

## Install of Clusterware fails while running root.sh on OL7 - ohasd fails to start (Doc ID 1959008.1)

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### APPLIES TO:

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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 Cloud Exadata Service - Version N/A and later  
Oracle Database Backup Service - Version N/A and later  
Linux x86-64

### SYMPTOMS

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Grid 11.2.0.4 Install fails when running root.sh on OL7, this affects both Oracle Clusterware and Oracle Restart Installation.

rootcrs.log/roothas.log confirms that ohasd/crsd failed to start

eg. // roothas\*log shows :

```
...
2017-03-23 11:47:19: SYSTEMD: Copying <GI_HOME>/crs/install/oracle-ohasd.service to /etc/systemd/system/oracle-ohasd.service
2017-03-23 11:47:19: Executing cmd: /usr/bin/systemctl daemon-reload
2017-03-23 11:47:22: Command output:
> Failed to execute operation: No buffer space available
>End Command output
2017-03-23 11:47:22: failed to reload systemd for scanning for changed units
2017-03-23 11:47:22: Executing cmd: <GI_HOME>/bin/clsecho -p has -f clsrsc -m 213 "oracle-ohasd.service" "25"
2017-03-23 11:47:22: Command output:
> CLSRSC-213: Failure in reading file 'oracle-ohasd.service' (error: 25)
>End Command output
2017-03-23 11:47:22: Executing cmd: <GI_HOME>/bin/clsecho -p has -f clsrsc -m 213 "oracle-ohasd.service" "25"
2017-03-23 11:47:22: Command output:
> CLSRSC-213: Failure in reading file 'oracle-ohasd.service' (error: 25)
>End Command output
2017-03-23 11:47:22: CLSRSC-213: Failure in reading file 'oracle-ohasd.service' (error: 25)
2017-03-23 11:47:22: Failed to start service 'ohasd'
2017-03-23 11:47:22: Executing cmd: <GI_HOME>/bin/clsecho -p has -f clsrsc -m 318
2017-03-23 11:47:22: Command output:
> CLSRSC-318: Failed to start Oracle OHASD service
>End Command output
2017-03-23 11:47:22: Executing cmd: <GI_HOME>/bin/clsecho -p has -f clsrsc -m 318
2017-03-23 11:47:22: Command output:
> CLSRSC-318: Failed to start Oracle OHASD service
>End Command output
2017-03-23 11:47:22: CLSRSC-318: Failed to start Oracle OHASD service
```

From ohasd.log:

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Oracle Database 11g Clusterware Release 11.2.0.4.0 - Production Copyright 1996, 2011 Oracle. All rights reserved.  
2015-01-03 04:57:14.616: [ default][3592750912] Created alert : (:OHAS00117:) : TIMED OUT WAITING FOR  
OHASD MONITOR

## CAUSE

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There is a known issue where OL7 expects to use systemd rather than initd for running processes and restarting them and root.sh does not handle this currently.

This was reported in the following Unpublished Bug

Bug 18370031 - RC SCRIPTS (/ETC/RC.D/RC.\* , /ETC/INIT.D/\* ) ON OL7 FOR CLUSTERWARE

## SOLUTION

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Because Oracle Linux 7 (and Redhat 7) use systemd rather than initd for starting/restarting processes and runs them as a service the current software install of both 11.2.0.4 & 12.1.0.1 will not succeed because the ohasd process does not start properly.

In OL7 it needs to be set up as a service and patch fix for Bug 18370031 needs to be applied for this , BEFORE you run root.sh when prompted .

Need to apply the patch 18370031 for 11.2.0.4 .

And also its mentioned in 11gR2 Release

Notes:[https://docs.oracle.com/cd/E11882\\_01/relnotes.112/e23558/toc.htm#CJAJEBGG](https://docs.oracle.com/cd/E11882_01/relnotes.112/e23558/toc.htm#CJAJEBGG)

During the Oracle Grid Infrastructure installation, you must apply patch 18370031 before configuring the software that is installed.

The timing of applying the patch is important and is described in detail in the Note 1951613.1 on My Oracle Support. This patch ensures that the clusterware stack is configured to use systemd for clusterware processes, as Oracle Linux 7 uses systemd for all services.

## REFERENCES

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[NOTE:1092213.1](#) - ASM 11.2 Configuration KIT (ASM 11gR2 Installation & Configuration, Deinstallation, Upgrade, ASM Job Role Separation (Standalone Only).

[NOTE:1951613.1](#) - Installation walk-through - Oracle Grid/RAC 11.2.0.4 on Oracle Linux 7

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