shm

**/dev/xvdb 20G 1.5G 18G 8% /data**

[centos@ip-172-31-20-24 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/xvda1 7.8G 7.0G 358M 96% /

tmpfs 498M 0 498M 0% /dev/shm

**/dev/xvdb 20G 1.5G 18G 9% /data**

[centos@ip-172-31-20-24 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/xvda1 7.8G 7.0G 358M 96% /

tmpfs 498M 0 498M 0% /dev/shm

**/dev/xvdb 20G 1.6G 18G 9% /data**

[centos@ip-172-31-20-24 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/xvda1 7.8G 7.0G 358M 96% /

tmpfs 498M 0 498M 0% /dev/shm

**/dev/xvdb 20G 2.0G 17G 11% /data**

[centos@ip-172-31-20-24 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/xvda1 7.8G 7.0G 358M 96% /

tmpfs 498M 0 498M 0% /dev/shm

**/dev/xvdb 20G 4.7G 15G 25% /data**

[centos@ip-172-31-20-24 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/xvda1 7.8G 7.0G 358M 96% /

tmpfs 498M 0 498M 0% /dev/shm

**/dev/xvdb 20G 4.7G 15G 25% /data**

[centos@ip-172-31-20-24 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/xvda1 7.8G 7.0G 358M 96% /

tmpfs 498M 0 498M 0% /dev/shm

**/dev/xvdb 20G 4.7G 15G 25% /data**

[centos@ip-172-31-20-24 ~]$ df -h

Filesystem Size Used Avail Use% Mounted on

/dev/xvda1 7.8G 7.0G 358M 96% /

tmpfs 498M 0 498M 0% /dev/shm

**/dev/xvdb 20G 4.7G 15G 25% /data**

mysql> use pb;

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> show tables;

+-----------------------------------------+

| Tables\_in\_pb |

+-----------------------------------------+

| adjustment\_transaction |

| admin\_user |

| agent\_commission\_type |

| balance\_type |

| bonus\_settings |

| bonus\_types |

| campaign\_to\_user |

| coin\_type |

| contact\_us\_info |

| countries |

| daily\_track |

| dealer\_applet |

| default\_settings |

| deposit\_limit\_settings |

| deposit\_limit\_user |

| exclude\_players |

| feedback |

| game\_history |

| game\_transaction\_history |

| game\_transaction\_history\_all |

| game\_turnover\_report |

| hand\_history |

| ip\_whitelist |

| lobby |

| lobby\_menu |

| main\_menu\_info |

| master\_transaction\_history |

| master\_transaction\_history\_all |

| master\_transaction\_history\_fppbonus |

| master\_transaction\_history\_fppbonus\_all |

| master\_transaction\_history\_loyalty |

| master\_transaction\_history\_loyalty\_all |

| master\_transaction\_history\_playmoney |

| master\_transaction\_history\_vip |

| message |

| minigames |

| minigames\_type |

| netcore\_api\_tracking |

| partner |

| partner\_turnover\_report\_daily |

| partners\_balance |

| partners\_transaction\_details |

| partners\_transaction\_type |

| partners\_type |

| payment\_provider |

| payment\_trans\_detail |

| payment\_transaction |

| payment\_transfer\_mode |

| player\_notes |

| points\_transaction\_history |

| poker\_configuration |

| poker\_language\_settings |

| poker\_play |

| poker\_wallet\_transaction |

| poker\_wallet\_transaction\_history |

| prize\_type |

| promo\_campaign |

| promo\_campaign\_type |

| promo\_clicks |

| promo\_rule |

| promo\_status |

| promo\_type |

| refer\_friend\_bonus |

| report |

| reporting\_issue |

| ring\_favourate\_table |

| role |

| role\_to\_admin |

| site\_assets |

| site\_associations |

| site\_categories |

| site\_contact\_details |

| site\_content |

| site\_content\_frontpage |

| site\_content\_rating |

| site\_ec\_video\_items |

| site\_extensions |

| site\_finder\_types |

| site\_jinc\_attribute |

| site\_jinc\_attribute\_name |

| site\_jinc\_attribute\_test |

| site\_jinc\_message |

| site\_jinc\_newsletter |

| site\_languages |

| site\_menu |

| site\_menu\_types |

| site\_modules |

| site\_modules\_menu |

| site\_newsfeeds |

| site\_overrider |

| site\_redevent\_attachments |

| site\_redevent\_categories |

| site\_redevent\_event\_category\_xref |

| site\_redevent\_event\_venue\_xref |

| site\_redevent\_events |

| site\_redirect\_links |

| site\_rokadminaudit |

| site\_rokuserstats |

| site\_rsgallery2\_acl |

| site\_rsgallery2\_comments |

| site\_rsgallery2\_config |

| site\_rsgallery2\_files |

| site\_rsgallery2\_galleries |

| site\_schemas |

| site\_sef\_statistics |

| site\_sef\_statistics\_bak |

| site\_sef\_subdomains |

| site\_sef\_subdomains\_bak |

| site\_sefaliases |

| site\_sefaliases\_bak |

| site\_sefexts |

| site\_sefexts\_bak |

| site\_sefexttexts |

| site\_sefexttexts\_bak |

| site\_seflog |

| site\_seflog\_bak |

| site\_sefmoved |

| site\_sefmoved\_bak |

| site\_sefurls |

| site\_sefurls\_bak |

| site\_sefurlword\_xref |

| site\_sefurlword\_xref\_bak |

| site\_sefwords |

| site\_sefwords\_bak |

| site\_session |

| site\_template\_styles |

| site\_tipperftw\_tips |

| site\_update\_categories |

| site\_update\_sites |

| site\_update\_sites\_extensions |

| site\_updates |

| site\_user\_notes |

| site\_user\_profiles |

| site\_user\_usergroup\_map |

| site\_usergroups |

| site\_users |

| site\_viewlevels |

| site\_wmt\_random\_gallery |

| site\_wmt\_random\_gallery\_config |

| state |

| sub\_menu\_info |

| sub\_menu\_options\_info |

| tds\_calculation |

| test1 |

| tournament |

| tournament\_levels |

| tournament\_limit |

| tournament\_poker\_play |

| tournament\_registration |

| tournament\_tables |

| tournament\_tables\_transactions |

| tournament\_type |

| tournament\_user\_wallet |

| tournament\_wallet\_transaction |

| tournament\_winner\_level |

| tracker |

| tracking |

| transaction\_status |

| transaction\_type |

| user |

| user\_account\_details |

| user\_address\_details |

| user\_billing\_address |

| user\_points |

| user\_turnover\_report\_daily |

| user\_verification |

| user\_verification\_type |

| view\_transaction\_history |

| vip\_ref\_tracker |

| winner\_level |

| withdrawal\_information |

| xdeposits\_historical\_data |

| xgame\_historical\_data |

| xtickets\_historical\_data |

| xusers\_historical\_data |

| xwithdrawal\_historical\_data |

| zcashflow\_historical\_data |

| zgames\_historical\_data |

| zpromotion\_historical\_data |

| zrevenue\_historical\_data |

| zusers\_historical\_data |

+-----------------------------------------+

181 rows in set (0.00 sec)

The database was imported completely.