

# Manual Creation of database in windows with oracle 9i (Step-by-Step)

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(Name of the database=db18)

(Note: all commands are in bold letters)

1. Open the command prompt and execute the command **sqlplus/nolog**
2. Connect to the default database as sysdba in sql prompt **SQL>conn sys/oracle as sysdba** you can see the name of that database by executing **select name from v\$database;**
3. Now open another command prompt and set oracle SID as **set oracle\_sid=db18**
4. Start a windows service with internal password oradim **-new -sid <database name> intpwd <password>** is the syntax. In this case I use ceylonlinux\_suranga as password to create db18 service like, **oradim -new -sid db18 -intpwd ceylonlinux\_suranga**
5. Create a directory called db18. In my case I created it in d:\ drive (Note: all my parameter files and .sql file that are going to discuss following are based on my location, you can change the location according to yours)
6. Here is my initdb18.ora that I saved it in d:\db18 folder. This is the static parameter file that I used in my database creation (Note: If you are creating a database with a different name and in a different location make sure to edit the relevant fields in this file)

```
#####  
###  
# Copyright (c) 1991, 2001, 2002 by Oracle Corporation  
#####  
###  
  
#####  
# Cache and I/O  
#####  
db_block_size=8192  
db_cache_size=25165824  
db_file_multiblock_read_count=16  
  
#####  
# Cursors and Library Cache  
#####  
open_cursors=300  
  
#####  
# Database Identification  
#####  
db_domain=""  
db_name=db18  
  
#####  
# Diagnostics and Statistics  
#####
```

```
background_dump_dest=d:\db18
core_dump_dest=d:\db18
timed_statistics=TRUE
user_dump_dest=d:\db18
```

```
#####
# File Configuration
#####
control_files=("d:\db18\control01.ctl", "d:\db18\CONTROL02.ctl",
"d:\db18\CONTROL03.ctl")
```

```
#####
# Instance Identification
#####
instance_name=db18
```

```
#####
# Job Queues
#####
job_queue_processes=10
```

```
#####
# MTS
#####
dispatchers="(PROTOCOL=TCP) (SERVICE=orcl1XDB)"
```

```
#####
# Miscellaneous
#####
aq_tm_processes=1
compatible=9.2.0.0.0
```

```
#####
# Optimizer
#####
hash_join_enabled=TRUE
query_rewrite_enabled=FALSE
star_transformation_enabled=FALSE
```

```
#####
# Pools
#####
java_pool_size=33554432
large_pool_size=8388608
shared_pool_size=50331648
```

```
#####
# Processes and Sessions
#####
processes=150
```

```
#####
# Redo Log and Recovery
#####
fast_start_mttr_target=300

#####
# Security and Auditing
#####
remote_login_passwordfile=EXCLUSIVE

#####
# Sort, Hash Joins, Bitmap Indexes
#####
pga_aggregate_target=25165824
sort_area_size=524288

#####
# System Managed Undo and Rollback Segments
#####
undo_management=AUTO
undo_retention=1
undo_tablespace=UNDOTBS
```

7. Now type following in your current command prompt **sqlplus/nolog** and in sql prompt type **conn sys/ceylonlinux\_suranga as sysdba** then you should see that you are connected to an idle instance
8. Now start the instance in nomount mode as, **startup nomount pfile=d:\db18\initdb18.ora** why are you starting the database in nomount mode ?  
The reason is still we are not created control files. "An instance would be started in the NOMOUNT stage only during database creation or the re-creation of control files.
9. This step is to create the database using dbca.sql script that I saved in d:\db18 folder appears follows

```
CREATE DATABASE db18
LOGFILE GROUP 1('d:\db18\redo01.log') SIZE 100M,
          GROUP 2('d:\db18\redo02.log') SIZE 100M,
          GROUP 3('d:\db18\redo03.log') SIZE 100M
MAXLOGFILES 5
MAXLOGMEMBERS 5
MAXLOGHISTORY 1
MAXDATAFILES 100
MAXINSTANCES 1
CHARACTER SET US7ASCII
NATIONAL CHARACTER SET AL16UTF16
DATAFILE 'd:\db18\system01.dbf' SIZE 325M
UNDO TABLESPACE UNDOTBS
DATAFILE 'd:\db18\UNDOTBS.dbf'
SIZE 200M REUSE AUTOEXTEND ON NEXT 5120K MAXSIZE UNLIMITED;
```

10. Run the script in the SQL prompt as this, **SQL>@d:\db18\dbca.sql** once you run this script you can see the control files, redo log file, Alert log file, .dbf files and .trc (Background Trace files & User Trace files) files are created in d:\db18 folder.
11. Now you can shutdown the database using **shutdown** command.
12. Once the database shutdown reboot your PC
13. Connect again as sysdba to default database **sqlplus/nolog**, **SQL>conn sys/oracle as sysdba** check which database you are in.
14. If it is not db18 set oracle sid as we did before in another command prompt as **set oracle\_sid=db18**
15. If db18 windows service is not started start it manually or execute this **oradim – STARTUP –sid db18 –intpwd ceylonlinux\_suranga**
16. Now connect to the database **sqlplus “sys/ceylonlinux\_suranga as sysdba”**
17. **startup pfile=d:\db18\initdb18.ora** (Note: Here we don't need to start the database in nomount mode because we have already created control files)
18. Execute catalog.sql **SQL>@d:\ORANT\rdbms\admin\catalog.sql**
19. Execute catproc.sql **SQL>@d:\ORANT\rdbms\admin\catproc.sql**

Note: if the password file is corrupted or if you get an error in authentication you can recreate the password file as follows, but make sure to delete the existing password file.

**C:>orapwd file=d:\ORANT\database\PWDdb18.ORA password=ceylonlinux\_suranga**

**This is what you need to do every time when you start your database.....**

C:\Documents and Settings\qq>**set oracle\_sid=db18**

C:\Documents and Settings\qq>**oradim -STARTUP -sid db18 -intpwd ceylonlinux\_suranga**

**ORA-01078: failure in processing system parameters**

**LRM-00109: could not open parameter file 'D:\ORANT\DATABASE\INITDB18.ORA'**

C:\Documents and Settings\qq>**sqlplus "sys/ceylonlinux\_suranga as sysdba"**

**SQL\*Plus: Release 9.2.0.1.0 - Production on Mon Dec 6 21:22:02 2004**

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**Connected to an idle instance.**

**SQL> startup pfile=d:\db18\initdb18.ora**  
**ORACLE instance started.**

**Total System Global Area 135338868 bytes**

**Fixed Size 453492 bytes**

**Variable Size 109051904 bytes**

**Database Buffers 25165824 bytes**

**Redo Buffers**            **667648 bytes**  
**Database mounted.**  
**Database opened.**  
**SQL>**

**Now you need to edit the following files**

- D:\ORANT\network\admin\tnsnames.ora
- D:\ORANT\network\admin\listener.ora

Here are the files that I used...you can change those accordingly

```
# TNSNAMES.ORA Network Configuration File: D:\ORANT\network\admin\tnsnames.ora  
# Generated by Oracle configuration tools.
```

```
SURANGA =  
  (DESCRIPTION =  
    (ADDRESS_LIST =  
      (ADDRESS = (PROTOCOL = TCP)(HOST = NEWP4)(PORT = 1521))  
    )  
    (CONNECT_DATA =  
      (SERVER = DEDICATED)  
      (SERVICE_NAME = suranga)  
    )  
  )  
)
```

```
db18 =  
  (DESCRIPTION =  
    (ADDRESS_LIST =  
      (ADDRESS = (PROTOCOL = TCP)(HOST = NEWP4)(PORT = 1521))  
    )  
    (CONNECT_DATA =  
      (SERVER = DEDICATED)  
      (SERVICE_NAME = db18)  
    )  
  )  
)
```

```
INST1_HTTP =  
  (DESCRIPTION =  
    (ADDRESS_LIST =  
      (ADDRESS = (PROTOCOL = TCP)(HOST = NEWP4)(PORT = 1521))  
    )  
    (CONNECT_DATA =  
      (SERVER = SHARED)  
      (SERVICE_NAME = MODOSE)  
      (PRESENTATION = http://HRService)  
    )  
  )  
)
```

```

EXTPROC_CONNECTION_DATA =
  (DESCRIPTION =
    (ADDRESS_LIST =
      (ADDRESS = (PROTOCOL = IPC)(KEY = EXTPROC0))
    )
    (CONNECT_DATA =
      (SID = PLSExtProc)
      (PRESENTATION = RO)
    )
  )

```

```

# LISTENER.ORA Network Configuration File: D:\ORANT\network\admin\listener.ora
# Generated by Oracle configuration tools.

```

```

LISTENER =
  (DESCRIPTION_LIST =
    (DESCRIPTION =
      (ADDRESS_LIST =
        (ADDRESS = (PROTOCOL = TCP)(HOST = NEWP4)(PORT = 1521))
      )
    )
  )

```

```

SID_LIST_LISTENER =
  (SID_LIST =
    (SID_DESC =
      (SID_NAME = PLSExtProc)
      (ORACLE_HOME = D:\ORANT)
      (PROGRAM = extproc)
    )
    (SID_DESC =
      (GLOBAL_DBNAME = suranga)
      (ORACLE_HOME = D:\ORANT)
      (SID_NAME = suranga)
    )
    (SID_DESC =
      (GLOBAL_DBNAME = db18)
      (ORACLE_HOME = D:\db18)
      (SID_NAME = db18)
    )
  )

```

Now start OEM console and click “Add Database To Tree” under “Navigator” menu item. From the window select second radio button saying “Add selected databases from your local tnsnames.ora file”

From there select db18. Once you select it you should see OEM console as follows

Oracle Enterprise Manager Console, Standalone

File Navigator Object Tools Configuration Help

ORACLE  
Enterprise Manager

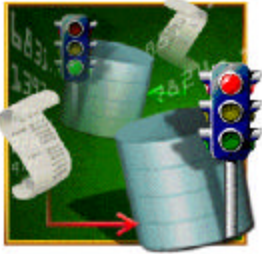
Network

- Databases
  - DB10 - SYS AS SYSDBA
    - Instance
    - Schemas
    - Security
    - Storage
    - Distributed
    - Warehouse
  - SURAN04

### Instance Management

Use Instance Management to:

- Start up and shut down a database.
- View and edit the values of instance parameters.
- Tune your database resources with the help of [Resource Advisers](#).
- Manage users' sessions, and view currently running SQL and its explain plan.
- Monitor [locks](#), [sessions](#) consuming the highest amounts of resources, and [database health](#) (if the Diagnostics Pack is installed).
- Monitor long-running operations.
- Control processing resources via [Resource Plans](#).
- Perform [backup, recovery and maintenance](#) operations on the database files.



To learn more about Instance Management, click the [Quick Tour](#) button.

Quick Tour

Start | C:\WINDOWS\... | C:\WINDOWS\... | edlin | Manual\_Creat... | db10 | Oracle Enter... | instances.ora... | listener.ora - N... | 9:47 PM