Linux

- Get the DBSync Linux zip file from the following URL

  http://mydbsync.com/integration/cloud-replication-for-salesforce

- Once the zip file is downloaded to the desired location on your Linux server, navigate to the folder and use the command **unzip -d /install-dir dbsync-repl-30-tomcat.zip**

```
File   Edit   View   Search   Terminal   Tabs   Help

root@localhost:/                                                              ✕

[root@localhost:/]#ls
bin     cassendra     dbsync                          dev   etc    install-dir  lost+found
boot   dbs-replica   dbsync-repl-30-tomcat.zip   dob   home   lib               master_script
[root@localhost:/]#unzip -d install-dir/ dbsync-repl-30-tomcat.zip
Archive:  dbsync-repl-30-tomcat.zip
   creating: install-dir/dbsync-repl-tomcat-7.0.22/bin/
  inflating: install-dir/dbsync-repl-tomcat-7.0.22/bin/bootstrap.jar
  inflating: install-dir/dbsync-repl-tomcat-7.0.22/bin/catalina.bat
  inflating: install-dir/dbsync-repl-tomcat-7.0.22/bin/catalina.sh
  inflating: install-dir/dbsync-repl-tomcat-7.0.22/bin/catalina-tasks.xml
  inflating: install-dir/dbsync-repl-tomcat-7.0.22/bin/commons-daemon.jar
  inflating: install-dir/dbsync-repl-tomcat-7.0.22/bin/commons-daemon-native.tar.gz
```

- The event manager of the Replication tool can be pointed to a specific directory with the following steps. The below command takes you to the directory path of the event manager of the DBSync Cloud Replication tool.

```
                                              root@dbsync:~

File   Edit   View   Search   Terminal   Help
[root@dbsync ~]# vim <DBSync Home Directory>/dbsync-repl/WEB-INF/db/conf/EventManagerConfig.xml
```

- Directory path of the event manager is shown below.

```
File  Edit  View  Search  Terminal  Help
<EventManager>
    <!--
        Folder to store persisted events (events that are still within max retry
        count when system is shutdown.
    -->
    <PersistentFolder>/home/dbsync/temp/event_manager/appl/persist</PersistentFolder>
    <!--
        Folder to store error events (events that could not be completed
        successfully by a listener, and exceed the max retry count.)
        This folder must be different from the persistence folder above.
    -->
    <ErrorEventFolder>/home/dbsync/temp/event_manager/appl/error</ErrorEventFolder>
    <!--
        Folder to store successful events.
        This folder must be different from the folder above.
    -->
    <SuccessEventFolder>/home/dbsync/temp/event_manager/appl/success</SuccessEventFolder>
    <!--
        The max number of retries the system will notify a listener before
        the listener can successfully complete the event.
    -->
```

- Directory *dbsync* must be replaced by the required directory name to point the event manager to that directory.

```
File  Edit  View  Search  Terminal  Help
<EventManager>
    <!--
        Folder to store persisted events (events that are still within max retry
        count when system is shutdown.
    -->
    <PersistentFolder>/home/<Directory Name>/temp/event_manager/appl/persist</PersistentFolder>
    <!--
        Folder to store error events (events that could not be completed
        successfully by a listener, and exceed the max retry count.)
        This folder must be different from the persistence folder above.
    -->
    <ErrorEventFolder>/home/<Directory Name>/temp/event_manager/appl/error</ErrorEventFolder>
    <!--
        Folder to store successful events.
        This folder must be different from the folder above.
    -->
    <SuccessEventFolder>/home/<Directory Name>/temp/event_manager/appl/success</SuccessEventFolder>
    <!--
        The max number of retries the system will notify a listener before
        the listener can successfully complete the event.
    -->
```

- Change the permission for the scripts by getting into the **bin** folder and provide executive permission for all the shell scripts using the command **Chmod 755 *.sh**.

```
root@localhost:/install-dir/dbsync-repl-tomcat-7.0.22/bin
[root@localhost:dbsync-repl-tomcat-7.0.22]#ls
bin    CVS           DBSync-License.txt  Information.txt  LICENSE  logs     RELEASE-NOTES
conf   dbsync.ico    dbsync-repl         lib              log      NOTICE   RUNNING.txt
[root@localhost:dbsync-repl-tomcat-7.0.22]#cd bin/
[root@localhost:bin]#chmod 755 *.sh
[root@localhost:bin]#ls -l
total 2472
-rw-r--r--. 1 root root    28805 Feb 19 10:14 bootstrap.jar
-rw-r--r--. 1 root root    13248 May  7 06:34 catalina.bat
-rwxr-xr-x. 1 root root    19189 Feb 19 10:14 catalina.sh
-rw-r--r--. 1 root root     2168 Feb 19 10:14 catalina-tasks.xml
-rw-r--r--. 1 root root    24239 Feb 19 10:14 commons-daemon.jar
-rw-r--r--. 1 root root   200759 Feb 19 10:14 commons-daemon-native.tar.gz
-rw-r--r--. 1 root root     2131 Feb 19 10:14 configtest.bat
-rwxr-xr-x. 1 root root     1982 Feb 19 10:14 configtest.sh
-rw-r--r--. 1 root root     1342 Feb 19 10:14 cpappend.bat
drwxr-xr-x. 2 root root     4096 May 15 13:37 CVS
-rwxr-xr-x. 1 root root     7492 Feb 19 10:14 daemon.sh
-rw-r--r--. 1 root root     2178 Feb 19 10:14 digest.bat
-rwxr-xr-x. 1 root root     2021 Feb 19 10:14 digest.sh
-rw-r--r--. 1 root root       18 Nov 24  2009 run.bat
-rw-r--r--. 1 root root     6380 Feb 19 22:46 service.bat
-rw-r--r--. 1 root root     3264 Feb 19 10:14 setclasspath.bat
-rwxr-xr-x. 1 root root     3524 Feb 19 10:14 setclasspath.sh
-rw-r--r--. 1 root root     2111 Feb 19 10:14 shutdown.bat
-rwxr-xr-x. 1 root root     1960 Feb 19 10:14 shutdown.sh
-rw-r--r--. 1 root root     2112 Feb 19 10:14 startup.bat
-rwxr-xr-x. 1 root root     1961 Feb 19 10:14 startup.sh
-rw-r--r--. 1 root root  1588736 Feb 19 10:14 tcnative-1.dll
-rw-r--r--. 1 root root   103936 Feb 19 10:14 tomcat7.exe
-rw-r--r--. 1 root root   104448 Feb 19 10:14 tomcat7w.exe
-rw-r--r--. 1 root root    38161 Feb 19 10:14 tomcat-juli.jar
-rw-r--r--. 1 root root   288166 Feb 19 10:14 tomcat-native.tar.gz
-rw-r--r--. 1 root root     4114 Feb 19 10:14 tool-wrapper.bat
-rwxr-xr-x. 1 root root     5086 Feb 19 10:14 tool-wrapper.sh
-rw-r--r--. 1 root root     2116 Feb 19 10:14 version.bat
-rwxr-xr-x. 1 root root     1965 Feb 19 10:14 version.sh
```

- At this point the DBSync Cloud Replication tool is installed on your Linux server. You can start the DBSync Cloud Replication tool by navigating to the **bin** folder and running the command from the terminal window **./catalina.sh start**.


```
root@localhost:/install-dir/dbsync-repl-tomcat-7.0.22/bin
[root@localhost:bin]#ls
bootstrap.jar          commons-daemon.jar                cpappend.bat  digest.sh
catalina.bat           commons-daemon-native.tar.gz  CVS           run.bat
catalina.sh            configtest.bat                    daemon.sh     service.bat
catalina-tasks.xml     configtest.sh                     digest.bat    setclasspath.bat
[root@localhost:bin]#./catalina.sh start
Using CATALINA_BASE:   /install-dir/dbsync-repl-tomcat-7.0.22
Using CATALINA_HOME:   /install-dir/dbsync-repl-tomcat-7.0.22
Using CATALINA_TMPDIR: /install-dir/dbsync-repl-tomcat-7.0.22/temp
Using JRE_HOME:        /usr/java/jdk1.7.0_07
Using CLASSPATH:       /install-dir/dbsync-repl-tomcat-7.0.22/bin/bootstrap.jar:
[root@localhost:bin]#ps -ef | grep java
root      3334     1 60 09:55 pts/0    00:00:15 /usr/java/jdk1.7.0_07/bin/java -
erties -Djava.util.logging.manager=org.apache.juli.ClassLoaderLogManager -Djava.
bsync-repl-tomcat-7.0.22/bin/bootstrap.jar:/install-dir/dbsync-repl-tomcat-7.0.22
.home=/install-dir/dbsync-repl-tomcat-7.0.22 -Djava.io.tmpdir=/install-dir/dbsync
root      3366  2594  1 09:56 pts/0    00:00:00 grep java
[root@localhost:bin]#clear
```
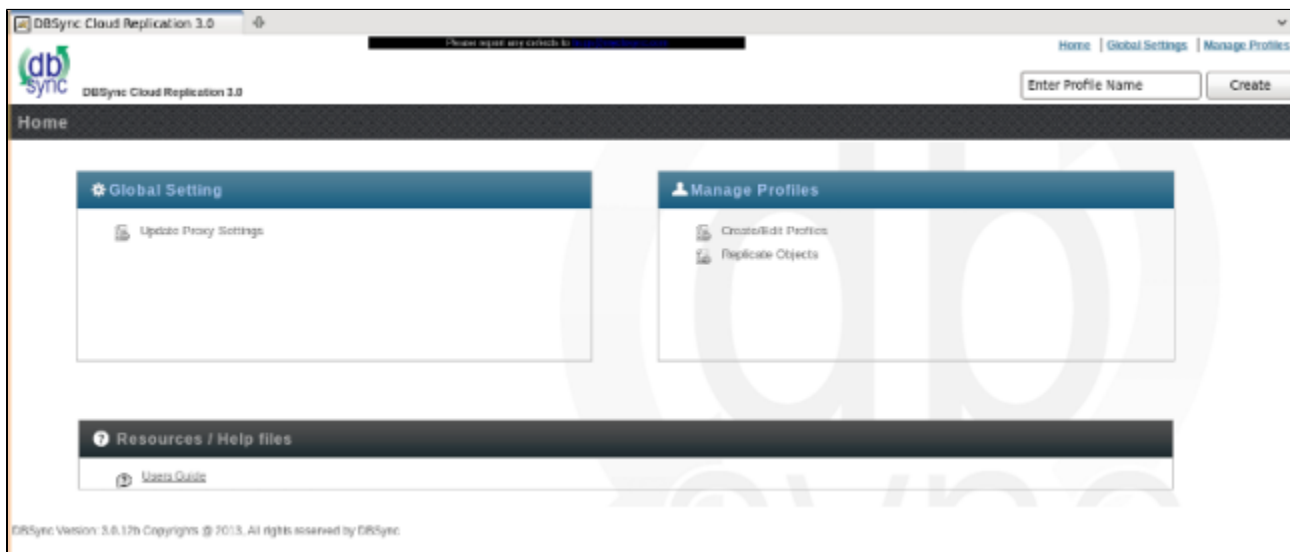
- To check the logs you can run the command ***tail --f logs/catalina.out*** as illustrated in the below screenshot


```
root@localhost:/install-dir/dbsync-repl-tomcat-7.0.22                    ✕
[root@localhost:dbsync-repl-tomcat-7.0.22]#ls
bin    CVS          DBSync-License.txt  Information.txt  LICENSE  logs      RELEASE-NOTES
conf   dbsync.ico   dbsync-repl         lib             log      NOTICE    RUNNING.txt
[root@localhost:dbsync-repl-tomcat-7.0.22]#tail -f logs/catalina.out
Jul 09, 2013 10:02:30 AM org.apache.catalina.startup.Catalina start
INFO: Server startup in 15236 ms
Jul 09, 2013 10:03:27 AM com.dbsync.framework.event.cubbyhole.CubbyHoleEventManager$E
INFO: Event manager is retrying events...
Jul 09, 2013 10:04:27 AM com.dbsync.framework.event.cubbyhole.CubbyHoleEventManager$E
INFO: Event manager is retrying events...
Jul 09, 2013 10:05:27 AM com.dbsync.framework.event.cubbyhole.CubbyHoleEventManager$E
INFO: Event manager is retrying events...
Jul 09, 2013 10:06:27 AM com.dbsync.framework.event.cubbyhole.CubbyHoleEventManager$E
INFO: Event manager is retrying events...
```

- To access DBSync Cloud Replication console, please paste the http://localhost:8080/dbsync URL in your browser address bar and you will be presented with the DBSync Cloud Replication Home page.

- To stop DBSync Cloud Replication, navigate to ***bin*** folder and execute the script ***./catalina.sh stop*** from the terminal window and to check the status of process execute the command ***ps --ef | grep java*** as shown below.


```
[root@localhost:bin]#./catalina.sh stop
Using CATALINA_BASE:   /install-dir/dbsync-repl-tomcat-7.0.22
Using CATALINA_HOME:   /install-dir/dbsync-repl-tomcat-7.0.22
Using CATALINA_TMPDIR: /install-dir/dbsync-repl-tomcat-7.0.22/temp
Using JRE_HOME:        /usr/java/jdk1.7.0_07
Using CLASSPATH:       /install-dir/dbsync-repl-tomcat-7.0.22/bin/b
[root@localhost:bin]#ps -ef | grep java
root      3402 2594  0 09:57 pts/0    00:00:00 grep java
[root@localhost:bin]#
```