
How to increase the heap size for Rosetta

- **Article Type:** General
- **Product:** Rosetta
- **Product Version:** 4
- **Relevant for Installation Type:** Local;

Desired Outcome Goal: to increase the heap size

Procedure:

1. Go to: `/exlibris/dps/d4_1/system.dir/thirdparty/wrapper/conf/wrapper.conf`
2. Change the `wrapper.java.maxmemory` parameter
3. Go to: `/exlibris/dps/d4_1/system.dir/conf/global.properties` (and `global.properties.tml`)
4. Change the `jboss.maxmemory` parameter
5. Run `"dps_stop"` (without quotes)
6. Go to `dps_bin`
7. Run `"./set_globals.sh"` (without quotes)
8. Run `"dps_start"` (without quotes)

Additional Information

If the system runs very slowly during massive loads, check the `gc.log` to see if there are any "Full GC" messages as follows:

1. enter `"dps_log"` (without quotes) which goes to `/exlibris/dps/d4_1/profile/operational_shared/logs/us-rosetta01.corp.exlibrisgroup.com`
2. more (or less) `"gc.log"`
3. search for "Full GC"

Example:

```
2015-06-29T13:25:04.870-0500: 614535.319: [Full GC [PSYoungGen: 24049K->0K(973312K)] [ParOldGen: 2037107K->831988K(2048000K)] 206115
7K->831988K(3021312K) [PSPermGen: 124961K->124319K(524288K)], 2.3053130 secs] [Times: user=4.88 sys=6.75, real=2.30
secs]
```

To determine how much memory is allocated to the server enter `"free -m"` (without quotes)

Example:

```
us-rosetta01-d4(1) >>free -m
      total    used    free   shared  buffers   cached
Mem:   24106  22561   1544     0     505   17296
-/+ buffers/cache:  4759   19347
Swap:  20191     0   20191
us-rosetta01-d4(1) >>
```

The out of the box `jboss.maxmemory=4000`, but it can be changed to 1/4 to 1/3 of the memory allocated to the machine.

Category: Infrastructure

- **Article last edited:** 7/20/2015