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RHEL / CentOS Linux FTP Cron Job for automatic ftp backup

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I need help with a cron job. A automatic ftp backup will pickup sql.tar.gz and upload to remote ftp server under CentOS Linux. How do I automate entire procedure to upload file /tmp/backup/sql.tar.gz?



[1]

You can use standard ftp client for File transfer protocol. The program allows a user to transfer files to and from a remote network site. However, modern FTP client follows little different syntax to upload file.

Here is a quick script to upload file:

```
#!/bin/sh
USERNAME="your-ftp-user-name"
PASSWORD="your-ftp-password"
SERVER="your-ftp.server.com"

# local directory to pickup *.tar.gz file
FILE="/tmp/backup"

# remote server directory to upload backup
BACKUPDIR="/pro/backup/sql"

# login to remote server
ftp -n -i $SERVER <<EOF
user $USERNAME $PASSWORD
cd $BACKUPDIR
mput $FILE/*.tar.gz
quit
EOF
```

Make sure script has executable permissions:

```
$ chmod +x /path/to/ftp.backup.script.sh
```

Setup a [cron job](#) [2] to run script at 15:30 (24 hr clock time) times:

```
15 30 * * * /path/to/ftp.backup.script.sh
```

Above script should work with all modern ftp client under any Linux / UNIX version.

A shell script to dump all mysql database and upload them via lftp program

Make sure you have lftp client installed:

```
# yum install lftp
```

```
#!/bin/bash
### MySQL Server Login Info ###
MUSER="root"
MPASS="MYSQL-ROOT-PASSWORD"
# mysql server
MHOST="localhost"

### FTP SERVER Login info ###
FTPU="FTP-SERVER-USER-NAME"
FTPP="FTP-SERVER-PASSWORD"
FTPS="FTP-SERVER-IP-ADDRESS"
```

```

MYSQL="$(which mysql) "
MYSQLDUMP="$(which mysqldump) "
BAK="/backup/mysql "
GZIP="$(which gzip) "
NOW=$(date +%d-%m-%Y)

[ ! -d $BAK ] && mkdir -p $BAK || /bin/rm -f $BAK/*

DBS="$($MYSQL -u $MUSER -h $MHOST -p$MPASS -Bse 'show databases') "
for db in $DBS
do
    FILE=$BAK/$db.$NOW-$(date +%T).gz
    $MYSQLDUMP -u $MUSER -h $MHOST -p$MPASS $db | $GZIP -9 > $FILE
done

lftp -u $FTPU,$FTPP -e "mkdir /mysql/$NOW;cd /mysql/$NOW; mput /backup/mysql/*; quit" $FTPS

```

Set a cron job:

```
# crontab -e
```

Run mysql backup ftp script everyday at midnight:

```
@midnight /path/to/mysql.backup.sh >/dev/null 2>&1
```

Related: [Increase productivity with FTP autologin and macros](#) ^[3] and [backup related shell script](#) ^[4].

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URLs in this post:

[1] Image: <http://www.cyberciti.biz/faq/faq/category/redhat-and-friends/>

[2] cron job: <http://www.cyberciti.biz/faq/how-do-i-add-jobs-to-cron-under-linux-or-unix-oses/>

[3] Increase productivity with FTP autologin and macros: <http://www.cyberciti.biz/tips/increase-productivity-with-ftp-autologin-and-macros.html>

[4] backup related shell script: <http://bash.cyberciti.biz/backup/>