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| **How to Reconfigure Oracle Restart on 12c / 12.1 (Doc ID 1570358.1)** | [[To Bottom](https://support.oracle.com/epmos/faces/DocumentDisplay?_afrLoop=567485197149149&id=1570358.1&_adf.ctrl-state=hakybi565_170)To Bottom](https://support.oracle.com/epmos/faces/DocumentDisplay?_afrLoop=567485197149149&id=1570358.1&_adf.ctrl-state=hakybi565_170) |  |



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| **In this Document**   |  |  | | --- | --- | |  | [Goal](https://support.oracle.com/epmos/faces/DocumentDisplay?_afrLoop=567485197149149&id=1570358.1&_adf.ctrl-state=hakybi565_170#GOAL) |  |  |  | | --- | --- | |  | [Solution](https://support.oracle.com/epmos/faces/DocumentDisplay?_afrLoop=567485197149149&id=1570358.1&_adf.ctrl-state=hakybi565_170#FIX) |  |  |  | | --- | --- | |  | [References](https://support.oracle.com/epmos/faces/DocumentDisplay?_afrLoop=567485197149149&id=1570358.1&_adf.ctrl-state=hakybi565_170#REF) |   **APPLIES TO:**  Oracle Database - Enterprise Edition - Version 12.1.0.1 and later Oracle Database Cloud Schema Service - Version N/A and later Oracle Database Exadata Cloud Machine - Version N/A and later Oracle Cloud Infrastructure - Database Service - Version N/A and later Oracle Database Exadata Express Cloud Service - Version N/A and later Information in this document applies to any platform.  **GOAL**  This doc provides the procedure to reconfigure Oracle Restart ( Grid Infrastructure for Standalone nonRAC set up ). Oracle Restart is configured when you install GI for the first time. But there are situations when you need to reconfigure it, for example:  +    Server hostname changed +    Oracle Restart local registry corrupted +    Startup of ASM instance reporting ORA-29701  etc.  **SOLUTION**  Unless it is mentioned explicitly, the commands in the steps to be run by OS User owning the GI Home:    1]    If there is any ACFS mounted then unmount them      umount <mount point>  2]    Stop Oracle Restart if required      <GI Home>/bin/crsctl stop has   3]    Remove Oracle Restart, the following command needs to be run from root login:      # <GI Home>/perl/bin/perl -I/<GI Home>/perl/lib -I/<GI Home>/crs/install /<GI Home>/crs/install/roothas.pl -deconfig -force       And at the end you will see      CRS-4133: Oracle High Availability Services has been stopped.     2013/07/26 12:21:32 CLSRSC-337: Successfully deconfigured Oracle Restart stack    4]    Configure Oracle Restart, the following command needs to be run from root login:      # cd <GI Home>     # ./root.sh        At the end you will see      2013/07/14 16:57:49 CLSRSC-327: Successfully configured Oracle Grid Infrastructure for a Standalone Server         And you can query Oracle Restart                $ ./crsctl stat res -t     --------------------------------------------------------------------------------     Name           Target  State        Server                   State details            --------------------------------------------------------------------------------     Local Resources     --------------------------------------------------------------------------------     ora.ons                OFFLINE OFFLINE      <hostname>                   STABLE     --------------------------------------------------------------------------------     Cluster Resources     --------------------------------------------------------------------------------     ora.cssd         1        OFFLINE OFFLINE                               STABLE     ora.diskmon         1        OFFLINE OFFLINE                               STABLE     ora.evmd         1        ONLINE  ONLINE       <hostname>                   STABLE     5]    Add the ASM resource and start it without the original ASM parameter file      $ srvctl add asm     $ srvctl start asm        $ ./crsctl stat res -t     --------------------------------------------------------------------------------     Name           Target  State        Server                   State details            --------------------------------------------------------------------------------     Local Resources     --------------------------------------------------------------------------------     ora.asm                 ONLINE  ONLINE       <hostname>                   Started,STABLE     ora.ons                 OFFLINE OFFLINE      <hostname>                   STABLE     --------------------------------------------------------------------------------     Cluster Resources     --------------------------------------------------------------------------------     ora.cssd         1        ONLINE  ONLINE       <hostname>                   STABLE     ora.diskmon         1        OFFLINE OFFLINE                               STABLE     ora.evmd         1        ONLINE  ONLINE       <hostname>                   STABLE                   $ ps -ef|grep d.bin     grid     24753     1  0 16:57 ?        00:00:01 /rs01/grid/bin/ohasd.bin reboot     grid     24861     1  0 16:57 ?        00:00:00 /rs01/grid/bin/oraagent.bin     grid     24873     1  0 16:57 ?        00:00:00 /rs01/grid/bin/evmd.bin     grid     24899 24873  0 16:57 ?        00:00:00 /rs01/grid/bin/evmlogger.bin -o /rs01/grid/log/[HOSTNAME]/evmd/evmlogger.info -l /rs01/grid/log/[HOSTNAME]/evmd/evmlogger.log     grid     27897     1  0 17:00 ?        00:00:00 /rs01/grid/bin/cssdagent     grid     27919     1  0 17:00 ?        00:00:00 /rs01/grid/bin/ocssd.bin       At this stage ASM has been started without any spfile. You see the following entry in ASM alert.log          WARNING: using default parameter settings without any parameter file      If you know the diskgroup names, you can login to ASM sqlplus/SYSASM and mount the diskgroups. Once you mount the diskgroups, the diskgroup resources will be added to Oracle Restart.   6]    Add the listener resource and mount the diskgroups      srvctl add listener     srvctl start listener      This will add the listener resource by the name LISTENER with 'ENDPOINTS=TCP:1521'  7]    Associate the original ASM spfile with ASM:   +    Browse the diskgroups and locate the ASM spfile from ASMCMD, for example:      ASMCMD> pwd     +SYSTEMDG/ASM/ASMPARAMETERFILE     ASMCMD> ls -lt     Type              Redund  Striped  Time             Sys  Name     ASMPARAMETERFILE  UNPROT  COARSE   JUL 14 16:00:00  Y    REGISTRY.253.820773721    You can also check ASM alert.log to find the original spfile.  +    From ASM sqlplus/SYSASM        SQL> create pfile='/tmp/init+ASM.ora' from spfile='+SYSTEMDG/ASM/ASMPARAMETERFILE/REGISTRY.253.820773721';     SQL> create spfile='+SYSTEMDG' from pfile='/tmp/init+ASM.ora';     +    If for some reason you do not get the ASM spfile, then create a temporary initialization parameter file (e.g. /tmp/init+ASM.ora). You can refer to ASM alert.log to get the parameter values:      sga\_target=4096M     asm\_diskgroups='SYSTEMSG','DATA'     asm\_diskstring='/dev/sd\*'     instance\_type='asm'     remote\_login\_passwordfile='EXCLUSIVE'     And  $ sqlplus / as sysasm SQL> alter diskgroup SYSTEMDG mount; Diskgroup altered.  SQL> create spfile='+SYSTEMDG' from pfile='/tmp/init+ASM.ora'; File created.  SQL> show parameter spfile     8]    Restart Oracle Restart      crsctl stop has     crsctl start has         $ crsctl stat res -t     --------------------------------------------------------------------------------     Name           Target  State        Server                   State details     --------------------------------------------------------------------------------     Local Resources     --------------------------------------------------------------------------------     ora.DATA.dg                 ONLINE  ONLINE       <hostname>                   STABLE     ora.DG5.dg                 ONLINE  ONLINE       <hostname>                   STABLE     ora.SYSTEMDG.dg                 ONLINE  ONLINE       <hostname>                   STABLE     ora.asm                 ONLINE  ONLINE       <hostname>                   Started,STABLE     ora.ons                 OFFLINE OFFLINE      <hostname>                   STABLE     --------------------------------------------------------------------------------     Cluster Resources     --------------------------------------------------------------------------------     ora.cssd         1        ONLINE  ONLINE       <hostname>                   STABLE     ora.diskmon         1        OFFLINE OFFLINE                               STABLE     ora.evmd         1        ONLINE  ONLINE       <hostname>                   STABLE     9]    You can then add other resources using srvctl command. For example to add the database resource, from RDBMS\_Home OS owner:      $ srvctl add database -h       or Refer to document         http://docs.oracle.com/cd/E16655\_01/server.121/e17636/restart.htm#CIHHHEID |