**MySql Back And Restore Steps :**

**Installation and Configuration**:

1. Extract package MySqlBackup.tar.

tar –xvf MySqlBackup.tar

1. Cd ./MySqlBackup

Chmod 744 \*

1. Update the ./MySqlBackup/automysqlbackup.conf

Find below parameters, uncomment and change them.

CONFIG\_mysql\_dump\_username='Mysql user name. It must has privileges to get Lock'

CONFIG\_mysql\_dump\_password='Password'

CONFIG\_backup\_dir='The backup directory you want to store full and incremental

CONFIG\_db\_names=('databaseName1' 'databaseName2' )

CONFIG\_db\_month\_names=('databaseName1' 'databaseName2' )

CONFIG\_mysql\_dump\_master\_data=2

CONFIG\_prebackup="/etc/automysqlbackup/mysql-backup-pre"

CONFIG\_postbackup="/etc/automysqlbackup/mysql-backup-post"

1. Add following lines in mysql.cnf file

binlog-do-db="motech\_data\_services"

expire\_logs\_days=5

max\_binlog\_size=100M

binlog\_format = ROW

binlog\_do\_db = motech\_data\_services

log\_slave\_updates = true

log-bin=/var/log/mysql/data/binlog/bin-log(create path if does not exist).

1. Restart mysql.

Service mysql restart

run automysqlbackup manually to have at least one full backup from your specified databases.

After executing successfully, check the

/[BackupDirInAutomysqlbackup]/status/backup\_info file for added new information about

daily backup and for any error info check “./Backup\_Post\_Pre\_log”. The backup file

would be under /[BackupDirInAutomysqlbackup]/daily/[DatabaseName]/ .

– Run mysql-incremental manually to have at least one hourly backup. After executing, in error cases, the error info are logged into “./Backup\_Incremental\_Log” . The incremental backup files would be under /[BackupDirInAutomysqlbackup]/IncrementalBackup/ .

**Scheculing (Crontab):**

You can Schedule full backup daily at suitable time.

You can schedule mysql-incremental for more than one hour. You can find the total time of full backup from backup\_status and then based on that value you set an accurate schedule time.

**Restore Database**:

– In order to restore up to a specific time (point in time recovery), first you must restore one full daily backup and then restore sequentially related incremental backup files.

– Sample:

In sample scenario we intend to recover our data up to 2015-10-01 at 6 AM.

we have set /backup as our main backup dir and testDB as our target database.

1- mysql -u root -p DatabaseName < /backup/daily/testDB.

2- mysql -u root -p DatabaseNAme < /backup/IncrementalBackup/2015-5-

01\_Incremental/testDB/testDB\_IncrementalBackup\_2015-10-01\_03h00m

3- mysql -u root -p DatabaseNAme < /backup/IncrementalBackup/2015-5-

01\_Incremental/testDB/testDB\_IncrementalBackup\_2015-10-01\_06h00m