

AU-Live database backup script configuration

Tomcat server side configuration

1. DB script has been configured on tomcat server
2. Script path is **/home/academia/serosoft/backup** & file name is **dbbackup.sh**
3. In **dbbackup.sh** file we have written the script as follows

```
#!/bin/bash
```

```
#This is backup script
```

```
NOWTIME=$(date +"%d-%m-%Y-%H-%M")
```

```
NOWDATE=$(date +"%m-%d-%Y")
```

```
echo Taking backup ON $NOWTIME
```

```
mkdir /home/academia/serosoft/backup/Erp_Backup/$NOWDATE
```

```
mysqldump --user=ss_root --host=10.31.80.45 --port=13306 --password=s3r0s0ft --routines --events au > /home/academia/serosoft/backup/Erp_Backup/$NOWDATE/au-$NOWTIME.sql
```

```
mysqldump --user=ss_root --host=10.31.80.45 --port=13306 --password=s3r0s0ft --routines --events au_audit > /home/academia/serosoft/backup/Erp_Backup/$NOWDATE/au_audit-$NOWTIME.sql
```

```
mysqldump --user=ss_root --host=10.31.80.45 --port=13306 --password=s3r0s0ft --routines --events academia_au > /home/academia/serosoft/backup/Erp_Backup/$NOWDATE/au_v1-$NOWTIME.sql
```

```
mysqldump --user=ss_root --host=10.31.80.45 --port=13306 --password=s3r0s0ft --routines --events au_alumni > /home/academia/serosoft/backup/Erp_Backup/$NOWDATE/au_alumni-$NOWTIME.sql
```

```
mysqldump --user=ss_root --host=10.31.80.45 --port=13306 --password=s3r0s0ft --routines --events au_applynow > /home/academia/serosoft/backup/Erp_Backup/$NOWDATE/au_applynow-$NOWTIME.sql
```

```
mysqldump --user=ss_root --host=10.31.80.12 --port=3306 --password=s3r0s0ft --routines --events koha_webpac > /home/academia/serosoft/backup/Erp_Backup/$NOWDATE/koha_webpac-$NOWTIME.sql
```

```
mysqldump --user=ss_root --host=10.31.80.19 --port=3306 --password=s3r0s0ft --routines --events au_moodle > /home/academia/serosoft/backup/Erp_Backup/$NOWDATE/au_moodle-$NOWTIME.sql
```

```
cd /home/academia/serosoft/backup/Erp_Backup/$NOWDATE
```

```
tar -cf dbbackups-$NOWTIME.tar *$NOWTIME.sql
```

```
gzip dbbackups-$NOWTIME.tar
```

```
rm -rf *$NOWTIME.sql
```

```
#Script for v2upload
```

```
tar -cvpzf /home/academia/serosoft/backup/Erp_Backup/$NOWDATE/$NOWTIME-v2_upload.tar.gz
```

```
/home/academia/serosoft/installation/v2_uploads/au
```

```
#Script for v1-backup
```

```
tar -cvpzf /home/academia/serosoft/backup/Erp_Backup/$NOWDATE/$NOWTIME-v1_images.tar.gz
```

```
/home/academia/serosoft/installation/v1-tomcat/tomcat/webapps/au_nonacad/images
```

```
tar -cvpzf /home/academia/serosoft/backup/Erp_Backup/$NOWDATE/$NOWTIME-v1_files.tar.gz
```

```
/home/academia/serosoft/installation/v1-tomcat/tomcat/webapps/au_nonacad/files
```

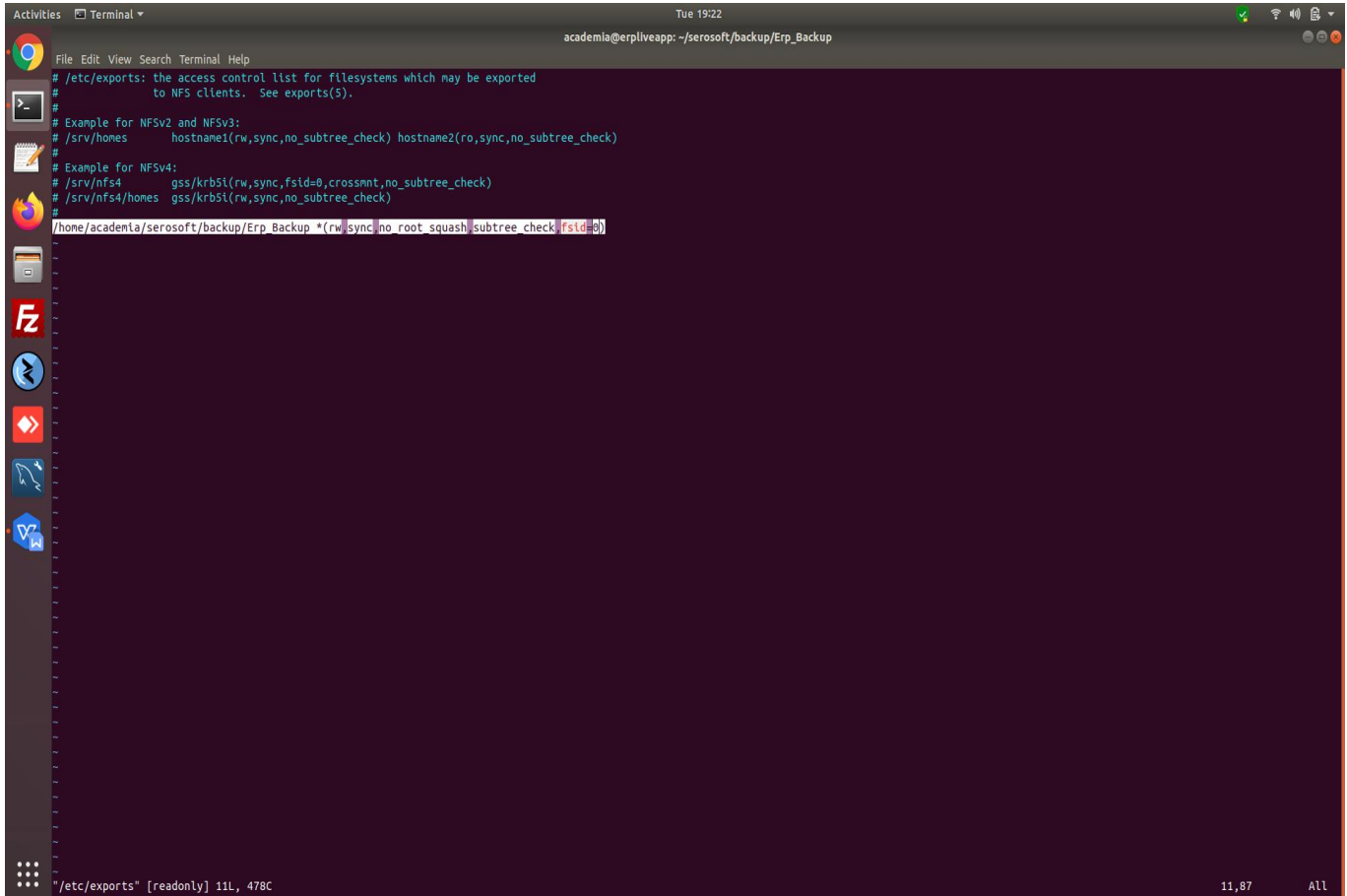
4. DB backup folder path is **/home/academia/serosoft/backup/Erp_Backup**

5. Cronjob has been set for every day 5 AM morning (**0 5 * * * sh /home/academia/serosoft/backup/dbbackup.sh**)

NFS server configuration

1. The backup folder **/home/academia/serosoft/backup/Erp_Backup** has been share to network and sync with backup server
2. We have configure NFS server which entry you will find under **/etc/exports**

/home/academia/serosoft/backup/Erp_Backup
***(rw,sync,no_root_squash,subtree_check,fsid=0)**



```
Activities Terminal
Tue 19:22
academia@erpliveapp: ~/serosoft/backup/Erp_Backup

# /etc/exports: the access control list for filesystems which may be exported
# to NFS clients.  See exports(5).
#
# Example for NFSv2 and NFSv3:
# /srv/homes hostname1(rw,sync,no_subtree_check) hostname2(ro,sync,no_subtree_check)
#
# Example for NFSv4:
# /srv/nfs4 gss/krb5i(rw,sync,fsid=0,crossmnt,no_subtree_check)
# /srv/nfs4/homes gss/krb5i(rw,sync,no_subtree_check)
#
/home/academia/serosoft/backup/Erp_Backup *(rw,sync,no_root_squash,subtree_check,fsid=0)
```

At the bottom of the terminal window, the status bar shows: `"/etc/exports" [readonly] 11L, 478C` on the left and `11,87 All` on the right.

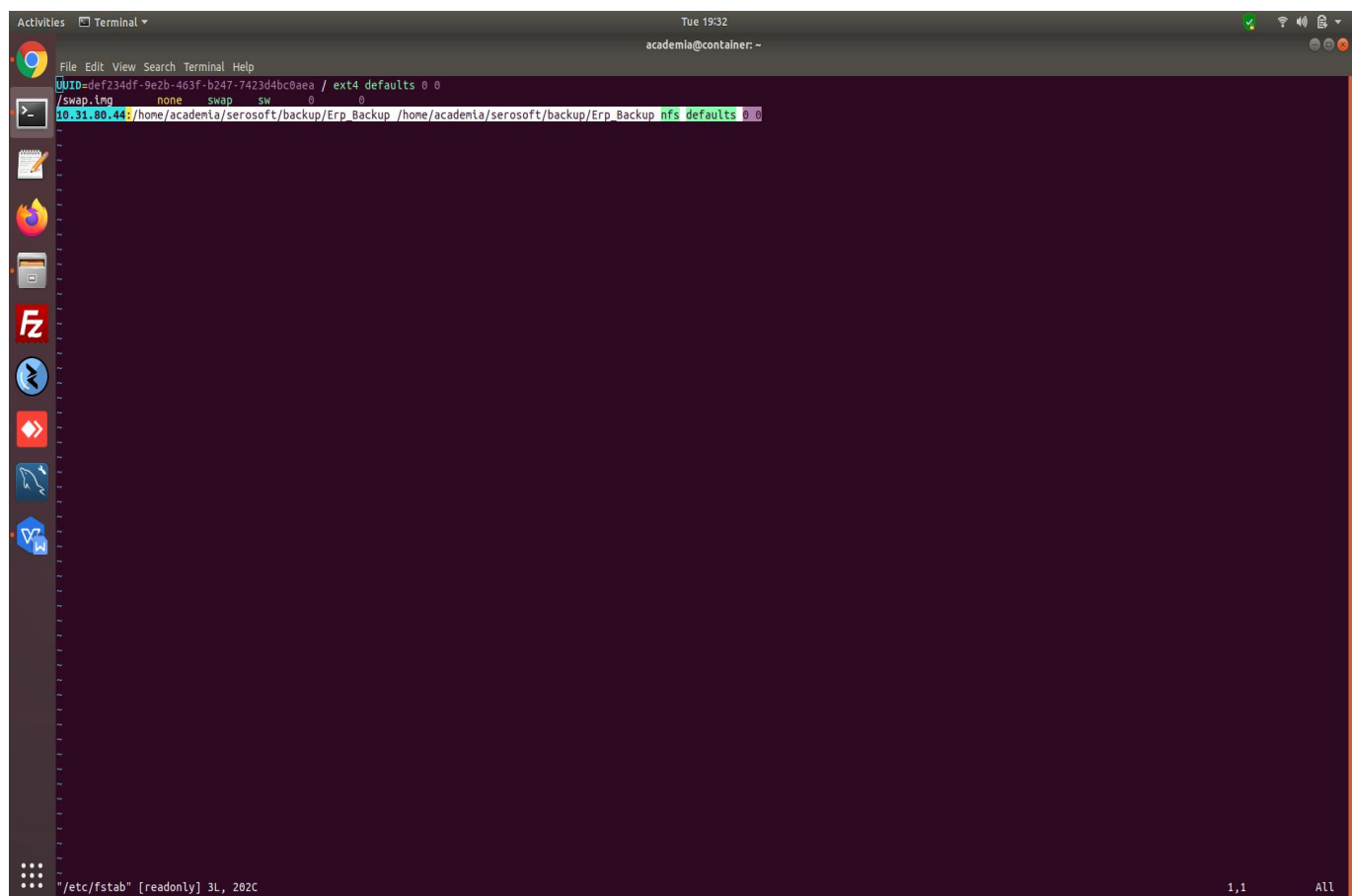
Backup server side configuration

NFS client configuration

1. On backup server we have created a folder with name **Erp_Backup** & on location **/home/academia/serosoft/backup/Erp_Backup**
2. For NFS client configuration we have updated an entry in **/etc/fstab** where all the data will sync on realtime

**10.31.80.44:/home/academia/serosoft/backup/Erp_Backup
/home/academia/serosoft/backup/Erp_Backup nfs defaults 0 0**

(Note: where 10.31.80.44 is tomcat server & nfs server ip)

A screenshot of a terminal window titled 'Terminal' with a dark background. The terminal shows the contents of the /etc/fstab file. The first line is 'UUID=def234df-9e2b-463f-b247-7423d4bc0aea / ext4 defaults 0 0'. The second line is '10.31.80.44:/home/academia/serosoft/backup/Erp_Backup /home/academia/serosoft/backup/Erp_Backup nfs defaults 0 0'. The terminal window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The status bar at the bottom shows '/etc/fstab' [readonly] 3L, 202C, 1,1, and All.

3. On path **/home/academia/serosoft/backup** we have created a script **data_move.sh** to move data from sync folder (**/home/academia/serosoft/backup/Erp_Backup**) to backup server local folder which path is **/Erp_Backup**

4. In **data_move.sh** we have written the code as follows for data move

```
#!/bin/bash  
cd /home/academia/serosoft/backup/Erp_Backup/ && mv * /Erp_Backup/  
find /Erp_Backup/* -mtime +10 -exec rm {} \;
```

5. We have set cronjob with root user to run this file every day at 6:00 PM evening

```
0 18 * * * sh /home/academia/serosoft/backup/data_move.sh
```