

# Oracle GoldenGate

## Cache Memory Usage

```
./ggsci
dblogin USERIDALIAS ggadmin
SEND EXTRACT ext_mr CACHEMGR CACHESTATS
SEND REPLICAT rep_file CACHEMGR CACHESTATS
```

## Statistics

```
./ggsci
STATS REPLICAT rep_mr, TOTALONLY *.* , REPORTRATE MIN
STATS EXTRACT ext_mr, TOTALONLY *.* , REPORTRATE MIN
```

## Process Info

```
INFO REPLICAT *, ALLPROCESSES
INFO REPLICAT *, TASKS
INFO EXTRACT *, TASKS
```

## Network Stats

```
send extract dp_mr gettcpstats
send extract dp_mr resettcpstats
```

## Process Memory Usage

[gg\\_memory\\_usage.sh](#)

```
#!/bin/bash

#####
# determine the OS type
#####
OSNAME=`uname`

case "$OSNAME" in
  "SunOS")
    echo "OSNAME = $OSNAME"
    ;;
  "Linux")
    echo "OSNAME = $OSNAME"
    ;;
)
```

```
    *)
    echo "This script has not been verified on $OSNAME"
    exit 1
    ;;
esac

#####
# set the temp file
#####
TMPFILE=/tmp/pmem.tmp
if [ -f $TMPFILE ]
then
    rm -f $TMPFILE
fi

#####
# loop over the gg process types
#####
PROCESSES="extract replicat"

for PROCESS in $PROCESSES
do
    FLAG=""
    FLAG=`ps -ef | grep $PROCESS | grep -v grep`
    if [ -z "$FLAG" ]
    then
        echo "No $PROCESS processes found"
    else
        echo
        echo "#####"
        echo "# Individual $PROCESS Process Usage #"
        echo "#####"
        case "$OSNAME" in
            "Linux")
                ps -C $PROCESS -0 rss > $TMPFILE
                cat $TMPFILE | grep $PROCESS | awk '{print $2/1024, "MB", $12}'
| sort -k 2
                ;;
            "SunOS")
                ps -efo vsz,uid,pid,ppid,pcpu,args | grep -v grep | grep
$PROCESS > $TMPFILE
                cat $TMPFILE | grep $PROCESS | awk '{print $1/1024, "MB", $8}'
| sort -k 2
                ;;
            *)
                echo "This script has not been verified on $OSNAME"
                exit 1
                ;;
        esac
        rm -f $TMPFILE
    fi
done
```

```

echo
echo "#####"
echo "# Total $PROCESS Process Usage #"
echo "#####"
case "$OSNAME" in
  "Linux")
    ps -C $PROCESS -0 rss > $TMPFILE
    cat $TMPFILE | grep $PROCESS | awk '{count ++; sum=sum+$2; }
END \
    { print "Number of processes      =",count; \
    print "AVG Memory usage/process =",sum/1024/count, "MB"; \
    print "Total memory usage          =", sum/1024, " MB"}'
    ;;
  "SunOS")
    ps -efo vsz,uid,pid,ppid,pcpu,comm | grep -v grep | grep
$PROCESS > $TMPFILE
    cat $TMPFILE | awk '{count ++; sum=sum+$1; } END \
    { print "Number of processes      =",count; \
    print "AVG Memory usage/process =",sum/1024/count, "MB"; \
    print "Total memory usage          =", sum/1024, " MB"}'
    ;;
  "*" )
    echo "This script has not been verified on $OSNAME"
    exit 1
    ;;
esac
rm -f $TMPFILE
fi
done

exit 0

```

## Output

```

OSNAME = Linux

#####
# Individual extract Process Usage #
#####
41.7109 MB DP_CLI
31.9805 MB DP_FMS
29.9297 MB DP_MR
37.3672 MB DP_MR_0
37.8438 MB DP_SDE
29.1562 MB DP_SERV
1516.69 MB EXT_CLI
74.8516 MB EXT_FMS
556.352 MB EXT_MR

```

```
246.926 MB EXT_MR_0
68.7773 MB EXT_SDE
91.5234 MB EXT_SERV
```

```
#####
# Total extract Process Usage #
#####
Number of processes      = 12
AVG Memory usage/process = 230.259 MB
Total memory usage      = 2763.11 MB
No replicat processes found
```

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