

# Oracle® Hospitality OPERA

## Oracle 12C RDBMS Utility Install Guide



Release 5.6.5 and higher  
F21158-01  
May 2020

The Oracle logo, consisting of the word "ORACLE" in white, uppercase letters, centered within a solid red square.

ORACLE®

Oracle Hospitality OPERA DB Install Guide (12.2.0.1) 5.6.5 and higher

F21158-01

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# Preface

This document explains how to install the following main products:

- Oracle RDBMS 12.2.0.1
- Extract OPERA database with no data.

## Audience

This document is intended for system administrators, support personnel, and users wanting to install a new 12c database (12.2.0.1).

## Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:

<https://support.oracle.com>

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received and any associated log files
- Screenshots of each step you take

## Documentation

Oracle Hospitality product documentation is available on the Oracle Help Center at <http://docs.oracle.com/en/industries/hospitality/>

## Revision History

Date	Description of Change
July 2019	Initial publication.

# 1

## New 12C (12.2.0.1) DB Install via Command Line

Use this utility to install Oracle RDBMS 12.2.0.1. This utility will only install Oracle RDBMS 12.2.0.1 with no data. Oracle RDBMS 12.2.0.1 is supported on windows 2016 Windows 2012 servers.

### Running 12C (12.2.0.1) DB Utility:

#### **WARNING: OS Compatibility**

Oracle RDBMS 12.2.0.1 is compatible with Windows 2016 and 2012 R2 servers.

Oracle RDBMS 12.2.0.1 is not compatible with 2008 servers.

#### **NOTE: RDBMS CPU patches**

2019 October RDBMS CPU patchsets are included with latest media release.

1. In the DB utility folder, select `Create_DB_Server_version_12.2.0.1.cmd`, then right click and select **Run as administrator**.
2. When prompted, press any key to continue.

**Figure 1 Configuration File CMD Prompt**

```

Administrator: C:\Windows\System32\cmd.exe
Caption=Microsoft Windows Server 2016 Standard

Checking if OS Version is Microsoft Windows Server 2012
Checking if OS Version is Microsoft Windows Server 2016
OS Version is supported. Will proceed with the DB install
Start Database Server Installation
D:\DB.12201-19.0.0.0-579505>echo OFF
Mon 07/15/2019
11:48 AM
Create_DB_Server.cmd:start

Configuration file will be opened in Notepad
Update and review accordingly
Afterwards, close the Notepad, and installation will continue automatically

Press any key to continue . . .
    
```

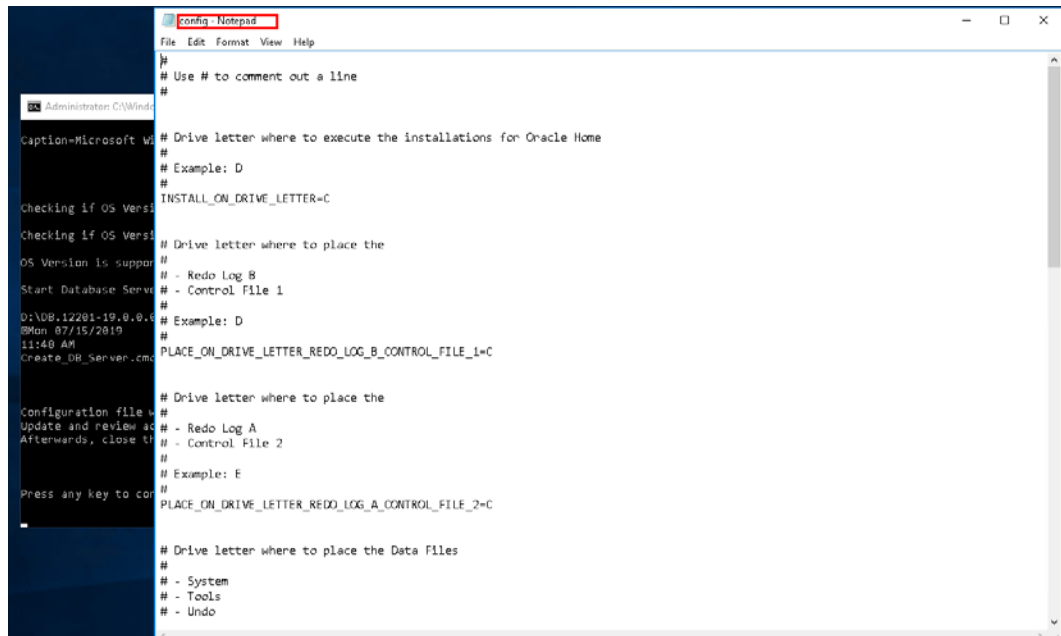
3. The config file opens and the following parameters must be entered and saved before continuing DB install.

**Table 1-1 – Example Table**

Parameters	Description
INSTALL_ON_DRIVE_LETTER	Specify Drive letter where Oracle Home can be installed
PLACE_ON_DRIVE_LETTER_REDO_LOG_B_CONTROL_FILE_1	Specify Drive letter to place <ul style="list-style-type: none"> <li>➤ Redo Log B</li> <li>➤ Control File 1</li> </ul>
PLACE_ON_DRIVE_LETTER_REDO_LOG_A_CONTROL_FILE_2	Specify Drive letter to place following data files <ul style="list-style-type: none"> <li>➤ Redo Log A</li> <li>➤ Control File 2</li> </ul>
PLACE_ON_DRIVE_LETTER_DATA_FILES_SYS_TOOLS_UNDO_TEMPSEG	Specify Drive letter to place following data files <ul style="list-style-type: none"> <li>➤ System</li> <li>➤ Tools</li> <li>➤ Undo</li> <li>➤ Temp Seg</li> </ul>

Parameters	Description
PLACE_ON_DRIVE_LETTER_DATA_ FILES_NAME_DATA_OXI_DATA_ QUICK_DATA_RATE_DATA_RESV_DATA	Specify Drive letter to place following data files <ul style="list-style-type: none"> <li>➤ Name Data</li> <li>➤ OXI Data</li> <li>➤ Quick Data</li> <li>➤ Quick Data</li> <li>➤ Reservation Data</li> </ul>
PLACE_ON_DRIVE_LETTER_DATA_ FILES_FIN_DATA_LOG_DATA_OPERA_DATA	Specify Drive letter to place following data files <ul style="list-style-type: none"> <li>- Financial Data</li> <li>- Log Data</li> <li>- OPERA Data</li> </ul>
PLACE_ON_DRIVE_LETTER_DATA_ FILES_FIN_INDX_LOG_INDX_OPERA_INDX	Specify Drive letter to place following data files <ul style="list-style-type: none"> <li>- Financial Index</li> <li>- Log Index</li> <li>- OPERA Index</li> </ul>
PLACE_ON_DRIVE_LETTER_DATA_ FILES_NAME_INDX_OXI_INDX_QUICK_ INDX_RATE_INDX_RESV_INDX	Specify Drive letter to place following data files <ul style="list-style-type: none"> <li>- Name Index</li> <li>- OXI Index</li> <li>- Quick Index</li> <li>- Rate Index</li> <li>- Reservation Index</li> </ul>

**Figure 1 Config File Open**

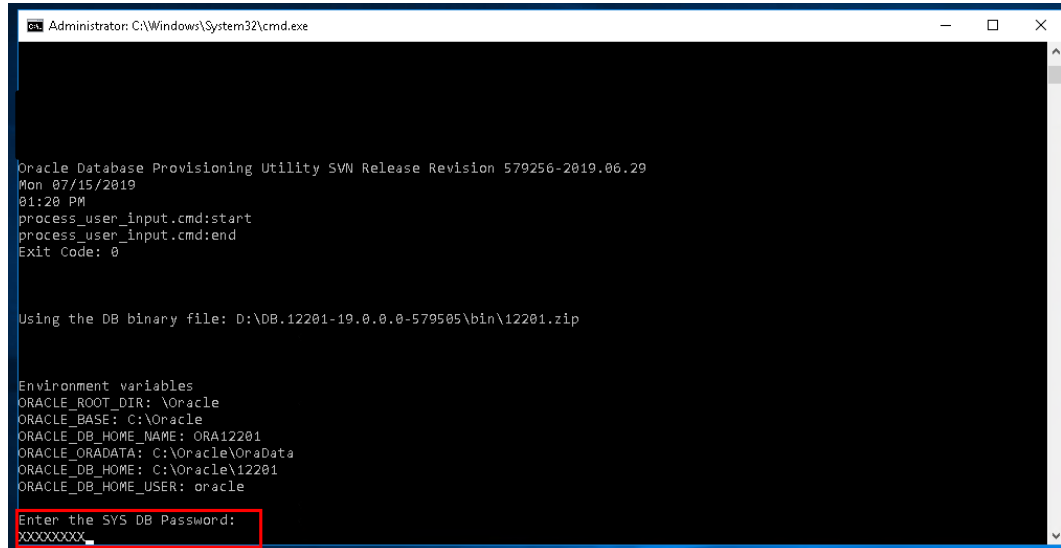


```
Config - Notepad
File Edit Format View Help
#
# Use # to comment out a line
#
# Drive letter where to execute the installations for Oracle Home
#
# Example: D
INSTALL_ON_DRIVE_LETTER=C
#
# Drive letter where to place the
#
# - Redo Log B
# - Control File 1
#
# Example: D
PLACE_ON_DRIVE_LETTER_REDO_LOG_B_CONTROL_FILE_1=C
#
# Drive letter where to place the
#
# - Redo Log A
# - Control File 2
#
# Example: E
PLACE_ON_DRIVE_LETTER_REDO_LOG_A_CONTROL_FILE_2=C
#
# Drive letter where to place the Data Files
#
# - System
# - Tools
# - Undo
```



4. Enter the new SYS password for the Database when prompted and press the **Enter** key

**Figure 2 SYS Password entry for new DB**



```
Administrator: C:\Windows\System32\cmd.exe

Oracle Database Provisioning Utility SWN Release Revision 579256-2019.06.29
Mon 07/15/2019
01:20 PM
process_user_input.cmd:start
process_user_input.cmd:end
Exit Code: 0

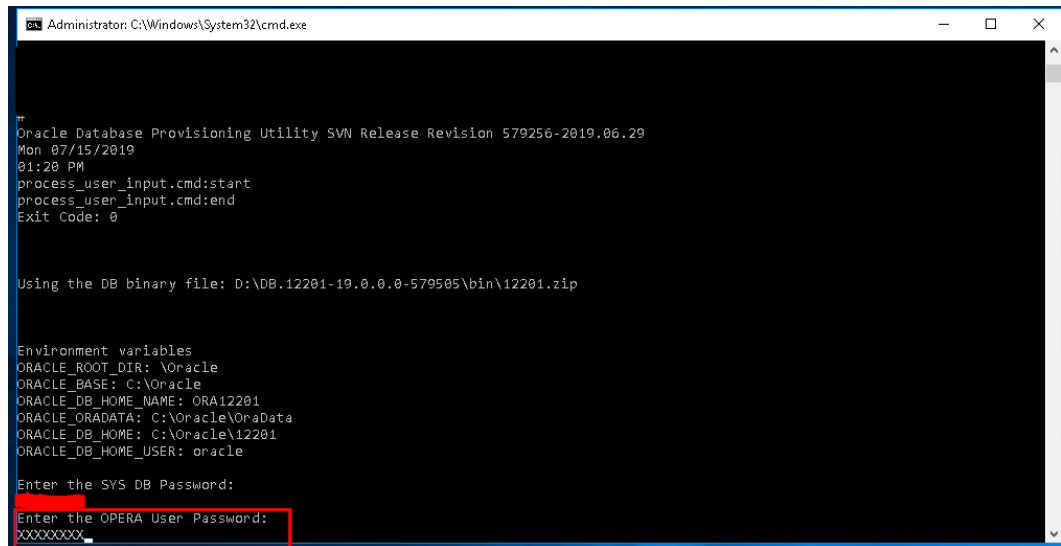
Using the DB binary file: D:\DB.12201-19.0.0.0-579505\bin\12201.zip

Environment variables
ORACLE_ROOT_DIR: \Oracle
ORACLE_BASE: C:\Oracle
ORACLE_DB_HOME_NAME: ORA12201
ORACLE_ORADATA: C:\Oracle\OraData
ORACLE_DB_HOME: C:\Oracle\12201
ORACLE_DB_HOME_USER: oracle

Enter the SYS DB Password:
XXXXXXXX
```

5. Enter OPERA user password when prompted

**Figure 4 OPERA user Password Prompt**



```
Administrator: C:\Windows\System32\cmd.exe

Oracle Database Provisioning Utility SWN Release Revision 579256-2019.06.29
Mon 07/15/2019
01:20 PM
process_user_input.cmd:start
process_user_input.cmd:end
Exit Code: 0

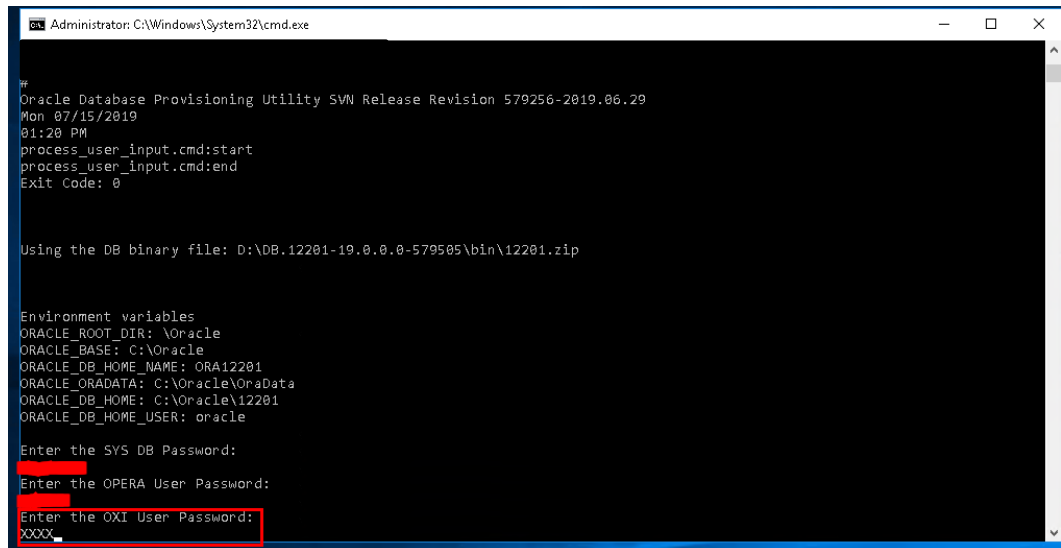
Using the DB binary file: D:\DB.12201-19.0.0.0-579505\bin\12201.zip

Environment variables
ORACLE_ROOT_DIR: \Oracle
ORACLE_BASE: C:\Oracle
ORACLE_DB_HOME_NAME: ORA12201
ORACLE_ORADATA: C:\Oracle\OraData
ORACLE_DB_HOME: C:\Oracle\12201
ORACLE_DB_HOME_USER: oracle

Enter the SYS DB Password:
Enter the OPERA User Password:
XXXXXXXX
```

6. Enter the OXI user password.

**Figure 5 OXI user Password Prompt**



```
Administrator: C:\Windows\System32\cmd.exe
#
Oracle Database Provisioning Utility SWN Release Revision 579256-2019.06.29
Mon 07/15/2019
01:20 PM
process_user_input.cmd:start
process_user_input.cmd:end
Exit Code: 0

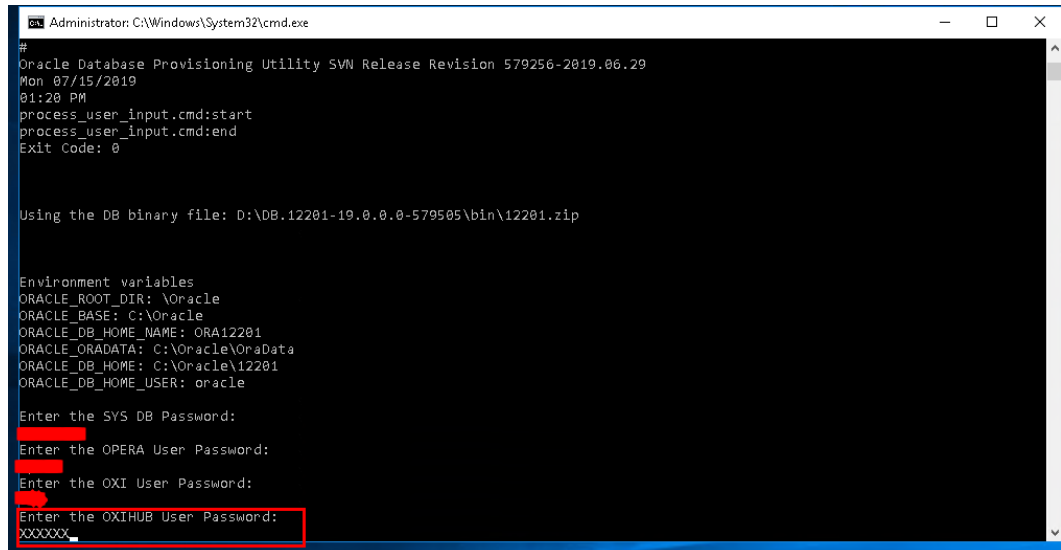
Using the DB binary file: D:\DB.12201-19.0.0-579505\bin\12201.zip

Environment variables
ORACLE_ROOT_DIR: \Oracle
ORACLE_BASE: C:\Oracle
ORACLE_DB_HOME_NAME: ORA12201
ORACLE_ORADATA: C:\Oracle\OraData
ORACLE_DB_HOME: C:\Oracle\12201
ORACLE_DB_HOME_USER: oracle

Enter the SYS DB Password:
Enter the OPERA User Password:
Enter the OXI User Password:
XXXX
```

7. Enter the OXIHUB user password.

**Figure 5 OXIHUB user Password Prompt**



```
Administrator: C:\Windows\System32\cmd.exe
#
Oracle Database Provisioning Utility SWN Release Revision 579256-2019.06.29
Mon 07/15/2019
01:20 PM
process_user_input.cmd:start
process_user_input.cmd:end
Exit Code: 0

Using the DB binary file: D:\DB.12201-19.0.0-579505\bin\12201.zip

Environment variables
ORACLE_ROOT_DIR: \Oracle
ORACLE_BASE: C:\Oracle
ORACLE_DB_HOME_NAME: ORA12201
ORACLE_ORADATA: C:\Oracle\OraData
ORACLE_DB_HOME: C:\Oracle\12201
ORACLE_DB_HOME_USER: oracle

Enter the SYS DB Password:
Enter the OPERA User Password:
Enter the OXI User Password:
Enter the OXIHUB User Password:
XXXXXX
```

8. Wait for the utility to continue to install the 12c database.

```

Infating by 7-zip
7-Zip (a) 19.00 (x86) : Copyright (c) 1999-2018 Igor Pavlov : 2019-02-21

Scanning the drive for archives:
1 file, 3427808694 bytes (3270 MiB)

Extracting archive: D:\DB.12201-19.0.0-579505\bin\12201.zip
--
Path = D:\DB.12201-19.0.0-579505\bin\12201.zip
Type = zip
Physical Size = 3427808694

41% 16243 - 12201\inventory\backup\2019-05-10_10-45-27AM\Scripts\ext\bin\oraoci12.dll_
    
```

```

Administrator: C:\Windows\System32\cmd.exe

ORACLE_ROOT_DIR: \Oracle
ORACLE_BASE: C:\Oracle
ORACLE_DB_HOME_NAME: ORA12201
ORACLE_ORADATA: C:\Oracle\OraData
ORACLE_DB_HOME: C:\Oracle\12201
ORACLE_DB_HOME_USER: oracle

Will utilize 7-zip for extracting the ZIP file

Kindly wait ...
01:49 PM
Inflating by 7-zip: Exit Code: 0
01:53 PM
Inflating by 7-zip the Control File 1: Exit Code: 0
01:54 PM
Inflating by 7-zip the Control File 2: Exit Code: 0
01:54 PM
Inflating by 7-zip the System, Tools, Undo, and Temp Seg Data Files: Exit Code: 0
01:55 PM
Inflating by 7-zip the Name Data, OXI Data, Quick Data, Rate Data, and Reservation Data, Data Files: Exit Code: 0
01:55 PM
Inflating by 7-zip the Financial Data, Log Data, and OPERA Data, Data Files: Exit Code: 0
01:56 PM
Inflating by 7-zip the Financial Index, Log Index, and OPERA Index Data Files: Exit Code: 0
01:56 PM
Inflating by 7-zip the Name Index, OXI Index, Quick Index, Rate Index, and Reservation Index Data Files: Exit Code: 0
01:56 PM
1 file(s) copied.
    
```

<pre> Administrator: C:\Windows\System32\cmd.exe  Will utilize 7-zip for extracting the ZIP file  Kindly wait ... 01:49 PM Inflating by 7-zip: Exit Code: 0 01:53 PM Inflating by 7-zip the Control File 1: Exit Code: 0 01:54 PM Inflating by 7-zip the Control File 2: Exit Code: 0 01:54 PM Inflating by 7-zip the System, Tools, Undo, and Temp Seg Data Files: Exit Code: 0 01:55 PM Inflating by 7-zip the Name Data, OXI Data, Quick Data, Rate Data, and Reservation Data, Data Files: Exit Code: 0 01:55 PM Inflating by 7-zip the Financial Data, Log Data, and OPERA Data, Data Files: Exit Code: 0 01:56 PM Inflating by 7-zip the Financial Index, Log Index, and OPERA Index Data Files: Exit Code: 0 01:56 PM Inflating by 7-zip the Name Index, OXI Index, Quick Index, Rate Index, and Reservation Index Data Files: Exit Code: 0 01:56 PM 1 file(s) copied.  Installing Oracle Database Server version 12.2.0.1 Kindly wait ...     </pre>	<pre> Oracle Universal Installer  &lt;dependentAssembly xmlns="urn:schemas-microsoft-com:asm.v1"&gt;assemblyIdentity name="Oracle.DataAccess" publicKeyToken="899403f429c47342" culture="neutral" /&gt;&lt;codeBase version="4.122.1.0" href="C:\Oracle\12201\OOD.NET\bin\4\Oracle.DataAccess.dll" /&gt;&lt;publisherPolicy apply="no" /&gt;&lt;bindingRedirect oldVersion="4.121.0.0-4.121.9999.9999" newVersion="4.122.1.0" /&gt;&lt;/dependentAssembly&gt;  INFO: The following section has been added to extproc.exe.config . &lt;dependentAssembly xmlns="urn:schemas-microsoft-com:asm.v1"&gt;assemblyIdentity name="Oracle.DataAccess" publicKeyToken="899403f429c47342" culture="neutral" /&gt;&lt;codeBase version="4.122.1.0" href="C:\Oracle\12201\OOD.NET\bin\4\Oracle.DataAccess.dll" /&gt;&lt;publisherPolicy apply="no" /&gt;&lt;bindingRedirect oldVersion="4.122.0.0-4.122.1.0" newVersion="4.122.1.0" /&gt;&lt;/dependentAssembly&gt;  INFO: The following section has been added to extproc.exe.config . &lt;dependentAssembly xmlns="urn:schemas-microsoft-com:asm.v1"&gt;assemblyIdentity name="Oracle.Database.Extensions" publicKeyToken="899403f429c47342" culture="neutral" /&gt;&lt;codeBase version="4.122.1.0" href="C:\Oracle\12201\ODE.NET\bin\4\Oracle.Database.Extensions.dll" /&gt;&lt;publisherPolicy apply="no" /&gt;&lt;bindingRedirect oldVersion="4.112.0.0-4.112.9999.9999" newVersion="4.122.1.0" /&gt;&lt;/dependentAssembly&gt;  INFO: The following section has been added to extproc.exe.config . &lt;dependentAssembly xmlns="urn:schemas-microsoft-com:asm.v1"&gt;assemblyIdentity name="Oracle.Database.Extensions" publicKeyToken="899403f429c47342" culture="neutral" /&gt;&lt;codeBase version="4.122.1.0" href="C:\Oracle\12201\ODE.NET\bin\4\Oracle.Database.Extensions.dll" /&gt;&lt;publisherPolicy apply="no" /&gt;&lt;bindingRedirect oldVersion="4.122.0.0-4.122.1.0" newVersion="4.122.1.0" /&gt;&lt;/dependentAssembly&gt;  100% Done. Setup successful Saving Inventory (Monday, July 15, 2019 2:06:03 PM EDT)     </pre>
--	---

```
Administrator: C:\Windows\System32\cmd.exe
Copyright (c) 1982, 2018, Oracle. All rights reserved.

Connected to an idle instance.

ORA-32006: UTL_FILE_DIR initialization parameter has been deprecated
ORACLE instance started.

Total System Global Area 5251268608 bytes
Fixed Size 8758128 bytes
Variable Size 1241517200 bytes
Database Buffers 3992977408 bytes
Redo Buffers 8015872 bytes

System altered.

Control file created.

Database altered.

Tablespace altered.

Tablespace altered.

File created.

Database closed.
Database dismounted.
```

9. After execution is completed successfully, the message below will be displayed. Press Any Key to close the window and complete the installation

```
Administrator: C:\Windows\System32\cmd.exe
Copyright (c) 1982, 2018, Oracle. All rights reserved.

Last Successful login time: Fri Jun 07 2019 15:27:32 -04:00

Connected to:
Oracle Database 12c Enterprise Edition Release 12.2.0.1.0 - 64bit Production
SQL>
Disconnected from Oracle Database 12c Enterprise Edition Release 12.2.0.1.0 - 64bit Production

Oracle Database Server version 12201 was installed and started SUCCESSFULLY

Create_DB_Server.cmd:end
Exit Code: 0
02:19 PM

Hit Ctrl-BREAK or Ctrl-C now
Later, answer N, for the question Terminate batch job (Y/N)
```