

Automated Data Backup on Reference Platforms

Copy the file *bu.sh* from the folder */usr/tomcat/webappd/da/WEB-INF* into the folder */root* and follow the instructions contained therein. This process is tested to work on reference operating system and database platforms, as described in [Installing on Reference Platforms](#). For other platforms, you may need to make necessary changes or choose another suitable method.

Here is the listing of *bu.sh*

```
ID="ap7.dreamapps.com"
DEST="ds1184@bu.dreamapps.com"
DIR="bu"
#####
#                BACKING UP THE DATABASE                #
#                =====                                #
#      NOTE: ^ indicates a space in a command.          #
#                                                        #
# (1) Log In as root and copy this file in to the /root #
#      directory of the server you want to back up by   #
#      cp^/usr/tomcat/webapps/da/WEB-INF/bu.sh^.        #
#                                                        #
#      Don't forget the space and the dot(.) after bu.sh #
#                                                        #
# (2) Grant execution permission by the command         #
#      chmod^u+x^/root/bu.sh                           #
#                                                        #
# (3) You MUST CHANGE the value of ID for each server  #
#      and optionally change DEST and DIR, if needed,   #
#      where                                           #
#      ID is the description of this server,           #
#      DEST is user-id and address of the destination, #
#      DIR is the destination directory.                #
#                                                        #
#      The destination server must have the folders    #
#      .ssh and bu in its default directory, like      #
#      /home/ds1184/.ssh and /home/ds1184/bu           #
#                                                        #
#      *****                                         #
#      * DON'T CHANGE ANYTHING BELOW THIS BOX! *      #
#      *****                                         #
#                                                        #
# (4) Before you can use this script, you must generate #
#      the ssh keys, as follows                       #
#      ssh-keygen^-t^dsa                               #
#                                                        #
#      and then upload it to the backup server         #
#      ssh-copy-id^-i^.ssh/id_dsa.pub^<destination>    #
```

```

#
#   Replace <destination> with the value of $DEST
#   above, like
#       ds1184@test.dreamapps.com
#
#   *****
#   * Press ENTER in reply to all prompts. *
#   *****
#
# (5) To automate backup, make a crontab entry like
#       crontab^-e
#       30^4^*^*^*/root/bu.sh
#
#   The above will cause daily backup at 4:30am.
#   To list any existing entry, use
#       crontab -l
#   For complex backup set up see cron and crontab
#   documentation.
#
#####
BU=$ID.`date +"%y%m%d"`.zip
su - postgres -c "pg_dumpall " > /var/lib/pgsql/pgall.bu
zip $BU /var/lib/pgsql/pgall.bu >> bu.log
rsync --progress -avvze ssh --delete $BU $DEST:$DIR/ >> bu.log

```

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