

CVU auto execution caused high load every 6 hours (文档 ID 2899444.1)

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APPLIES TO:

Oracle Database - Enterprise Edition - Version 19.15.0.0.0 and later
Information in this document applies to any platform.

SYMPTOMS

Customer reported that the load is high in short time every 6 hours. From the OSWatcher data, we found there is grid user process taken 100% CUP usage:

```
top - 09:18:37 up 121 days, 23:24, 3 users, load average: 15.50, 6.74, 4.76
Tasks: 1501 total, 4 running, 1497 sleeping, 0 stopped, 0 zombie
%Cpu(s): 8.0 us, 4.4 sy, 0.0 ni, 86.1 id, 0.0 wa, 0.9 hi, 0.4 si, 0.2 st
MiB Mem : 386252.2 total, 2860.4 free, 298837.1 used, 84554.7 buff/cache
MiB Swap: 16384.0 total, 7223.7 free, 9160.3 used. 82232.3 avail Mem

  PID USER   PR NI  VIRT  RES  SHR S %CPU %MEM    TIME+  COMMAND
2839916 grid   20  0 36.2g  4.2g 15716 S 101.9  1.1  0:59.86 java <-----
  414 root    20  0   0    0    0 R 98.1  0.0 16661:57 kswapd0+
 75416 oracle  20  0 248.0g 111588 103464 R 97.1  0.0 152:46.33 oracle_+
1045675 oracle  20  0 248.0g 115884 106832 R 32.7  0.0 72:53.92 oracle_+
2708924 oracle  20  0 248.0g 101900 95196 S 28.8  0.0 4:56.42 oracle_+
 232490 oracle  20  0 248.0g 99936 93672 S 24.0  0.0 18:17.43 oracle_+
2415123 oracle  20  0 248.0g 102628 95628 S 12.5  0.0 65:05.99 oracle_+
```

And that grid process is executing cvu check command as the following:

```
<GRID HOME>/OPatch/jre/bin/java -d64 classpath <GRID HOME>/OPatch/jre/lib/rt.jar:<GRID
HOME>/jlib/cvuhelper19.jar:
<GRID HOME>/jlib//ldapjclnt19.jar:<GRID HOME>/jlib//netcfg.jar: <GRID HOME>/jlib/srv.jar:<GRID
HOME>/jlib/srvmhas.jar:
<GRID HOME>/jlib/gns.jar:<GRID HOME>/jlib/srvmasm.jar: <GRID HOME>/oui/jlib/OraInstaller.jar:<GRID
HOME>/oui/jlib/OraPrereq.jar:
<GRID HOME>/oui/jlib/prov_fixup.jar:<GRID HOME>/oui/jlib/xmlparserv2.jar: <GRID
HOME>/oui/jlib/share.jar:<GRID HOME>/oui/jlib/orai18nmapping.jar:
<GRID HOME>/jdbc/lib/ojdbc8.jar:<GRID HOME>/OPatch/jlib/oracle.opatch.classpath.jar
-DCV_HOME=<GRID HOME>
```

```
-DGI_HOME=<GRID HOME> oracle.ops.verification.helper.helper19.CVUHelper19
-getOraclePatchList <GRID HOME>
```

CHANGES

CAUSE

The issue is analyzed and discussed in internal / unpublished Bug:

33081245:NODE REBOOT DUE TO MEMORY CONSUMPTION BY CLUVFY CALLING GETORACLEPATCHLIST

SOLUTION

At the time of writing the document the only workaround is to disable CVU. Here is an example:

```
step#1: confirm at which node, cvu is running:

$ crsctl stat res -t
-----
Name          Target  State        Server        State details
-----
Local Resources
-----
ora.cvu
  1          ONLINE  ONLINE       node2         STABLE <<<<< Here, we know cvu is
running at node2
...

Step#2:  disable cvu at the node where it is running:

$ srvctl disable cvu -node node2

$ crsctl stat res -t
-----
Name          Target  State        Server        State details
-----
Local Resources
-----
ora.cvu
  1          ONLINE  ONLINE       node2         STABLE <<<< disable has not been
taken effect yet
-----

Step#3: stop cvu:

$ srvctl stop cvu

$ crsctl stat res -t
-----
Name          Target  State        Server        State details
-----
Local Resources
-----
ora.cvu
  1          OFFLINE OFFLINE      node2         STABLE <<<< after stopping cvu, it
is showed as offline
```

REFERENCES

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