

Increase Heap Memory

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

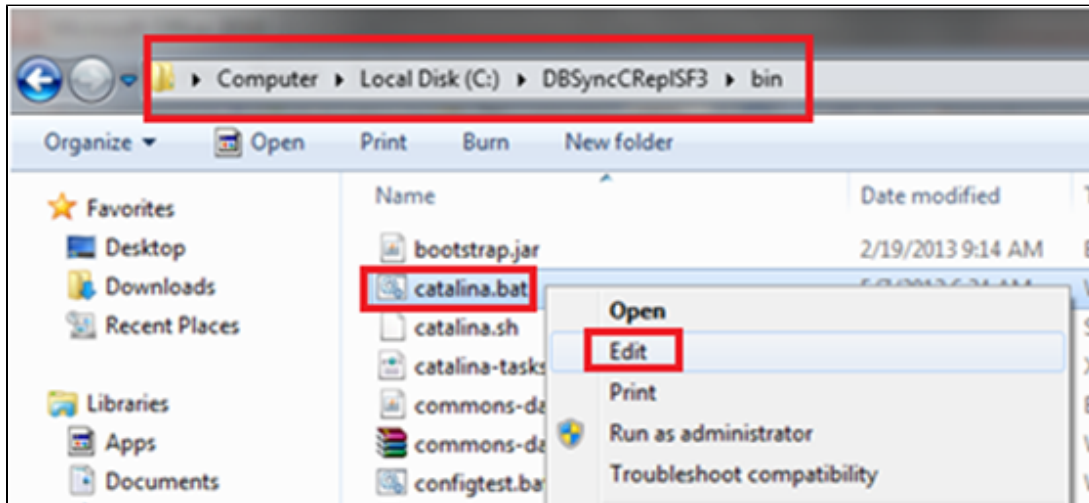
INFO: Completed Request:db_setup

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 *DBSyncCRepISF3* and then open bin folder. Identify the tomcat file *catalina.bat* in the *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"**

```
catalina.bat - Notepad
File Edit Format View Help
rem      Example (all one line)
rem      set LOGGING_CONFIG="-Djava.util.logging.config.file=%CATALINA_BASE%\conf\logging.properties"
rem
rem  LOGGING_MANAGER (optional) Override Tomcat's logging manager
rem  Example (all one line)
rem  set LOGGING_MANAGER="-Djava.util.logging.manager=org.apache.juli.ClassLoaderLogManager"
rem
rem  TITLE
rem  (optional) Specify the title of Tomcat window. The default
rem  TITLE is Tomcat if it's not specified.
rem  Example (all one line)
rem  set TITLE=Tomcat.Cluster#1.Server#1 [%DATE% %TIME%]
rem
rem
rem $Id: catalina.bat 1344732 2012-05-31 14:08:02Z kkolinko $
rem -----
set JRE_HOME=..\\jre1.7.0_13
set CATALINA_OPTS="-Xms1024m -Xmx1024m"
rem Suppress Terminate batch job on CTRL+C
if not "%1" == "" run goto mainEntry
```

- If **set CATALINA_OPTS** command is not found, including 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.