

High Availability: How do I clone additional MySQL databases in a Bright Cluster?

How do I clone additional MySQL databases in Bright Cluster?

The following steps show an example method that has been verified on Bright 7.3 and 8.0

1. Copy /cm/local/apps/cluster-tools/ha/conf/extradbclone.xml.template to /cm/local/apps/cluster-tools/ha/conf/extradbclone.xml

2. Add the following section to /cm/local/apps/cmd/scripts/cm-update-mycnf on both head nodes (after making a backup of the original file):

```
#####  
extradbclone=/cm/local/apps/cluster-tools/ha/conf/extradbclone.xml  
  
# additional dbs for replication  
if [[ -e "$extradbclone" ]];then  
  xmlgood=0  
  if [[ -x $xmllint ]];then  
    $xmllint $extradbclone 1>/dev/null 2>&1  
    xmlgood=$?  
  fi  
  if [[ $xmlgood -eq 0 ]];then  
    OLDIFS=$IFS  
    IFS=$'\n'  
    extradb=$(sed -e 's/<!--.*-->/g' -e '<!--/,/-->/{/!d}' $extradbclone | awk '/<db name=/' )  
    IFS=$OLDIFS  
    for db in "${extradb[@]}"; do  
      dbname=$(echo $db |cut -d' ' -f2 | sed 's/name=/' | sed 's/'//g')  
      if [[ ! $content =~ "replicate-do-db=$dbname" ]]; then  
        perl -pi.bak -e 's/(log-bin=mysql-bin)/$1\nreplicate-do-db='$dbname'/' $mycnf;  
      fi  
      if [[ ! $content =~ "binlog-do-db=$dbname" ]]; then  
        perl -pi.bak -e 's/(log-bin=mysql-bin)/$1\nbinlog-do-db='$dbname'/' $mycnf;  
      fi  
    done  
  fi  
#####
```

3. Add the additional databases in /cm/local/apps/cluster-tools/ha/conf/extradbclone.xml

Here, mydb1, mydb2, and the values for username and userpass are used as examples. Modify

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the XML file as appropriate for your own needs.

```
<dbclone>
```

```
<db name="mydb1" username="root" userpass="system" />  
<db name="mydb2" username="root" userpass="system" />
```

```
<!--  
<db name="mydb" username="root" userpass="system" servicesactive="s1,s4"  
servicespassive="s2" services="cmd"/>  
-->
```

```
</dbclone>
```

4. Run the "/cm/local/apps/cmd/scripts/cm-update-mycnf" script on both head nodes

```
/cm/local/apps/cmd/scripts/cm-update-mycnf
```

5. Create the database directories on the secondary head nodes:

```
# mkdir /var/lib/mysql/mydb1  
# mkdir /var/lib/mysql/mydb2
```

```
# chown -R mysql:mysql /var/lib/mysql/mydb1  
# chown -R mysql:mysql /var/lib/mysql/mydb2
```

6. Restart MySQL service on both head nodes:

```
# service mysqld restart
```

7. Run cmha dbreclone <passive> to clone the additional databases. This step may not be required in some cases.

```
# cmha dbreclone <passive>  
Unique solution ID: #1362  
Author: mohamed adel  
Last update: 2017-07-06 11:48
```