Step#01 :

=======

Download 19c grid setup

mkdir /u01/app/19c/grid

chown grid:oinstall /u01/app/19c/grid

chown grid:oinstall /u01/app/19c/
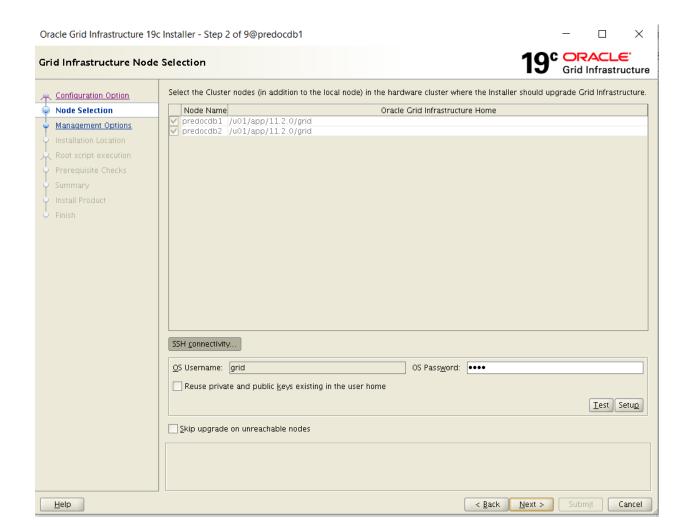
unzip /u01/media/V982588-01.zip -d /u01/app/19c/grid

cd /u01/app/19c/grid

<u>**Perform Above same steps In Node 2 as well**</u>

On node 1 run the setup to install grid infrastructure
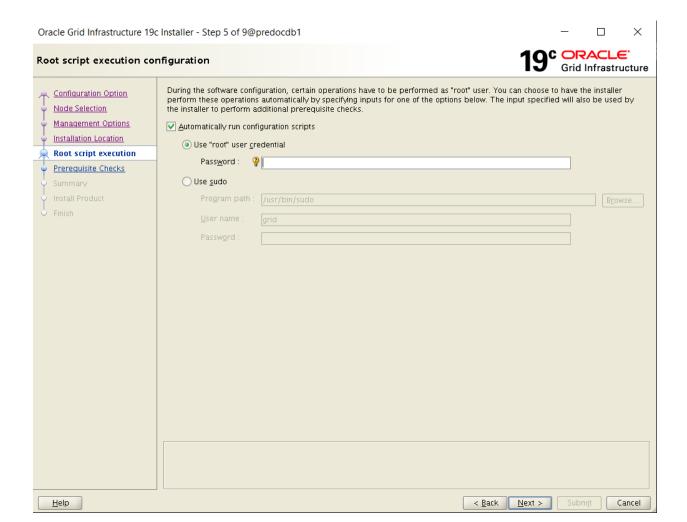
./gridSetup.sh
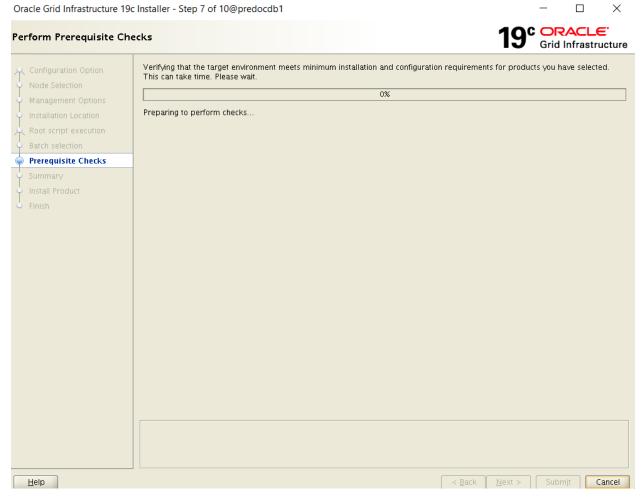
Select Configuration Option

19ᶜ ORACLE
Grid Infrastructure

- 🔘 **Configuration Option**
- **Node Selection**
- Management Options
- Installation Location
- Root script execution
- Prerequisite Checks
- Summary
- Install Product
- Finish

Select an option to configure the software. The wizard will register the home in the central inventory and then perform the selected configuration.

- ◯ Configure Oracle Grid Infrastructure for a New Cluster
- ◯ Configure Oracle Grid Infrastructure for a Standalone Server (Oracle Restart)
- ⦿ Upgrade Oracle Grid Infrastructure

- ◯ Set Up Software Only

| Help | | < Back | Next > | Submit | Cancel |

Grid Infrastructure Node Selection

19^c ORACLE
Grid Infrastructure

- Configuration Option
- **Node Selection**
- Management Options
- Installation Location
- Root script execution
- Prerequisite Checks
- Summary
- Install Product
- Finish

Select the Cluster nodes (in addition to the local node) in the hardware cluster where the Installer should upgrade Grid Infrastructure.

	Node Name	Oracle Grid Infrastructure Home
☑	predocdb1	/u01/app/11.2.0/grid
☑	predocdb2	/u01/app/11.2.0/grid

SSH connectivity...

OS Username: grid   OS Password: ●●●●

☐ Reuse private and public keys existing in the user home

Test   Setup

☐ Skip upgrade on unreachable nodes

Help   < Back   Next >   Submit   Cancel

Specify Management Options

19ᶜ ORACLE
Grid Infrastructure

- Configuration Option
- Node Selection
- **Management Options**
- Installation Location
- Root script execution
- Prerequisite Checks
- Summary
- Install Product
- Finish

You can configure to have this instance of Oracle Grid Infrastructure and Oracle Automatic Storage Management to be managed by Enterprise Manager Cloud Control. Specify the details of the Cloud Control configuration to perform the registration.

☐ Register with Enterprise Manager (EM) Cloud Control

OMS host:

OMS port:

EM Admin User Name:

EM Admin Password:

Help | < Back | Next > | Submit | Cancel

Specify Installation Location

19ᶜ ORACLE
Grid Infrastructure

Configuration Option
Node Selection
Management Options
Installation Location
Root script execution
Prerequisite Checks
Summary
Install Product
Finish

Specify the Oracle base. The Oracle base directory for the Oracle Grid Infrastructure installation is the location where diagnostic and administrative logs, and other logs associated with Oracle ASM and Oracle Clusterware are stored. This location would also contain files pertaining to the configuration of Oracle Clusterware.

Oracle base: /u01/app/grid   Browse...

This software directory is the Oracle Grid Infrastructure home directory.

Software location: /u01/app/19c/grid

Help   < Back   Next >   Submit   Cancel

Root script execution configuration

19c ORACLE
Grid Infrastructure

- Configuration Option
- Node Selection
- Management Options
- Installation Location
- **Root script execution**
- Prerequisite Checks
- Summary
- Install Product
- Finish

During the software configuration, certain operations have to be performed as "root" user. You can choose to have the installer perform these operations automatically by specifying inputs for one of the options below. The input specified will also be used by the installer to perform additional prerequisite checks.

☑ Automatically run configuration scripts

◉ Use "root" user credential

Password : [   ]

◯ Use sudo

Program path : /usr/bin/sudo   [Browse...]

User name : grid

Password : [   ]

Help   < Back   Next >   Submit   Cancel

Select batches for nodes

19c ORACLE
Grid Infrastructure

Configuration Option
Node Selection
Management Options
Installation Location
Root script execution
Batch selection
Prerequisite Checks
Summary
Install Product
Finish

During upgrade, you can sequence the automatic execution of root scripts by pooling the nodes into batches. A maximum of three batches can be specified.

Installer will execute root script on all the nodes in one batch before proceeding to next batch. It will ask for your confirmation before processing each batch.

Node Name	Batch
predocdb1	Batch 1
predocdb2	Batch 1

Note : Root script execution on the local node must be in Batch 1.

Help   < Back   Next >   Submit   Cancel

Perform Prerequisite Checks

19^c ORACLE
Grid Infrastructure

- Configuration Option
- Node Selection
- Management Options
- Installation Location
- Root script execution
- Batch selection
- **Prerequisite Checks**
- Summary
- Install Product
- Finish

Verifying that the target environment meets minimum installation and configuration requirements for products you have selected. This can take time. Please wait.

0%

Preparing to perform checks...

Help   < Back   Next >   Submit   Cancel

Perform Prerequisite Checks

19^c ORACLE
Grid Infrastructure

- Configuration Option
- Node Selection
- Management Options
- Installation Location
- Root script execution
- Batch selection
- **Prerequisite Checks**
- Summary
- Install Product
- Finish

Verification Result

Some of the minimum requirements for installation are not completed. Review and fix the issues listed in the following table, and recheck the system.

Check Again | Fix & Check Again | Show Failed ▼ | All Nodes ▼ | ☐ Ignore All

Checks	Status	Fixable
📁 Checks		
─ Oracle patch:17617807	Failed	No
─ Oracle patch:21255373	Failed	No
⊟ 📁 [Packages]		
└─ Package: xlfrte.aix61–15.1.0.9	Warning	No
─ Disk group ASM compatibility setting	Failed	No
─ Time zone consistency	Warning	No
─ Time offset between nodes	Failed	No
─ resolv.conf Integrity	Failed	No
─ Virtual memory manager parameter: vmm_klock_mode	Warning	No
─ Processor scheduler manager parameter: vpm_xvcpus	Warning	No
─ OLR Integrity	Failed	No
⊟ 📁 [Network Time Protocol (NTP)]		
└─ Network Time Protocol (NTP)	Failed	No

This test checks that the Oracle patch "17617807" has been applied in home "/u01/app/11.2.0/grid". (more details)

Check Failed on Nodes: [predocdb2]
Check Succeeded On Nodes: [predocdb1]

Help | < Back | Next > | Submit | Cancel

Details@predocdb1 ✕

Oracle patch:17617807 – This test checks that the Oracle patch "17617807" has been applied in home "/u01/app/11.2.0/grid".

Check Failed on Nodes: [predocdb2]
Check Succeeded On Nodes: [predocdb1]

Verification result of failed node: predocdb2
Details:

 – PRVG-1261 : Required Oracle patch "17617807" in home "/u01/app/11.2.0/grid" is not found on node "predocdb2".
   – Cause: An attempted operation could not be completed because the indicated patch had not been applied to the indicated home on the node shown.
   – Action: Apply the required Oracle patch and retry.

Back to Top

Close

Perform Prerequisite Checks

19ᶜ ORACLE
Grid Infrastructure

Configuration Option		
Node Selection		
Management Options		
Installation Location		
Root script execution		
Batch selection		
Prerequisite Checks		
Summary		
Install Product		
Finish		

Verification Result

Some of the minimum requirements for installation are not completed. Review and fix the issues listed in the following table, and recheck the system.

Check Again   Fix & Check Again   Show Failed ▼   📄 All Nodes ▼   ☐ Ignore All

Checks	Status	Fixable
📁 Checks		
Oracle patch:17617807	Failed	No
Oracle patch:21255373	Failed	No
📁 [Packages]		
Package: xlfrte.aix61-15.1.0.9	Warning	No
Disk group ASM compatibility setting	Failed	No
Time zone consistency	Warning	No
Time offset between nodes	Failed	No
resolv.conf Integrity	Failed	No
Virtual memory manager parameter: vmm_klock_mode	Warning	No
Processor scheduler manager parameter: vpm_xvcpus	Warning	No
OLR Integrity	Failed	No
📁 [Network Time Protocol (NTP)]		
Network Time Protocol (NTP)	Failed	No

This test checks that the Oracle patch "21255373" has been applied in home "/u01/app/11.2.0/grid". (more details)

Check Failed on Nodes: [predocdb2]
Check Succeeded On Nodes: [predocdb1]

Help   < Back   Next >   Submit   Cancel

First two errors resolved by applying patch :(PSU)

Patch 22646198

Perform Prerequisite Checks

19ᶜ **ORACLE** Grid Infrastructure

Configuration Option
Node Selection
Management Options
Installation Location
Root script execution
Batch selection
Prerequisite Checks
Summary
Install Product
Finish

Verification Result

Some of the minimum requirements for installation are not completed. Review and fix the issues listed in the following table, and recheck the system.

Check Again | Fix & Check Again | Show Failed ▼ | 📋 All Nodes ▼ | ☐ Ignore All

Checks	Status	Fixable
📁 Checks		
⊟ 📁 [Packages]		
└ Package: xlfrte.aix61-15.1.0.9	Warning	No
├ Disk group ASM compatibility setting	Failed	No
├ Time zone consistency	Warning	No
├ Time offset between nodes	Failed	No
├ resolv.conf Integrity	Failed	No
├ Virtual memory manager parameter: vmm_klock_mode	Warning	No
├ Processor scheduler manager parameter: vpm_xvcpus	Warning	No
├ OLR Integrity	Failed	No
⊟ 📁 [Network Time Protocol (NTP)]		
└ Network Time Protocol (NTP)	Failed	No

This task checks consistency of file /etc/resolv.conf file across nodes (more details)

Check Failed on Nodes: [predocdb2, predocdb1]

Help | < Back | Next > | Submit | Cancel

Time Offset issue Is Resolved by applying below commands

On Both Nodes time was changed As the operating system is AIX below command will work

date 042219132025

```
Details@predocdb1                                    ✕

Oracle patch:21255373 – This test checks that the Oracle patch
"21255373" has been applied in home "/u01/app/11.2.0/grid".

Check Failed on Nodes: [predocdb2]
Check Succeeded On Nodes: [predocdb1]

Verification result of failed node: predocdb2
Details:

 –  PRVG-1261 : Required Oracle patch "21255373" in home
    "/u01/app/11.2.0/grid" is not found on node "predocdb2".
     – Cause:  An attempted operation could not be completed
    because the indicated patch had not been applied to the
    indicated home on the node shown.
     – Action:  Apply the required Oracle patch and retry.

Back to Top

                                                   [Close]
```

Disk ASM Groups compatibles issue resolved by below commands

sqlplus / as sysasm
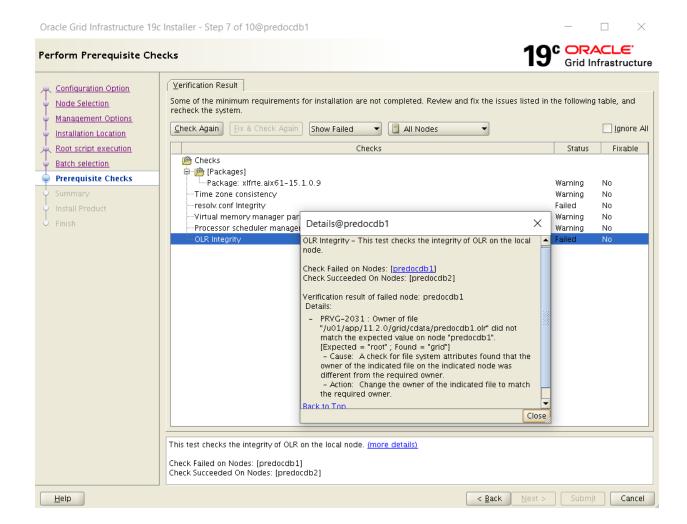
For disk group "RECO"

SQL > asmcmd setattr -G RECO compatible.asm 11.2.0.2.0

For disk group "OCRVOT"

SQL > asmcmd setattr -G OCRVOT compatible.asm 11.2.0.2.0

SQL > SELECT name, compatibility, database_compatibility FROM v$asm_diskgroup;

Perform Prerequisite Checks

19ᶜ ORACLE
Grid Infrastructure

Configuration Option
Node Selection
Management Options
Installation Location
Root script execution
Batch selection
Prerequisite Checks
Summary
Install Product
Finish

Verification Result

Some of the minimum requirements for installation are not completed. Review and fix the issues listed in the following table, and recheck the system.

Check Again   Fix & Check Again   Show Failed ▼   📋 All Nodes   ▼   ☐ Ignore All

Checks	Status	Fixable
📂 Checks		
📂 [Packages]		
└─ Package: xlfrte.aix61–15.1.0.9	Warning	No
─Time zone consistency	Warning	No
─resolv.conf Integrity	Failed	No
─Virtual memory manager par	Warning	No
─Processor scheduler manage	Warning	No
─OLR Integrity	Failed	No

Details@predocdb1 ✕

OLR Integrity – This test checks the integrity of OLR on the local node.

Check Failed on Nodes: [predocdb1]
Check Succeeded On Nodes: [predocdb2]

Verification result of failed node: predocdb1
Details:

– PRVG-2031 : Owner of file
"/u01/app/11.2.0/grid/cdata/predocdb1.olr" did not
match the expected value on node "predocdb1".
[Expected = "root" ; Found = "grid"]
– Cause: A check for file system attributes found that the
owner of the indicated file on the indicated node was
different from the required owner.
– Action: Change the owner of the indicated file to match
the required owner.

Back to Top

Close

This test checks the integrity of OLR on the local node. (more details)

Check Failed on Nodes: [predocdb1]
Check Succeeded On Nodes: [predocdb2]

Help   < Back   Next >   Submit   Cancel

OLR Integrity Issue

Solution :

The output should show root as the owner. If it shows grid, proceed to Step 2.

ls -l /u01/app/11.2.0/grid/cdata/predocdb1.olr
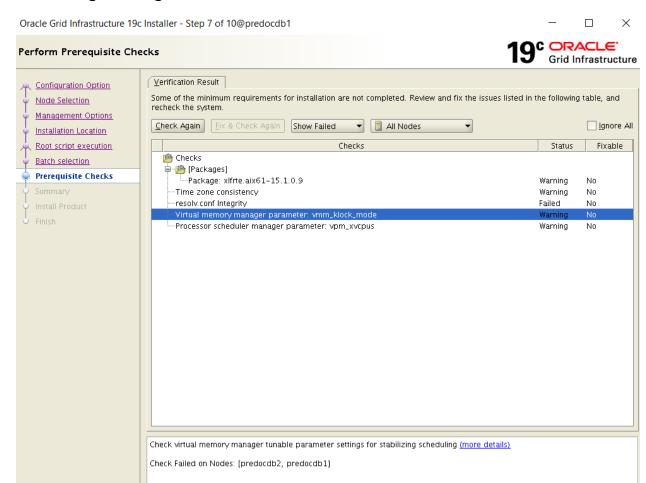
-rw-------   1 grid   oinstall 272756736 Apr 22 16:17 predocdb1.olr

Change File Ownership

sudo chown root:system /u01/app/11.2.0/grid/cdata/predocdb1.olr
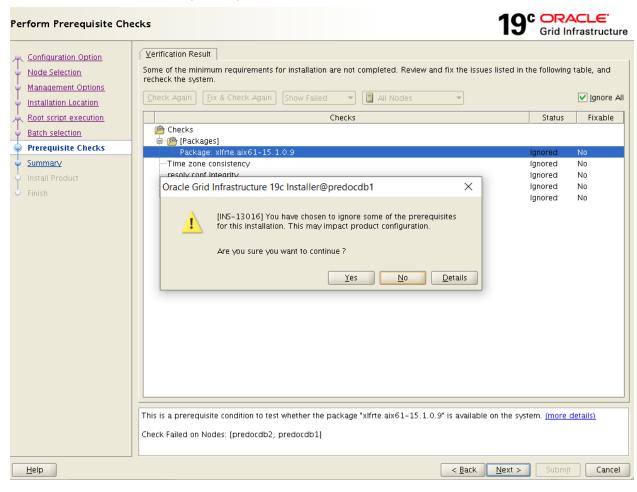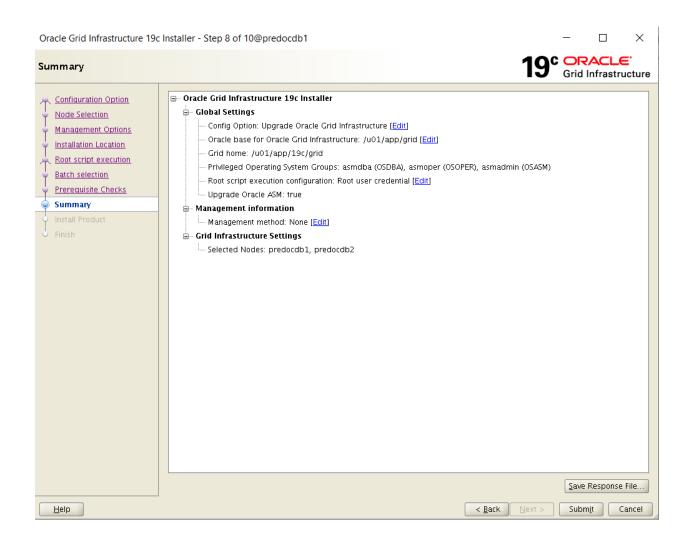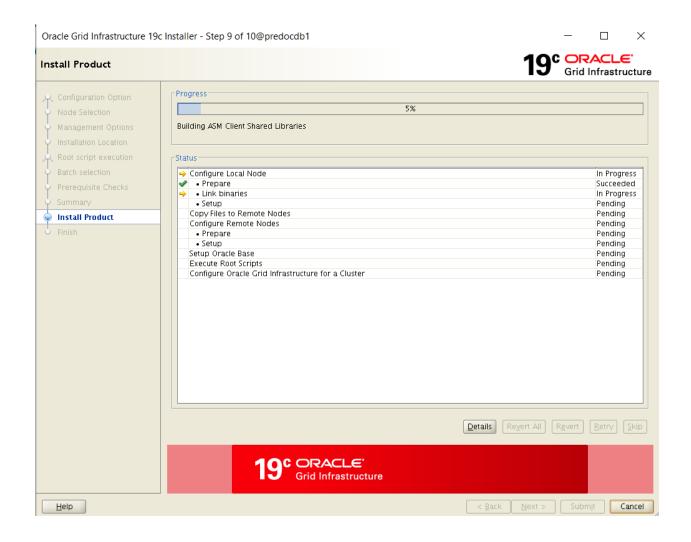
Remaining warning/Errors

Oracle Grid Infrastructure 19c Installer - Step 7 of 10@predocdb1

Perform Prerequisite Checks

19c ORACLE
Grid Infrastructure

Verification Result

Some of the minimum requirements for installation are not completed. Review and fix the issues listed in the following table, and recheck the system.

Check Again | Fix & Check Again | Show Failed ▼ | All Nodes ▼ | ☐ Ignore All

Checks	Status	Fixable
🗂 Checks		
⊟ 🗂 [Packages]		
Package: xlfrte.aix61–15.1.0.9	Warning	No
Time zone consistency	Warning	No
resolv.conf Integrity	Failed	No
Virtual memory manager parameter: vmm_klock_mode	Warning	No
Processor scheduler manager parameter: vpm_xvcpus	Warning	No

Check virtual memory manager tunable parameter settings for stabilizing scheduling (more details)

Check Failed on Nodes: [predocdb2, predocdb1]

| Configuration Option |
| Node Selection |
| Management Options |
| Installation Location |
| Root script execution |
| Batch selection |
| **Prerequisite Checks** |
| Summary |
| Install Product |
| Finish |

Help | < Back | Next > | Submit | Cancel

Because they can safely ignore so check ignored all and proceed next
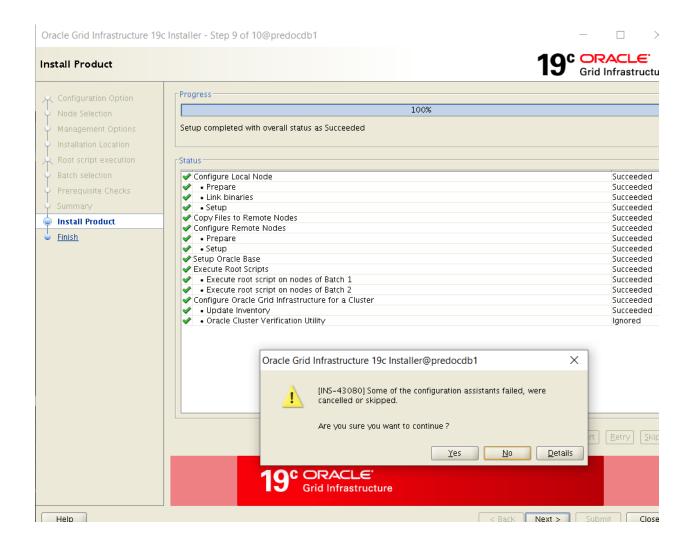
Oracle Grid Infrastructure 19c Installer - Step 7 of 10@predocdb1

Perform Prerequisite Checks

19^c ORACLE
Grid Infrastructure

- Configuration Option
- Node Selection
- Management Options
- Installation Location
- Root script execution
- Batch selection
- **Prerequisite Checks**
- Summary
- Install Product
- Finish

Verification Result

Some of the minimum requirements for installation are not completed. Review and fix the issues listed in the following table, and recheck the system.

| Check Again | Fix & Check Again | Show Failed ▼ | All Nodes ▼ | | ☑ Ignore All |

Checks	Status	Fixable
📁 Checks		
📁 [Packages]		
Package: xlfrte.aix61−15.1.0.9	Ignored	No
Time zone consistency	Ignored	No
resolv.conf Integrity	Ignored	No
Virtual memory manager parameter: vmm_klock_mode	Ignored	No
Processor scheduler manager parameter: vpm_xvcpus	Ignored	No

This is a prerequisite condition to test whether the package "xlfrte.aix61−15.1.0.9" is available on the system. (more details)

Check Failed on Nodes: [predocdb2, predocdb1]

| Help | | < Back | Next > | Submit | Cancel |

Perform Prerequisite Checks

19ᶜ **ORACLE** Grid Infrastructure

Verification Result

Some of the minimum requirements for installation are not completed. Review and fix the issues listed in the following table, and recheck the system.

| Check Again | Fix & Check Again | Show Failed ▾ | 🖳 All Nodes ▾ | ☑ Ignore All |

Checks	Status	Fixable
📁 Checks		
⊟ 📁 [Packages]		
Package: xlfrte.aix61–15.1.0.9	Ignored	No
---- Time zone consistency	Ignored	No
---- resolv conf Integrity	Ignored	No
	Ignored	No
	Ignored	No

Oracle Grid Infrastructure 19c Installer@predocdb1 ✕

⚠ [INS-13016] You have chosen to ignore some of the prerequisites for this installation. This may impact product configuration.

Are you sure you want to continue ?

| Yes | No | Details |

This is a prerequisite condition to test whether the package "xlfrte.aix61.15.1.0.9" is available on the system. (more details)

Check Failed on Nodes: [predocdb2, predocdb1]

| Help | < Back | Next > | Submit | Cancel |

Configuration Option
Node Selection
Management Options
Installation Location
Root script execution
Batch selection
Prerequisite Checks
Summary
Install Product
Finish

19ᶜ ORACLE
Grid Infrastructure

Summary

Configuration Option
Node Selection
Management Options
Installation Location
Root script execution
Batch selection
Prerequisite Checks
Summary
Install Product
Finish

- **Oracle Grid Infrastructure 19c Installer**
  - **Global Settings**
    - Config Option: Upgrade Oracle Grid Infrastructure [Edit]
    - Oracle base for Oracle Grid Infrastructure: /u01/app/grid [Edit]
    - Grid home: /u01/app/19c/grid
    - Privileged Operating System Groups: asmdba (OSDBA), asmoper (OSOPER), asmadmin (OSASM)
    - Root script execution configuration: Root user credential [Edit]
    - Upgrade Oracle ASM: true
  - **Management information**
    - Management method: None [Edit]
  - **Grid Infrastructure Settings**
    - Selected Nodes: predocdb1, predocdb2

Save Response File...

Help   < Back   Next >   Submit   Cancel

Install Product

19c **ORACLE**
Grid Infrastructure

- Configuration Option
- Node Selection
- Management Options
- Installation Location
- Root script execution
- Batch selection
- Prerequisite Checks
- Summary
- **Install Product**
- Finish

Progress

| 5% |

Building ASM Client Shared Libraries

Status

Configure Local Node		In Progress
• Prepare		Succeeded
• Link binaries		In Progress
• Setup		Pending
Copy Files to Remote Nodes		Pending
Configure Remote Nodes		Pending
• Prepare		Pending
• Setup		Pending
Setup Oracle Base		Pending
Execute Root Scripts		Pending
Configure Oracle Grid Infrastructure for a Cluster		Pending

Details   Revert All   Revert   Retry   Skip

19c **ORACLE**
Grid Infrastructure

Help   < Back   Next >   Submit   Cancel

Install Product

19ᶜ ORACLE
Grid Infrastructure

- Configuration Option
- Node Selection
- Management Options
- Installation Location
- Root script execution
- Batch selection
- Prerequisite Checks
- Summary
- **Install Product**
- Finish

Progress

| 32% |

Saving Cluster Inventory

Status

✔ Configure Local Node		Succeeded
✔ • Prepare		Succeeded
✔ • Link binaries		Succeeded
✔ • Setup		Succeeded
✔ Copy Files to Remote Nodes		Succeeded
✔ Configure Remote Nodes		Succeeded
✔ • Prepa		Succeeded
✔ • Setup		Succeeded
✔ Setup Ora	updat	Succeeded
➡ Execute R	updat	In Progress
• Execu	updat	Pending
• Execu	updat	Pending
Configure	Saving	Pending
	Startin	
	Comp	
	Copyi	
	Loadi	
	Instan	
	Saving Cluster Inventory	

Oracle Grid Infrastructure 19c Installer@predocdb1 ✕

⚠ Configuration scripts generated by the Installer need to be run as a privileged user (root). Installer will run these scripts using the privileged user credentials provided earlier.

Are you sure you want to continue ?

Yes   No

Close

Details   Revert All   Revert   Retry   Skip

19ᶜ ORACLE
Grid Infrastructure

Help   < Back   Next >   Submit   Cancel

Install Product

19c ORACLE
Grid Infrastructure

Configuration Option
Node Selection
Management Options
Installation Location
Root script execution
Batch selection
Prerequisite Checks
Summary
Install Product
Finish

Progress

| 35% |

Root script execution on Batch 1 of nodes is completed. Installer is waiting for your confirmation to continue processing the batch.

Status

✔ Configure Local Node		Succeeded
✔ • Prepare		Succeeded
✔ • Link binaries		Succeeded
✔ • Setup		Succeeded
✔ Copy File		Succeeded
✔ Configure		Succeeded
✔ • Prepa		Succeeded
✔ • Setup		Succeeded
✔ Setup On		Succeeded
➡ Execute		In Progress
✔ • Execu		Succeeded
➡ • Execu		Waiting
Configure		Pending

Batch execution confirmation@predocdb1 ✕

ℹ Root script execution on Batch 1 of nodes is completed. Installer is waiting for your input to continue the execution of script on next batch. Select Execute Now option to execute the root script on the next batch now, otherwise select Execute Later. If you decide to execute later, you can click on Continue button on installer screen when you are ready.

Execute Later   Execute Now

Details   Revert All   Revert   Retry   Continue

19c ORACLE
Grid Infrastructure

Help

< Back   Next >   Submit   Cancel

Install Product

19ᶜ ORACLE
Grid Infrastructu

- Configuration Option
- Node Selection
- Management Options
- Installation Location
- Root script execution
- Batch selection
- Prerequisite Checks
- Summary
- **Install Product**
- Finish

Progress

| 100% |

Setup completed with overall status as Succeeded

Status

Status	
✔ Configure Local Node	Succeeded
✔ • Prepare	Succeeded
✔ • Link binaries	Succeeded
✔ • Setup	Succeeded
✔ Copy Files to Remote Nodes	Succeeded
✔ Configure Remote Nodes	Succeeded
✔ • Prepare	Succeeded
✔ • Setup	Succeeded
✔ Setup Oracle Base	Succeeded
✔ Execute Root Scripts	Succeeded
✔ • Execute root script on nodes of Batch 1	Succeeded
✔ • Execute root script on nodes of Batch 2	Succeeded
✔ Configure Oracle Grid Infrastructure for a Cluster	Succeeded
✔ • Update Inventory	Succeeded
✔ • Oracle Cluster Verification Utility	Ignored

Oracle Grid Infrastructure 19c Installer@predocdb1 ✕

⚠ [INS-43080] Some of the configuration assistants failed, were cancelled or skipped.

Are you sure you want to continue ?

| Yes | No | Details |

19ᶜ ORACLE
Grid Infrastructure

| Retry | Skip |

| Help | | < Back | Next > | Submit | Close |

Finish

19ᶜ ORACLE
Grid Infrastructure

- Configuration Option
- Node Selection
- Management Options
- Installation Location
- Root script execution
- Batch selection
- Prerequisite Checks
- Summary
- Install Product
- **Finish**

The upgrade of Oracle Grid Infrastructure for a Cluster was successful, but some configuration assistants failed, were cancelled or skipped.

Help   < Back   Next >   Submit   Close

Now Verification

Update   asm.env file

From

export ORACLE_HOME=/u01/app/11.2.0/grid

export PATH=$ORACLE_HOME/bin:$PATH

export ORACLE_SID=+ASM1

export PATH=/u01/app/oracle/product/11.2.0/dbhome_1/OPatch:$PATH:$ORACLE_HOME/bin:$ORA_CRS_HOME/bin:.

To

export ORACLE_HOME=/u01/app/19c/grid

export PATH=$ORACLE_HOME/bin:$PATH

export ORACLE_SID=+ASM1

export PATH=/u01/app/19c/grid/OPatch:$PATH:$ORACLE_HOME/bin:$ORA_CRS_HOME/bin:

bash-4.2$ sqlplus / as sysasm

SQL*Plus: Release 19.0.0.0.0 - Production on Tue Apr 22 21:27:51 2025

Version 19.3.0.0.0

Copyright (c) 1982, 2019, Oracle. All rights reserved.

Connected to:

Oracle Database 19c Enterprise Edition Release 19.0.0.0.0 - Production

Version 19.3.0.0.0

ps -ef | grep d.bin

```
bash-4.2$ ps -ef | grep d.bin
   grid  7864454        1  0 21:01:30    -  0:00 /u01/app/19c/grid/bin/tnslsnr LISTENER_SCAN3 -no_crs_notify -inherit
   root  8323084  9240786  0 20:48:20    -  0:00 /u01/app/19c/grid/perl/bin/perl /u01/app/19c/grid/bin/diagsnap.pl start
   grid  8585288  7995526  0 21:32:30 pts/4  0:00 grep d.bin
   root  9240786        1  2 20:46:17    -  0:08 /u01/app/19c/grid/bin/osysmond.bin
   grid  9830446        1  0 20:45:50    -  0:00 /u01/app/19c/grid/bin/mdnsd.bin
   grid 14614554 29360144  0 20:46:02    -  0:09 /u01/app/19c/grid/bin/ocssd.bin
   grid 15204474        1  0 20:46:55    -  0:00 /u01/app/19c/grid/bin/tnslsnr LISTENER -no_crs_notify -inherit
   root 19988666        1  2 20:46:13    -  0:11 /u01/app/19c/grid/bin/octssd.bin reboot
 oracle 20840688        1  0 21:08:32    -  0:01 /u01/app/19c/grid/bin/oraagent.bin
   grid 21102686        1  0 21:08:32    -  0:19 /u01/app/19c/grid/bin/oraagent.bin
   grid 21495994        1  0 20:45:47    -  0:07 /u01/app/19c/grid/bin/oraagent.bin
   root 23265302        1  0 20:46:20    -  0:08 /u01/app/19c/grid/bin/ologgerd -M
   root 23920778        1  0 21:08:26    -  0:16 /u01/app/19c/grid/bin/crsd.bin reboot
   root 23986402        1  0 20:46:01    -  0:01 /u01/app/19c/grid/bin/cssdagent
   grid 25165968        1  1 20:45:48    -  0:12 /u01/app/19c/grid/bin/evmd.bin
   root 27459722        1  7 21:08:32    -  0:37 /u01/app/19c/grid/bin/orarootagent.bin
   grid 27590868        1  0 20:45:51    -  0:00 /u01/app/19c/grid/bin/gpnpd.bin
   root 28114998        1  1 20:45:41    -  0:47 /u01/app/19c/grid/bin/ohasd.bin exclusive
   grid 28442848 25165968  0 20:45:50    -  0:00 /u01/app/19c/grid/bin/evmlogger.bin -o /u01/app/19c/grid/log/[HOSTNAME]/evmd/evmlogger.info -l /u01/app/19c/grid/log/[HOSTNAME]/evmd/evmlogger.log
   root 29360144        1  0 20:46:02    -  0:00 /bin/sh /u01/app/19c/grid/bin/ocssd
   grid 32637098        1  0 20:48:53    -  0:00 /u01/app/19c/grid/bin/tnslsnr ASMNET1LSNR_ASM -no_crs_notify -inherit
   grid 37028880        1  0 20:45:59    -  0:03 /u01/app/19c/grid/bin/gipcd.bin
   grid 39846804        1  0 21:01:30    -  0:00 /u01/app/19c/grid/bin/tnslsnr LISTENER_SCAN2 -no_crs_notify -inherit
   root 41287764        1  0 20:45:59    -  0:01 /u01/app/19c/grid/bin/cssdmonitor
   root 41615408        1  0 20:45:44    -  0:04 /u01/app/19c/grid/bin/orarootagent.bin
bash-4.2$
```

bash-4.2$ $ORACLE_HOME/bin/crsctl stat res -t

```
bash-4.2$ $ORACLE_HOME/bin/crsctl stat res -t
--------------------------------------------------------------------------------
Name           Target  State        Server                   State details
--------------------------------------------------------------------------------
Local Resources
--------------------------------------------------------------------------------
ora.LISTENER.lsnr
               ONLINE  ONLINE       predocdb1                STABLE
               ONLINE  ONLINE       predocdb2                STABLE
ora.net1.network
               ONLINE  ONLINE       predocdb1                STABLE
               ONLINE  ONLINE       predocdb2                STABLE
ora.ons
               ONLINE  ONLINE       predocdb1                STABLE
               ONLINE  ONLINE       predocdb2                STABLE
ora.proxy_advm
               OFFLINE OFFLINE      predocdb1                STABLE
               OFFLINE OFFLINE      predocdb2                STABLE
--------------------------------------------------------------------------------
Cluster Resources
--------------------------------------------------------------------------------
ora.ASMNET1LSNR_ASM.lsnr(ora.asmgroup)
      1        ONLINE  ONLINE       predocdb1                STABLE
      2        ONLINE  ONLINE       predocdb2                STABLE
ora.DATA.dg(ora.asmgroup)
      1        ONLINE  ONLINE       predocdb1                STABLE
      2        ONLINE  ONLINE       predocdb2                STABLE
ora.LISTENER_SCAN1.lsnr
      1        ONLINE  ONLINE       predocdb2                STABLE
ora.LISTENER_SCAN2.lsnr
      1        ONLINE  ONLINE       predocdb1                STABLE
ora.LISTENER_SCAN3.lsnr
      1        ONLINE  ONLINE       predocdb1                STABLE
ora.OCRVOT.dg(ora.asmgroup)
      1        ONLINE  ONLINE       predocdb1                STABLE
      2        ONLINE  ONLINE       predocdb2                STABLE
ora.RECO.dg(ora.asmgroup)
      1        ONLINE  ONLINE       predocdb1                STABLE
```

```
      2          ONLINE   ONLINE       predocdb2                     STABLE
ora.asm(ora.asmgroup)
      1          ONLINE   ONLINE       predocdb1                     STABLE
      2          ONLINE   ONLINE       predocdb2                     STABLE
ora.asmnet1.asmnetwork(ora.asmgroup)
      1          ONLINE   ONLINE       predocdb1                     STABLE
      2          ONLINE   ONLINE       predocdb2                     STABLE
ora.cvu
      1          ONLINE   ONLINE       predocdb2                     STABLE
ora.edocdb.db
      1          ONLINE   ONLINE       predocdb1                     Open,HOME=/u01/app/o
                                                                     racle/product/11.2.0
                                                                     /dbhome_1,STABLE
      2          ONLINE   ONLINE       predocdb2                     Open,HOME=/u01/app/o
                                                                     racle/product/11.2.0
                                                                     /dbhome_1,STABLE
ora.predocdb1.vip
      1          ONLINE   ONLINE       predocdb1                     STABLE
ora.predocdb2.vip
      1          ONLINE   ONLINE       predocdb2                     STABLE
ora.qosmserver
      1          ONLINE   ONLINE       predocdb2                     STABLE
ora.scan1.vip
      1          ONLINE   ONLINE       predocdb2                     STABLE
ora.scan2.vip
      1          ONLINE   ONLINE       predocdb1                     STABLE
ora.scan3.vip
      1          ONLINE   ONLINE       predocdb1                     STABLE
--------------------------------------------------------------------------------
bash-4.2$
```

crsctl check cluster -all

```
bash-4.2$
bash-4.2$ crsctl check cluster -all
**************************************************************
predocdb1:
CRS-4537: Cluster Ready Services is online
CRS-4529: Cluster Synchronization Services is online
CRS-4533: Event Manager is online
**************************************************************
predocdb2:
CRS-4537: Cluster Ready Services is online
CRS-4529: Cluster Synchronization Services is online
CRS-4533: Event Manager is online
**************************************************************
bash-4.2$
```

crsctl query crs activeversion -f

```
bash-4.2$ crsctl query crs activeversion -f
Oracle Clusterware active version on the cluster is [19.0.0.0.0]. The cluster upgrade state is [UPGRADE FINAL]. The cluster active patch level is [2676783881].
bash 4.2$
```

Now Database upgradation from 11.2.0.4 to 19c using Autoupgrade utility

mkdir -p /u01/app/19c_db/product/db_home1

chown oracle:oinstall /u01/app/19c_db/product/db_home1

unzip 19c software in this home

unzip V982583-01.zip -d /u01/app/19c_db/product/db_home1

cd /u01/app/19c_db/product/db_home1

Do the same above commands in node 2 as well

Now On NODE1

./runInstaller

Select Configuration Option

19c ORACLE Database

- Configuration Option
- Database Installation Options
- Install Type
- Typical Installation
- Root script execution
- Prerequisite Checks
- Summary
- Install Product
- Finish

Select any of the following install options.

○ Create and configure a single instance database.

This option creates a starter database.

◉ Set Up Software Only

Note 1: For RAC install, do 'Set Up Software Only' and then execute DBCA (Database Configuration Assistant) from the oracle home.
Note 2: To upgrade an Oracle Database, do 'Set Up Software Only' and then execute DBUA (Database Upgrade Assistant) from the oracle home.

Help   < Back   Next >   Install   Cancel

Terminal:

```
bash-4.2$
bash-4.2$ pwd
/u01/app/19c_db/product/db_home1
bash-4.2$
bash-4.2$
bash-4.2$
bash-4.2$
bash-4.2$ ls
OPatch          bin           cv            diagno          utl
QOpatch         cfgtoollogs   data          dmu             wwg
R               clone         dbjava        drdaas          xdk
addnode         crs           dbs           dv
apex            css           deinstall     env.o
assistants      ctx           demo          has
bash-4.2$
bash-4.2$
bash-4.2$
bash-4.2$
bash-4.2$
bash-4.2$
bash-4.2$
bash-4.2$ ./runInstaller

********************************************************

Your platform requires the root user to perform cer
OS preparation.  The root user should run the shel
you proceed with Oracle installation. The rootpre.s
/u01/app/19c_db/product/db_home1/clone/rootpre.sh

Answer 'y' if root has run 'rootpre.sh' so you can
installation.
Answer 'n' to abort installation and then ask root

********************************************************

Has 'rootpre.sh' been run by root in this machine?
y
Launching Oracle Database Setup Wizard...
```

Select Database Installation Option

19^c ORACLE
Database

- Configuration Option
- **Database Installation Opti**
- Install Type
- Typical Installation
- Root script execution
- Prerequisite Checks
- Summary
- Install Product
- Finish

Select the type of database installation you want to perform.

○ Single instance database installation

◉ Oracle Real Application Clusters database installation

Help   < Back   Next >   Install   Cancel

Select List of Nodes

19c **ORACLE** Database

Configuration Option
Database Installation Options
Nodes Selection
Install Type
Typical Installation
Root script execution
Prerequisite Checks
Summary
Install Product
Finish

Select nodes (in addition to the local node) in the cluster where the installer should install Oracle RAC or Oracle RAC One.

	Node name
1	predocdb1
2	predocdb2

SSH connectivity...

Select all   Deselect all

Help

< Back   Next >   Install   Cancel

Select Database Edition

- Configuration Option
- Database Installation Options
- Nodes Selection
- **Database Edition**
- Installation Location
- Operating System Groups
- Root script execution
- Prerequisite Checks
- Summary
- Install Product
- Finish

Which database edition do you want to install?

◉ Enterprise Edition

Oracle Database 19c Enterprise Edition is a self-managing database that has the scalability, performance, high availability, and security features required to run the most demanding, mission-critical applications.

◯ Standard Edition 2

Oracle Database 19c Standard Edition 2 is a full-featured data management solution ideally suited to the needs of medium-sized businesses.

Help   < Back   Next >   Install   Cancel

Specify Installation Location

19ᶜ ORACLE Database

- Configuration Option
- Database Installation Options
- Nodes Selection
- Database Edition
- **Installation Location**
- Operating System Groups
- Root script execution
- Prerequisite Checks
- Summary
- Install Product
- Finish

Specify a path to place all Oracle software and configuration-related files installed by this installation owner. This location is the Oracle base directory for the installation owner.

Oracle base: `/u01/app/oracle`   [Browse...]

This software directory is the Oracle Database home directory.

Software location: /u01/app/19c_db/product/db_home1

[Help]   [< Back] [Next >] [Install] [Cancel]

Privileged Operating System groups

19c ORACLE®
Database

SYS privileges are required to create a database using operating system (OS) authentication. Membership in OS Groups grants the corresponding SYS privilege, eg. membership in OSDBA grants the SYSDBA privilege.

Database Administrator (OSDBA) group: oinstall ▾

Database Operator (OSOPER) group (Optional):   oinstall ▾

Database Backup and Recovery (OSBACKUPDBA) group: oinstall ▾

Data Guard administrative (OSDGDBA) group: oinstall ▾

Encryption Key Management administrative (OSKMDBA) group: oinstall ▾

Real Application Cluster administrative (OSRACDBA) group: oinstall ▾

Help   < Back   Next >   Install   Cancel

Perform Prerequisite Checks

19c ORACLE Database

- Configuration Option
- Database Installation Options
- Nodes Selection
- Database Edition
- Installation Location
- Operating System Groups
- Root script execution
- **Prerequisite Checks**
- Summary
- Install Product
- Finish

Verifying that the target environment meets minimum installation and configuration requirements for products you have selected. This can take time. Please wait.

0%

Preparing to perform checks...

Help   < Back   Next >   Install   Cancel

Perform Prerequisite Checks

19c ORACLE Database

Configuration Option
Database Installation Options
Nodes Selection
Database Edition
Installation Location
Operating System Groups
Root script execution
Prerequisite Checks
Summary
Install Product
Finish

Verification Result

Some of the minimum requirements for installation are not completed. Review and fix the issues listed in the following table, and recheck the system.

Check Again | Fix & Check Again | Show Failed ▼ | All Nodes ▼ | ☐ Ignore All

Checks	Status	Fixable
Checks		
resolv.c	Failed	No
Time zo	Warning	No
[Ora		
Ora	Failed	No
'/u0	Failed	No
[Clo		
Clo	Failed	No
	Failed	No
	Failed	No
ng option "-x"	Failed	No

Details@predocdb1 ✕

Oracle home: /u01/app/19c_db/product/db_home1 – This task verifies the writability of the Oracle Database software home /u01/app/19c_db/product/db_home1
Error:
- PRVG-11946 : Oracle Database software home location "/u01/app/19c_db/product/db_home1" does not have read permission for group on node "predocdb2".
  PRVG-11947 : Oracle Database software home location "/u01/app/19c_db/product/db_home1" does not have execute permission for group on node "predocdb2".
   – Cause: CVU checking determined that the group permissions were incorrect on the indicated Oracle Database home location on the indicated node.
   – Action: Ensure that the specified home has read permission set and retry the CVU check. An operating system command "chmod g+r" may be used along with the indicated home location to correct the permissions on the node.

Close

This task verifies the writability of the Oracle Database software home /u01/app/19c_db/product/db_home1 (more details)

Check Failed on Nodes: [predocdb2]
Check Succeeded On Nodes: [predocdb1]

Solution:

Run the following command on predocdb2 as root

chmod -R g+rx /u01/app/19c_db/product/db_home1

Ignored remaining errors

Oracle Database 19c Installer - Step 8 of 11@predocdb1

Perform Prerequisite Checks

19c ORACLE Database

Verification Result

Some of the minimum requirements for installation are not completed. Review and fix the issues listed in the following table, and recheck the system.

Check Again | Fix & Check Again | Show Failed ▼ | All Nodes ▼ | ☑ Ignore All

Checks	Status	Fixable
📁 Checks		
resolv.conf Integrity	Ignored	No
Time zone consistency	Ignored	No
📁 [Clock Synchronization]		
Clock Synchronization	Ignored	No
📁 [Network Time Protocol (NTP)]		
Network Time Protocol (NTP)	Ignored	No
NTP daemon command line for slewing option "−x"	Ignored	No
NTP daemon's boot time configuration, in file "/etc/rc.tcpip", for slewing option "−x"	Ignored	No

This task checks consistency of file /etc/resolv.conf file across nodes (more details)

Check Failed on Nodes: [predocdb2, predocdb1]

Help | < Back | Next > | Install | Cancel

Configuration Option
Database Installation Options
Nodes Selection
Database Edition
Installation Location
Operating System Groups
Root script execution
Prerequisite Checks
Summary
Install Product
Finish

Perform Prerequisite Checks

19ᶜ ORACLE Database

Configuration Option
Database Installation Options
Nodes Selection
Database Edition
Installation Location
Operating System Groups
Root script execution
Prerequisite Checks
Summary
Install Product
Finish

Verification Result

Some of the minimum requirements for installation are not completed. Review and fix the issues listed in the following table, and recheck the system.

Check Again | Fix & Check Again | Show Failed ▼ | All Nodes ▼ | ☑ Ignore All

Checks	Status	Fixable
👓 Checks		
⌞ resolv.conf Integrity	Ignored	No
⌞ Time zone consistency	Ignored	No
⊟ 👓 [Clock Synchronization]		
⌞ Clock Synchronization	Ignored	No

Oracle Database 19c Installer@predocdb1 ✕

⚠ [INS-13016] You have chosen to ignore some of the prerequisites for this installation. This may impact product configuration.

Are you sure you want to continue ?

Yes | No | Details

	Ignored	No
	Ignored	No
	Ignored	No

This task checks consistency of file /etc/resolv.conf file across nodes (more details)

Check Failed on Nodes: [predocdb2, predocdb1]

Help | < Back | Next > | Install | Cancel

Summary

19c ORACLE Database

- Oracle Database 19c Installer
  - **Global settings**
    - Database edition: Enterprise Edition (Set Up Software Only) [Edit]
    - Oracle base: /u01/app/oracle [Edit]
    - Software location: /u01/app/19c_db/product/db_home1
    - Privileged Operating System groups: oinstall (OSDBA), oinstall (OSOPER), oinstall (OSBACKUPDBA), oinstall (OSDGDBA), oinst
    - Root script execution configuration: Root user credential [Edit]
  - **Grid Options**
    - Cluster Nodes: predocdb1, predocdb2 [Edit]

Save Response File...

Help   < Back   Next >   Install   Cancel

Install Product

19c ORACLE Database

- Configuration Option
- Database Installation Options
- Nodes Selection
- Database Edition
- Installation Location
- Operating System Groups
- Root script execution
- Prerequisite Checks
- Summary
- **Install Product**
- Finish

Progress

12%

Copying files for 'Oracle Multimedia Locator 19.0.0.0.0 '

Status

➡	Configure Local Node	In Progress
➡	• Prepare	In Progress
	• Link binaries	Pending
	• Setup	Pending
	Copy Files to Remote Nodes	Pending
	Configure Remote Nodes	Pending
	• Prepare	Pending
	• Setup	Pending
	Setup Oracle Base	Pending
	Execute Root Scripts	Pending

Details   Revert All   Revert   Retry   Skip

19c ORACLE Database

Help   < Back   Next >   Install   Cancel

Finish

19c ORACLE Database

- Configuration Option
- Database Installation Options
- Nodes Selection
- Database Edition
- Installation Location
- Operating System Groups
- Root script execution
- Prerequisite Checks
- Summary
- Install Product
- **Finish**

The registration of Oracle Database was successful.

Help   < Back   Next >   Install   Close

Download latest autoupgrade.jar file from oracle support and replace it old file as

cd /u01/app/19c_db/product/db_home1/rdbms/admin

mv autoupgrade.jar autoupgrade.jar_org

Now Copy downloaded updated autoupgrade.jar file to target directory

3. Create the config file

----------------------:

java -jar /u01/app/19c_db/product/db_home1/rdbms/admin/autoupgrade.jar -create_sample_file config

found error

```
bash-4.2$
bash-4.2$ java -jar /u01/app/19c_db/product/db_home1/rdbms/admin/autoupgrade.jar -create_sample_file config
bash: java: command not found
bash-4.2$
bash-4.2$
```

Solution:

Add following lines in .env file

export ORACLE_HOME=/u01/app/19c_db/product/db_home1

export JAVA_HOME=$ORACLE_HOME/jdk

export PATH=$JAVA_HOME/bin:$PATH

run command again

```
bash-4.2$ java -jar /u01/app/19c_db/product/db_home1/rdbms/admin/autoupgrade.jar -create_sample_file config
Created sample configuration file /home/oracle/sample_config.cfg
bash-4.2$ ▮
```

Sample_config.cfg   File is created at /home/oracle

Now change config.cfg file according to our requirements

bash-4.2$ vi sample_config.cfg

updated file

source = /u01/app/oracle/product/11.2.0/dbhome_1

target = /u01/app/19c_db/product/db_home1

sid = edocdb1

sid2 = edocdb2

predocdb1.ptcl.net.pk

predocdb2.ptcl.net.pk

```
# build date    2025/02/12 18:51:30 +0000
#
#
# Global configurations
#
# This directory will include the following:
#   (1) AutoUpgrade''s global directory
#   (2) Any logs, not directly tied to a job
#   (3) Config files
#   (4) progress.json and status.json
global.autoupg_log_dir=/u01/app/oracle/cfgtoollogs/autoupgrade

#
# Database number 1 - Full DB/CDB upgrade
#
upg1.log_dir=/u01/app/oracle/cfgtoollogs/autoupgrade/preadoc          # Path of the log directory for the upgrade job
upg1.sid=edocdb1                                 # ORACLE_SID of the source DB/CDB
upg1.source_home=/u01/app/oracle/product/11.2.0/dbhome_1  # Path of the source ORACLE_HOME
upg1.target_home=/u01/app/19c_db/product/db_home1  # Path of the target ORACLE_HOME
upg1.start_time=NOW                             # Optional. [NOW | +XhYm (X hours, Y minutes after launch) | dd/mm/yyyy hh:mm:ss]
upg1.upgrade_node=predocdb1.ptcl.net.pk                         # Optional. To find out the name of your node, run the hostname utility. Default is ''localhost''
upg1.run_utlrp=yes                              # Optional. Whether or not to run utlrp after upgrade
upg1.timezone_upg=yes                           # Optional. Whether or not to run the timezone upgrade
upg1.target_version=19                    # Oracle version of the target ORACLE_HOME.  Only required when the target Oracle database version is 12.2

#
# Database number 2 - Unplug/Plug upgrade
#
upg2.log_dir=/u01/app/oracle/cfgtoollogs/autoupgrade/preadoc2
upg2.sid=edocdb2
upg2.source_home=/u01/app/oracle/product/11.2.0/dbhome_1
#upg2.target_cdb=cdb19
upg2.target_home=/u01/app/19c_db/product/db_home1
#upg2.pdbs=mypdb1,mypdb2                    # Comma delimited list of pdb names that will be upgraded and moved to the target CDB
#upg2.target_pdb_name.mypdb1=altpdb1        # Optional. Name of the PDB to be created on the target CDB
#upg2.target_pdb_copy_option.mypdb1=file_name_convert=('mypdb1', 'altpdb1')  # Optional. file_name_convert option used when creating the PDB on the target CDB
#upg2.target_pdb_name.mypdb2=altpdb2
#upg2.start_time=23/04/2025 15:49:11        # Optional. [NOW | +XhYm (X hours, Y minutes after launch) | dd/mm/yyyy hh:mm:ss]
upg2.upgrade_node=predocdb2.ptcl.net.pk            # Optional. To find out the name of your node, run the hostname utility. Default is ''localhost''
upg2.run_utlrp=yes                  # Optional. Whether or not to run utlrp after upgrade
upg2.timezone_upg=yes               # Optional. Whether or not to run the timezone upgrade
```

on node1:

mkdir -p /u01/app/cfgtoollogs/autoupgrade/preedoc

chown oracle:oinstall /u01/app/cfgtoollogs/autoupgrade/preedoc/

chown oracle:oinstall /u01/app/cfgtoollogs/autoupgrade/

on node2:

mkdir -p /u01/app/cfgtoollogs/autoupgrade/preedoc2

chown oracle:oinstall /u01/app/cfgtoollogs/autoupgrade/preedoc2/

chown oracle:oinstall /u01/app/cfgtoollogs/autoupgrade/

Now Run

cd /u01/app/19c_db/product/db_home1/rdbms/admin

java -jar autoupgrade.jar -config /home/oracle/sample_config.cfg -mode analyze

```
bash-4.2$ java -jar autoupgrade.jar -config /home/oracle/sample_config.cfg -mode analyze
AutoUpgrade 25.1.250212 launched with default internal options
Processing config file ...
+--------------------------------+
| Starting AutoUpgrade execution |
+--------------------------------+
1 Non-CDB(s) will be analyzed
Type 'help' to list console commands
upg> Job 100 completed
------------------ Final Summary --------------------
Number of databases           [ 1 ]

Jobs finished                 [1]
Jobs failed                   [0]

Please check the summary report at:
/u01/app/oracle/cfgtoollogs/autoupgrade/cfgtoollogs/upgrade/auto/status/status.html
/u01/app/oracle/cfgtoollogs/autoupgrade/cfgtoollogs/upgrade/auto/status/status.log
bash-4.2$
```

Number of Jobs:1

Job ID:100

DB Name:edocdb
DB Version Before Upgrade:11.2.0.4.0
DB Version After Upgrade:19.3.0.0.0

Autoupgrade Stage List

Stage Name	Status	Start Time	Duration	Log Directory	Detail
PRECHECKS	SUCCESS	2025-04-23 15:25:48	0:00:22	/u01/app/oracle/cfgtoollogs/autoupgrade/preedoc/edocdb1/100/prechecks	Checks Report Check passed and no manual intervention needed

Report Summary

N/A

```
==========================================
          Autoupgrade Summary Report
==========================================
[Date]              Wed Apr 23 15:26:10 PKT 2025
[Number of Jobs] 1
==========================================
[Job ID] 100
==========================================
[DB Name]             edocdb
[Version Before Upgrade] 11.2.0.4.0
[Version After Upgrade]  19.3.0.0.0
------------------------------------------
[Stage Name]    PRECHECKS
[Status]        SUCCESS
[Start Time]    2025-04-23 15:25:48
[Duration]      0:00:22
[Log Directory] /u01/app/oracle/cfgtoollogs/autoupgrade/preedoc/edocdb1/100/prechecks
[Detail]        /u01/app/oracle/cfgtoollogs/autoupgrade/preedoc/edocdb1/100/prechecks/edocdb_preupgrade.log
                Check passed and no manual intervention needed
------------------------------------------
```

Now Final upgrade command

cd /u01/app/19c_db/product/db_home1/rdbms/admin

java -jar autoupgrade.jar -config /home/oracle/sample_config.cfg -mode deploy

```
bash-4.2$ java -jar autoupgrade.jar -config /home/oracle/sample_config.cfg -mode deploy
AutoUpgrade 25.1.250212 launched with default internal options
Processing config file ...
+--------------------------------+
| Starting AutoUpgrade execution |
+--------------------------------+
1 Non-CDB(s) will be processed
Type 'help' to list console commands
upg>  tasks
+---+--------------------+-------------+
| ID|                NAME|         Job#|
+---+--------------------+-------------+
|  1|                main|      WAITING|
|  2|    Signal Dispatcher|     RUNNABLE|
| 24|Attach API wait loop|     RUNNABLE|
| 73|          event_loop|TIMED_WAITING|
| 74|             console|     RUNNABLE|
| 75|        queue_reader|      WAITING|
| 77|               cmd-0|      WAITING|
| 78|             StatUpg|      WAITING|
| 79|          event_loop|TIMED_WAITING|
| 80|    ClassCache Reaper|      WAITING|
| 82|       job_manager-0|      WAITING|
| 87|           exec_loop|      WAITING|
| 88|           exec_loop|      WAITING|
|273|    edocdb1-puifxl0-0|      WAITING|
|274|    edocdb1-puifxl0-1|      WAITING|
|275|    edocdb1-puifxl0-2|      WAITING|
|276|    edocdb1-puifxl0-3|      WAITING|
|277|    edocdb1-puifxl0-4|      WAITING|
|278|    edocdb1-puifxl0-5|      WAITING|
|279|    edocdb1-puifxl0-6|      WAITING|
|280|    edocdb1-puifxl0-7|      WAITING|
|292|       sql-[32A770] |     RUNNABLE|
+---+--------------------+-------------+
upg>
```

```
upg>  status

Config

        User configuration file    [/home/oracle/sample_config.cfg]
        General logs location      [/u01/app/oracle/cfgtoollogs/autoupgrade/cfgtoollogs/upgrade/auto]
        Mode                       [DEPLOY]
Jobs Summary

        Total databases in configuration file [1]
        Total Non-CDB being processed         [1]
        Total Containers being processed      [0]

        Jobs finished successfully            [0]
        Jobs finished/stopped                 [0]
        Jobs in progress                      [1]

Progress
        +---+----------------------------------------------------------+
        |Job|                                                  Progress|
        +---+----------------------------------------------------------+
        |101|[||||||||||||||||||                               ] 31 %|
        +---+----------------------------------------------------------+
```

```
2025-04-23 15:41:04.008 INFO DBUI results are being generated - ChecksExecutor.execute#130
2025-04-23 15:41:04.008 INFO Creating checklist file for db [edocdb1] - ChecksExecutor.execute#173
2025-04-23 15:41:04.009 INFO Creation of checklist file has finished for db [edocdb1] - ChecksExecutor.execute#175
2025-04-23 15:41:04.009 INFO End - ChecksExecutor.execute#176
2025-04-23 15:41:04.010 INFO edocdb1-PREFIXUPS-0 - CommonStatus.addStatus#84
2025-04-23 15:41:04.012 INFO Starting - ProgressManager.writeHtmlStatus#482
2025-04-23 15:41:04.022 INFO File /u01/app/oracle/cfgtoollogs/autoupgrade/preedoc/edocdb1/101/dbupgrade/upg_summary.log not found - ProgressManager.generateJobsInfo#615
2025-04-23 15:41:04.023 INFO End - ProgressManager.writeHtmlStatus#537
2025-04-23 15:41:04.024 INFO End - ChecksController.runChecks#494
2025-04-23 15:41:04.024 INFO Re-Executing Checks in edocdb1 - ChecksController.executeChecksAfterFixUps#190
2025-04-23 15:41:04.024 INFO Starting - ChecksController.reportChecksWithErrors#368
2025-04-23 15:41:04.024 INFO End - ChecksController.reportChecksWithErrors#402
2025-04-23 15:41:04.025 INFO Starting - ChecksController.evaluateBlockerChecks#292
2025-04-23 15:41:04.025 INFO Starting - ChecksController.getPreCheckBlockers#325
2025-04-23 15:41:04.025 INFO End - ChecksController.getPreCheckBlockers#358
2025-04-23 15:41:04.025 INFO Adding Job context key[successful_fixups] value[2025-04-23 15:41:04] for job [101] - CommonBackBone.addJobContext#270
2025-04-23 15:41:04.033 INFO End - ChecksController.executeChecksAfterFixUps#204
2025-04-23 15:41:04.034 INFO Starting - ExecuteFixUps.checksReExecutionReport#214
2025-04-23 15:41:04.034 INFO Running report for edocdb1 - ReportAssistant.createFixUpsCheckReports#220
2025-04-23 15:41:04.035 INFO Starting - ChecksHtmlReporter.generateReport#88
2025-04-23 15:41:04.040 INFO End - ChecksHtmlReporter.generateReport#108
2025-04-23 15:41:04.041 INFO Finished report for edocdb1 - ReportAssistant.createFixUpsCheckReports#247
2025-04-23 15:41:04.041 INFO End - ExecuteFixUps.checksReExecutionReport#232
2025-04-23 15:41:04.041 INFO Starting - JQPManager.resetParameter#89
2025-04-23 15:41:04.042 INFO Starting - JQPManager.updateJQP#106
2025-04-23 15:41:04.042 INFO End - JQPManager.resetParameter#95
2025-04-23 15:41:04.046 INFO Starting - ExecuteFixUps.leaveDatabaseInProperState#242
2025-04-23 15:41:04.046 INFO Not Upgrade Mode - ExecuteFixUps.leaveDatabaseInProperState#262
2025-04-23 15:41:04.046 INFO End - ExecuteFixUps.executeStage_#184
2025-04-23 15:41:04.061 INFO The status of the JobStageAction [oracle.upgrade.autoupgrade.dispatcher.facade.subsystems.ExecuteFixUps] was [true] - JobStage.executeStage#86
2025-04-23 15:41:04.069 INFO Completed stage PREFIXUPS of job 101 - RunJobDefinition.runJob#149
2025-04-23 15:41:04.069 INFO Stopping background threads for [oracle.upgrade.autoupgrade.dispatcher.facade.subsystems.ExecuteFixUps] - JobStage.stopThreads#169
2025-04-23 15:41:04.070 INFO Completed stopping background threads for [oracle.upgrade.autoupgrade.dispatcher.facade.subsystems.ExecuteFixUps] - JobStage.stopThreads#171
2025-04-23 15:41:04.078 INFO Adding Job context key[dispatcher_stage] value[5] for job [101] - CommonBackBone.addJobContext#270
2025-04-23 15:41:04.087 INFO Retrieving next JobStage - JobDefinition.getNextStage#97
2025-04-23 15:41:04.088 INFO Completed retrieving next JobStage - JobDefinition.getNextStage#101
2025-04-23 15:41:04.088 INFO Starting background threads for [oracle.upgrade.autoupgrade.dispatcher.facade.subsystems.ExecuteDrain] - JobStage.startThreads#160
2025-04-23 15:41:04.088 INFO Completed starting background threads for [oracle.upgrade.autoupgrade.dispatcher.facade.subsystems.ExecuteDrain] - JobStage.startThreads#162
2025-04-23 15:41:04.106 INFO Executing stage DRAIN of job 101 - RunJobDefinition.runJob#141
2025-04-23 15:41:04.106 INFO Running JobStageAction [oracle.upgrade.autoupgrade.dispatcher.facade.subsystems.ExecuteDrain] - JobStage.executeStage#78
2025-04-23 15:41:04.131 INFO Starting drain - ExecuteDrain.executeStage#107
```

```
Config

        User configuration file      [/home/oracle/sample_config.cfg]
        General logs location        [/u01/app/oracle/cfgtoollogs/autoupgrade/cfgtoollogs/upgrade/auto]
        Mode                         [DEPLOY]
Jobs Summary

        Total databases in configuration file [1]
        Total Non-CDB being processed        [1]
        Total Containers being processed     [0]

        Jobs finished successfully           [0]
        Jobs finished/stopped                [0]
        Jobs in progress                     [1]

Progress
        +---+--------------------------------------------------------+
        |Job|                                              Progress|
        +---+--------------------------------------------------------+
        |101|[||||||||||||||||||||||                       ] 38 %|
        +---+--------------------------------------------------------+

upg>
```

upg> lsj

```
upg> lsj
+----+--------+---------+---------+-------+----------+-------+----------------+
|Job#|DB_NAME|    STAGE|OPERATION| STATUS|START_TIME|UPDATED|         MESSAGE|
+----+--------+---------+---------+-------+----------+-------+----------------+
| 101|edocdb1|POSTFIXUPS|EXECUTING|RUNNING|  15:32:29| 9s ago|Executing fixups|
+----+--------+---------+---------+-------+----------+-------+----------------+
Total jobs 1
```

upg> status -job 101

```
upg> status -job 101
Details

        Job No          101
        Oracle SID      edocdb1
        Start Time      25/04/23 15:32:29
        Elapsed (min):  57
        End time:       N/A

Logfiles

        Logs Base:      /u01/app/oracle/cfgtoollogs/autoupgrade/preedoc/edocdb1
        Job logs:       /u01/app/oracle/cfgtoollogs/autoupgrade/preedoc/edocdb1/101
        Stage logs:     /u01/app/oracle/cfgtoollogs/autoupgrade/preedoc/edocdb1/101/postfixups
        TimeZone:       /u01/app/oracle/cfgtoollogs/autoupgrade/preedoc/edocdb1/temp
        Remote Dirs:

Stages
        SETUP           <1 min
        GRP             <1 min
        PREUPGRADE      <1 min
        PRECHECKS       <1 min
        PREFIXUPS       7 min
        DRAIN           2 min
        DBUPGRADE       39 min
        DISPATCH        <1 min
        POSTCHECKS      <1 min
        DISPATCH        <1 min
        POSTFIXUPS      ~6 min (RUNNING)
        POSTUPGRADE
        SYSUPDATES

Stage-Progress Per Container

        +--------+----------+
        |Database|POSTFIXUPS|
        +--------+----------+
        | edocdb1|    80 % |
        +--------+----------+

upg>
```

```
                    The Stage POSTUPGRADE does not have any data to show
upg> /
Details

        Job No          101
        Oracle SID      edocdb1
        Start Time      25/04/23 15:32:29
        Elapsed (min):  61
        End time:       N/A

Logfiles

        Logs Base:      /u01/app/oracle/cfgtoollogs/autoupgrade/preedoc/edocdb1
        Job logs:       /u01/app/oracle/cfgtoollogs/autoupgrade/preedoc/edocdb1/101
        Stage logs:     /u01/app/oracle/cfgtoollogs/autoupgrade/preedoc/edocdb1/101/sysupdates
        TimeZone:       /u01/app/oracle/cfgtoollogs/autoupgrade/preedoc/edocdb1/temp
        Remote Dirs:

Stages
        SETUP           <1 min
        GRP             <1 min
        PREUPGRADE      <1 min
        PRECHECKS       <1 min
        PREFIXUPS       7 min
        DRAIN           2 min
        DBUPGRADE       39 min
        DISPATCH        <1 min
        POSTCHECKS      <1 min
        DISPATCH        <1 min
        POSTFIXUPS      8 min
        POSTUPGRADE     <1 min
        SYSUPDATES      ~1 min (RUNNING)

Stage-Progress Per Container

        +--------+----------+
        |Database|SYSUPDATES|
        +--------+----------+
        | edocdb1|    1  % |
        +--------+----------+

upg> 
```

```
SQL> select inst_id,instance_number,instance_name,host_name ,status,startup_time ,database_type,VERSION from gv$instance;

   INST_ID INSTANCE_NUMBER INSTANCE_NAME    HOST_NAME                                               STATUS       STARTUP_T DATABASE_TYPE    VERSION
---------- --------------- ---------------- ------------------------------------------------------- ------------ --------- ---------------- -----------------
         2               2 edocdb2          predocdb2                                               OPEN         23-APR-25 RAC              19.0.0.0.0
         1               1 edocdb1          predocdb1                                               OPEN         23-APR-25 RAC              19.0.0.0.0

SQL>
SQL>
SQL>
SQL>
```

```
Stages
        SETUP           <1 min
        GRP             <1 min
        PREUPGRADE      <1 min
        PRECHECKS       <1 min
        PREFIXUPS       7 min
        DRAIN           2 min
        DBUPGRADE       39 min
        DISPATCH        <1 min
        POSTCHECKS      <1 min
        DISPATCH        <1 min
        POSTFIXUPS      8 min
        POSTUPGRADE     <1 min
        SYSUPDATES      ~8 min (RUNNING)

Stage-Progress Per Container

        +--------+----------+
        |Database|SYSUPDATES|
        +--------+----------+
        | edocdb1|     1  % |
        +--------+----------+

upg>
upg> Job 101 completed
------------------- Final Summary --------------------
Number of databases            [ 1 ]

Jobs finished                  [1]
Jobs failed                    [0]
Jobs restored                  [0]
Jobs pending                   [0]

---- Drop GRP at your convenience once you consider it is no longer needed ----
Drop GRP from edocdb1: drop restore point AUTOUPGRADE_9212_EDOCDB112040


Please check the summary report at:
/u01/app/oracle/cfgtoollogs/autoupgrade/cfgtoollogs/upgrade/auto/status/status.html
/u01/app/oracle/cfgtoollogs/autoupgrade/cfgtoollogs/upgrade/auto/status/status.log
bash-4.2$
bash-4.2$
```

End   upgrade Completed .