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## dps\_stop command does not work

- **Product:** Rosetta
  - **Product Version:** Rosetta 4.1 and onwards
  - **Relevant for Installation Type:** Local
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## Scenario

It is not possible to stop Rosetta using the `dps_stop` command which returns the error message 'Rosetta has already been shutdown'.

The `ver` command shows that Rosetta is DOWN even though it is still running, and it is possible to use the UI.

Example:

```
ver | grep Status
```

```
Rosetta Server Status : DOWN
```

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## Explanation

When Tomcat is started the PID (Operating System Process ID) of the parent wrapper process is recorded in the file `tomcat.pid`:

```
$dps_dev/system.dir/thirdparty/wrapper/bin/tomcat.pid
```

This error occurs when the PID recorded in the `tomcat.pid` file is not the same as the process that is actually running. This problem can easily be fixed by replacing the value in the file.

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## Step 1 - Identify the Correct PID

At the terminal type:

```
ps -ef | grep java
```

Example:

```
ps -ef | grep java
```

```
dps      20409 20356  0 09:04 pts/2    00:00:00 grep --color=auto java
```

```
dps      23079      1  0 Nov29 ?          00:18:17 /exlibris/dps/d4_1/system.dir/thirdparty/wrapper/bin/../../../../product/local/wrapper/bin/wrapper /exlibris/dps/d4_1/system.dir/thirdparty/wrapper/bin/./conf/wrapper.conf wrapper.syslog.ident=tomcat wrapper.pidfile=/exlibris/dps/d4_1/system.dir/thirdparty/wrapper/bin/./tomcat.pid wrapper.name=tomcat wrapper.displayname=Tomcat Application Server wrapper.daemonize=TRUE wrapper.statusfile=/exlibris/dps/d4_1/system.dir/thirdparty/wrapper/bin/./tomcat.status wrapper.java.statusfile=/exlibris/dps/d4_1/system.dir/thirdparty/wrapper/bin/./tomcat.java.status
```

```
dps      23082 23079  0 Nov29 ?          01:31:17 /exlibris/product/jdk1.8.0_92.x86_64/bin/java -Dprogram.name=run.sh -server -d64 -XX:MaxPermSize=512m -XX:PermSize=512m -XX:+HeapDumpOnOutOfMemoryError -XX:HeapDumpPath=/exlibris/dps/d4_1/profile/operational_shared//logs/il-dtldev08c.corp.exlibrisgroup.com -Xloggc:/exlibris/dps/d4_1/profile/operational_shared//logs/il-dtldev08c.corp.exlibrisgroup.com/gc.log -XX:+PrintTenuringDistribution -XX:+PrintGCDetails -XX:+PrintGCTimeStamps -XX:+PrintGCDateStamps -Dfile.encoding=utf8 -XX:+UseParallelOldGC -Dexec.strategy=wrapper -Djava.awt.headless=true -Ddigitool.home=/exlibris/dps/d4_1/system.dir/bin/./ -Djmagick.systemclassloader=No -DAPP_ROLE=DEF,REP,DEL,PER,IDX -Djava.endorsed.dirs=/exlibris/dps/d4_1/system.dir/bin/./thirdparty/tomcat/endorsed -Dorg.tanukisoftware.wrapper.WrapperStartStopApp.maxStartMainWait=300 -Dorg.tanukisoftware.wrapper.WrapperManager.mbean=false -Djboss.server.log.dir=/exlibris/dps/d4_1/profile/operational_shared//logs/il-dtldev08c.corp.exlibrisgroup.com -Dsolr.solr.home=/exlibris/dps/d4_1/system.dir/bin/./conf/solr -Dcatalina.base=/exlibris/dps/d4_1/system.dir/bin/./thirdparty/tomcat -Dcatalina.home=/exlibris/dps/d4_1/product/local/tomcat -Djava.io.tmpdir=/exlibris/dps/d4_1/system.dir/bin/./thirdparty/tomcat/temp -Xms3000m -Xmx4000m -Djava.library.path=/exlibris/dps/d4_1/product/local/wrapper/lib:/exlibris/dps/d4_1/product/local/im/lib:/exlibris/dps/d4_1/product/local/jpeg2000/sdk/linux-x86-64/lib -classpath /exlibris/dps/d4_1/product/local/wrapper/lib/wrapper.jar:/exlibris/dps/d4_1/system.dir/bin/./conf:/exlibris/dps/d4_1/product/local/tomcat/bin/bootstrap.jar:/exlibris/dps/d4_1/product/local/tomcat/bin/tomcat-juli.jar:/exlibris/dps/d4_1/product/local/java/lib/tools.jar -Dwrapper.key=Bpv8gDIR_l8mGHYwZ8r3_JArWUM0JVsx -Dwrapper.port=32001 -Dwrapper.jvm.port.min=31000 -Dwrapper.jvm.port.max=31999 -Dwrapper.disable_console_input=TRUE -Dwrapper.pid=23079 -Dwrapper.version=3.5.17-pro -Dwrapper.native_library=wrapper -Dwrapper.arch=x86 -Dwrapper.service=TRUE -Dwrapper.cpu.timeout=10 -Dwrapper.jvmid=1 -Dwrapper.lang.domain=wrapper org.tanukisoftware.wrapper.WrapperStartStopApp org.apache.catalina.startup.Bootstrap 1 start org.apache.catalina.startup.Bootstrap TRUE 1 stop
```

In the example the correct PID which should appear in tomcat.pid is as outlined above. It is the parent process of the running instance of Tomcat.

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## Step 2 - Replace the value in the tomcat.pid file

In our example we shall replace the value with 23079.

At the terminal:

```
echo 23079 > $dps_dev/system.dir/thirdparty/wrapper/bin/tomcat.pid
```

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## Step 3 - Stop Rosetta

Once the PID in the tomcat.pid file is aligned with the correct value we can verify that the configuration now works by using the ver command

```
ver | grep Status
```

```
Rosetta Server Status : UP
```

It should now be possible to run the `dps_stop` command as normal.

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- **Article last edited:** 20-Jun-2017