

Out of Memory Exception

If the Java Virtual Machine memory is insufficient to run the replication, tomcat will lead to the error as shown below.

```
INFO: Completed Request:db_setup
Exception in thread "Thread-4" java.lang.OutOfMemoryError: Java heap space
at java.util.Arrays.copyOfRange(Unknown Source)
```

Solution:

This issue can be resolved by following the below steps.

- Go to installation folder *DBSyncCRep/SF3* and then open bin folder. Identify the tomcat file *catalina.bat* in *bin* folder.
- Right click on the file *catalina.bat* to select edit. In *catalina.bat* file, search for the command **set CATALINA_OPTS=**
- If **set CATALINA_OPTS** command is found, edit the values for Xms & Xmx to 1024. Usually this command will be available in the beginning, right after the command **set JRE_HOME=..jre1.7.0_13**. The new command must be **CATALINA_OPTS="-Xms1024m --Xmx1024m"**
- If **set CATALINA_OPTS** command is not found, include the new command to edit the default values for Xms & Xmx. The new command must be **CATALINA_OPTS="-Xms1024m --Xmx1024m"** and must be placed after the command **set JRE_HOME=..jre1.7.0_13**
- If **Windows service** is used to run DBSync Cloud Replication, windows service must be re-registered before running the Replication.