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Introduction

This document describes modifications of the server's jvm.

How to prevent .hprof files from appearing in the logs directory?

Normally the server will produce a **java_pid<process id>.hprof** file in our /logs directory each time the jvm exhausts all memory.

This can be a very large file that may consume more disk space than you can make available.

You may be aware of the java OutOfMemory issue but don't want these files to appear, consuming disk space.

This can be done by removing these 2 VM arguments from our default usage:

```
-XX:+HeapDumpOnOutOfMemoryError -XX:HeapDumpPath="%CONF_INSTALL_DIR%\logs"
```

In CIS v7.0.x, you will see these VM_ARGS in the /bin/composite_server.sh (or .bat if on windows).

You may have successfully edited this before, in CIS v6.2.x.

However, in CIS v7.0.x, the /bin/composite_server.sh (or .bat if on windows) script is ignored and no longer called by the monitor daemon process.

How do you alter the jvm arguments?

Steps

1. Rename the script /conf/script_env.sh.sample to: /conf/script_env.sh
2. Uncomment (remove the 'rem') this line: rem set CIS_SERVER_VM_ARGS
3. From your /bin/composite_server.sh (or .bat) file, **copy** this line (may vary slightly for you):
set VM_ARGS=-server -XX:NewRatio=6 -XX:-UseGCOverheadLimit -
XX:+HeapDumpOnOutOfMemoryError -
XX:HeapDumpPath="%CONF_INSTALL_DIR%\logs" -XX:PermSize=64m -
XX:MaxPermSize=256m -XX:-ReduceInitialCardMarks -XX:+ExplicitGCInvokesConcurrent -
XX:+UseConcMarkSweepGC
4. In the script_env file, **paste** it immediately after the line: set CIS_SERVER_VM_ARGS
5. Remove these 2 arguments: -XX:+HeapDumpOnOutOfMemoryError -
XX:HeapDumpPath="%CONF_INSTALL_DIR%\logs"

6. The result looks similar to this: `set CIS_SERVER_VM_ARGS=-server -XX:NewRatio=6 -XX:-UseGCOverheadLimit -XX:PermSize=64m -XX:MaxPermSize=256m -XX:-ReduceInitialCardMarks -XX:+ExplicitGCInvokesConcurrent -XX:+UseConcMarkSweepGC`
7. Restart server and test if you are able to reproduce the OutOfMemory error at will.