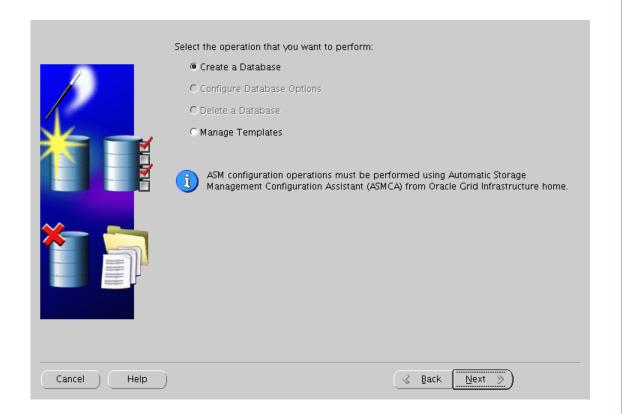
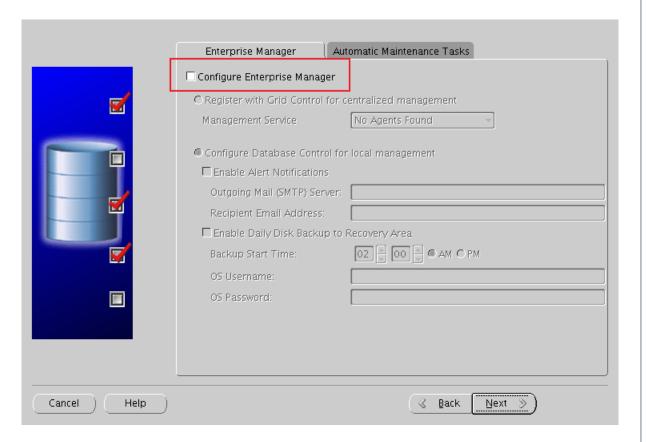
# 数据库静默安装



# 静默安装

```
[GENERAL]
         : RESPONSEFILE VERSION
 # Datatype : String
# Description : Version of the database to create
# Default value : None
 # Mandatory : Yes
RESPONSEFILE VERSION = "11.2.0"
             : OPERATION TYPE
 # Datatype : String
# Default value : None
OPERATION TYPE = "createDatabase
 --------*** End of GENERAL section ***---------
  CREATEDATABASE section is used when OPERATION TYPE is defined as "createDatabase".
[CREATEDATABASE]
```

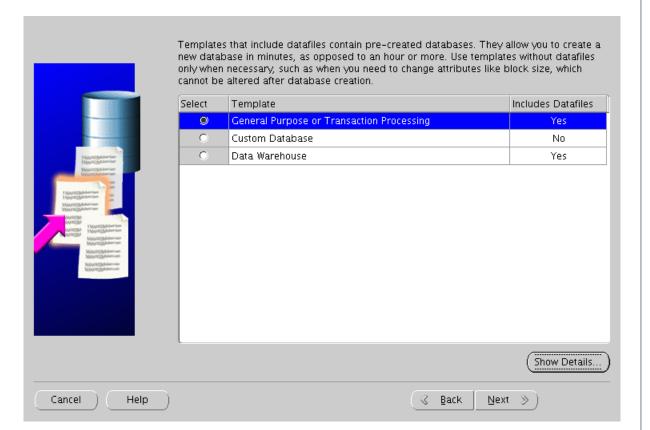
# 操作类型
RESPONSEFILE\_VERSION = "11.2.0"
OPERATION\_TYPE = "createDatabase"
# 默认值



# 静默安装

```
# Description : Password for SYSTEM user
# Valid values : Check Oracle11g Administrator's Guide
# Default value : None
# Mandatory : Yes
SYSTEMPASSWORD = "oracle"
# Name : EMCONFIGURATION
# Datatype : String
# Description : Enterprise Manager Configuration Type
# Valid values : CENTRAL|LOCAL|ALL|NOBACKUP|NOEMAIL|NONE
# Default value : NONE
# Mandatory : No
 MCONFIGURATION = "NONE
             : DISABLESECURITYCONFIGURATION
# Name
# Datatype : String
# Description : Database Security Settings
# Valid values : ALL|NONE|AUDIT|PASSWORD PROFILE
# Default value : NONE
# Mandatory : No
#DISABLESECURITYCONFIGURATION = "NONE"
-- INSERT --
                                                                        210,1
                                                                                     19%
```

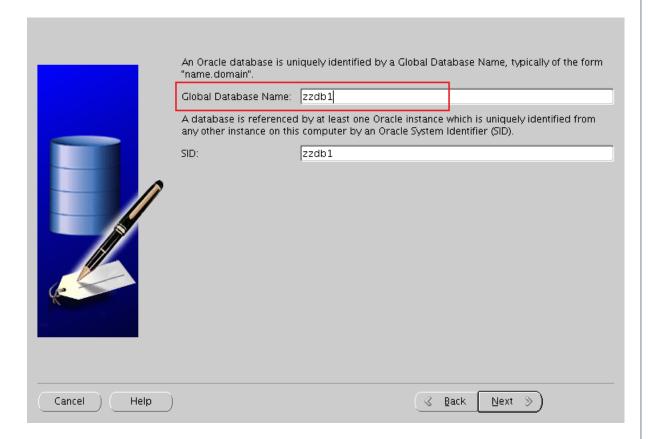
# #关闭EM



# 静默安装

```
# Name
              : NODELIST
# Datatype
              : String
# Description : Comma-separated list of cluster nodes
# Valid values : Cluster node names
# Default value : None
# Mandatory : No (Yes for RAC database-centric database )
#NODELIST=
              : TEMPLATENAME
# Datatype : String
# Description : Name of the template
# Valid values : Template file name
# Default value : None
TEMPLATENAME = "General Purpose.db
# Name
           : OBFUSCATEDPASSWORDS
# Datatype : Boolean
# Valid values : TRUE\FALSE
# Default value : FALSE
# Mandatory : No
                                                                         169,12
                                                                                      14%
```

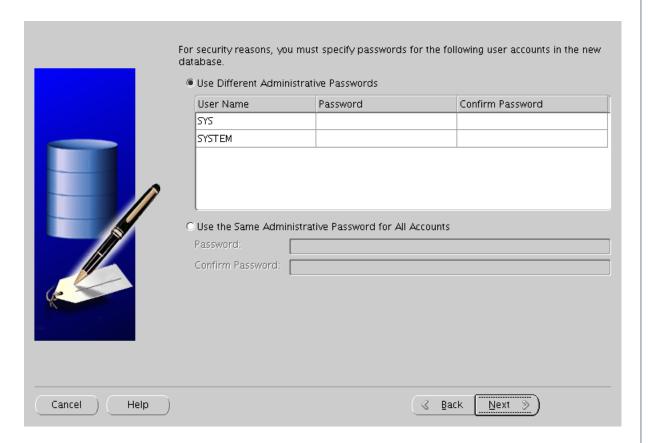
# 模板类型: 专有模式 TEMPLATENAME = "General\_Purpose.dbc" # 默认值



# 静默安装

```
: GDBNAME
Datatype
               : Global database name of the database
 Valid values : <db name>.<db domain> - when database domain isn't NULL
                <db name>
                                    - when database domain is NULL
GDBNAME =
 Mandatory : No [Required when a new serverpool need to be created]
# Datatype : String
 Description : System identifier (SID) of the database
 Valid values : Check Oraclellg Administrator's Guide
# Default value : <db name> specified in GDBNAME
SID = "
# Datatype : String
# Description : Comma-separated list of cluster nodes
 Valid values : Cluster node names
# Mandatory : No (Yes for RAC database-centric database )
         : TEMPLATENAME
```

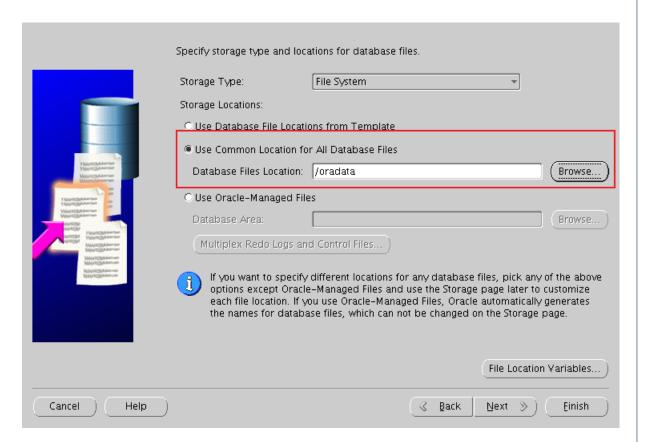
# 数据库名与SID GDBNAME="zzdb1" SID="zzdb1" # 自定义



# 静默安装

```
#OBFUSCATEDPASSWORDS = FALSE
              : SYSPASSWORD
Valid values : Check Oracle11g Administrator's Guide
 Mandatory : Yes
SYSPASSWORD =
              : SYSTEMPASSWORD
Description : Password for SYSTEM user
Valid values : Check Oracle11g Administrator's Guide
SYSTEMPASSWORD =
              : EMCONFIGURATION
 Name
Description : Enterprise Manager Configuration Type
-- INSERT --
                                                                           205,1
                                                                                        17%
```

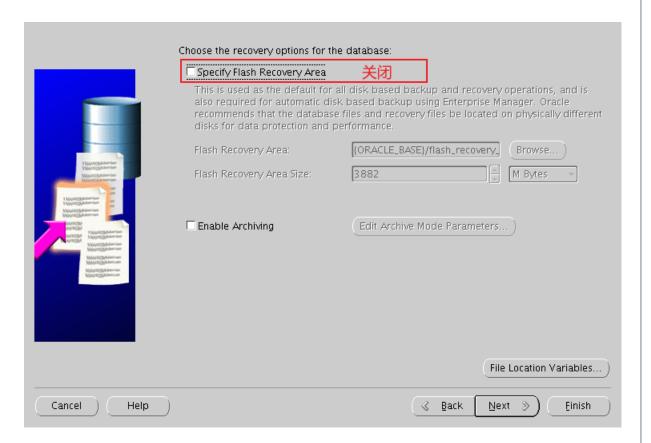
```
# 数据库管理员密码
SYSPASSWORD="oracle"
SYSTEMPASSWORD="oracle"
# 自定义
```



# 静默安装

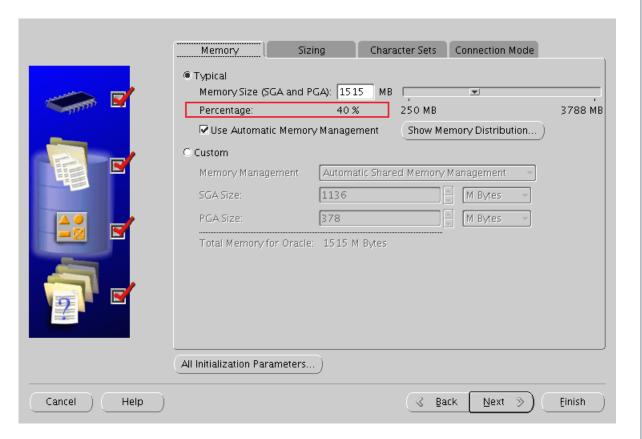
```
#DATAFILEJARLOCATION =
               : DATAFILEDESTINATION
 Datatype
               : String
# Description : Location of the data file's
# Valid values : Directory for all the database files
# Default value : $ORACLE BASE/oradata
# Mandatory : No
DATAFILEDESTINATION = /oradata
 * Name
               : RECOVERYAREADESTINATION
# Datatype
               : String
 Description : Location of the data file's
# Valid values : Recovery Area location
# Default value : $ORACLE BASE/flash recovery area
 Mandatory : No
#RECOVERYAREADESTINATION=
# Name
               : STORAGETYPE
# Datatype
               : String
# Description : Specifies the storage on which the database is to be created
                                                                           357,31
-- INSERT --
```

# 数据文件目的地, 物理存储地址 DATAFILEDESTINATION = /oradata # 自定义



# 静默安装

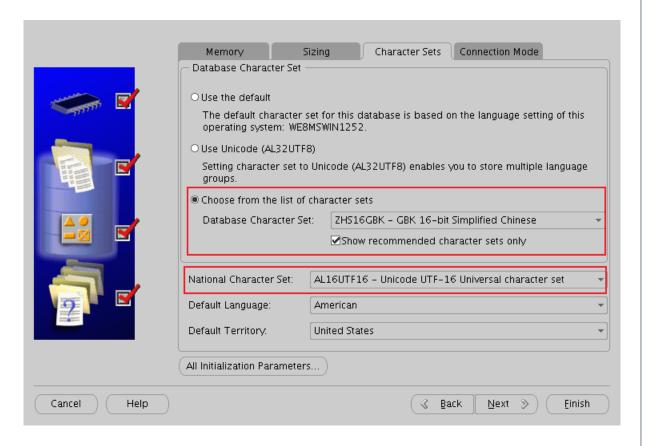
```
# Default value : $ORACLE BASE/oradata
 # Mandatory : No
DATAFILEDESTINATION = /oradata
 Name
             : RECOVERYAREADESTINATION
 Datatype : String
 Description : Location of the data file's
 Valid values : Recovery Area location
# Default value : $ORACLE BASE/flash recovery area
 Mandatory : No
 RECOVERYAREADESTINATION=
# Name
              : STORAGETYPE
# Datatype : String
# Description : Specifies the storage on which the database is to be created
# Valid values : FS (CFS for RAC), ASM
# Default value : FS
# Mandatory : No
#STORAGETYPE=FS
# Name
              : DISKGROUPNAME
```



# 静默安装

```
Default value : None
 # Mandatory
               : NO
MEMORYPERCENTAGE =
               : DATABASETYPE
# Datatype
# Description : used for memory distribution when MEMORYPERCENTAGE specified
# Valid values : MULTIPURPOSE|DATA WAREHOUSING|OLTP
# Default value : MULTIPURPOSE
# Mandatory : NO
DATABASETYPE = "MULTIPURPO
               : AUTOMATICMEMORYMANAGEMENT
               : Boolean
# Datatype
# Description : flag to indicate Automatic Memory Management is used
# Valid values : TRUE/FALSE
# Default value : TRUE
# Mandatory : NO
AUTOMATICMEMORYMANAGEMENT =
              : TOTALMEMORY
# Name
# Datatype
               : String
```

# 内存分配
MEMORYPERCENTAGE = "40"
DATABASETYPE = "MULTIPURPOSE"
AUTOMATICMEMORYMANAGEMENT = "TRUE"
# 默认值



# 静默安装

```
: CHARACTERSET
# Datatype : String
# Description : Character set of the database
# Valid values : Check Oracle11g National Language Support Guide
# Default value : "US7ASCII"
# Mandatory : NO
CHARACTERSET = "Z
# Name
              : NATIONALCHARACTERSET
# Datatype : String
# Description : National Character set of the database
# Default value : "AL16UTF16"
# Mandatory : No
NATIONALCHARACTERSET= "AL16UTF
              : REGISTERWITHDIRSERVICE
# Name
# Datatype : Boolean
# Description : Specifies whether to register with Directory Service.
# Valid values : TRUE \ FALSE
# Default value : FALSE
# Mandatory : No
```

```
# 设置字符集
CHARACTERSET = "ZHS16GBK"
NATIONALCHARACTERSET= "AL16UTF16"
# 自定义
```

dbca -silent -createdatabase -responseFile /oracle/dbca.rsp

```
drwxr-xr-x. 3 oracle oinstall 4096 Nov 24 12:13 product
drwxr-xr-x. 3 oracle oinstall 4096 Nov 24 11:42 soft
foracle@node1 oracle1$ vim dbca.rsp
[oracle@node1 oracle]$ dbca -silent -createdatabase -responseFile /oracle/dbca.rsp
Copying database files
1% complete
3% complete
11% complete
18% complete
26% complete
37% complete
Creating and starting Oracle instance
40% complete
45% complete
50% complete
55% complete
56% complete
60% complete
62% complete
Completing Database Creation
66% complete
70% complete
73% complete
85% complete
96% complete
100% complete
Look at the log file "/oracle/cfgtoollogs/dbca/zzdb1/zzdb1.log" for further details.
[oracle@node1 oracle]$
```

```
Disconnected from Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
[oracle@node1 oracle]$ vim .bash_profile
[oracle@node1 oracle]$ cd ~
[oracle@node1 ~]$ vim .bash profile
[oracle@node1 ~]$ sourcr .bash profile
bash: sourcr: command not found...
[oracle@node1 ~]$ source .bash profile
[oracle@node1 ~]$ sqlplus / as sysdba
SQL*Plus: Release 11.2.0.1.0 Production on Tue Dec 7 16:00:28 2021
Copyright (c) 1982, 2009, Oracle. All rights reserved.
Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
SQL> show user
USER is "SYS"
SQL> select instance name, status from v$instance;
INSTANCE NAME STATUS
                OPEN
zzdb1
```

# 语句安装

```
#以oracle用户登录操作系统
su – oracle
```

```
# 设置环境变量 vi ~/.bash_profile
export ORACLE_BASE=/oracle
export ORACLE_HOME=$ORACLE_BASE/product/11.2.0/db_1
export ORACLE_SID=zzdb1
export ORACLE_HOSTNAME=node1
export ORACLE_UNQNAME=zzdb1
export PATH=ORACLE_HOME/bin:ORACLE_HOME/jdk/bin:$PATH
```

# 审计信息文件夹 mkdir -p /oracle/admin/zzdb1/adump

#存放一些登录信息和expdp、impdp的默认路径mkdir-p/oracle/admin/zzdb1/dpdump

# 初始化参数文件initSID mkdir -p /oracle/admin/zzdb1/pfile

mkdir -p /oracle/cfgtoollogs/dbca/zzdb1

mkdir -p /oradata/zzdb1/

```
#设置参数文件pfile
cat > $ORACLE_HOME/dbs/initzzdb1.ora <<!
*.audit_file_dest='/oracle/admin/zzdb1/adump'
*.audit trail='db'
*.compatible='11.2.0.0.0'
*.control_files='/oradata/zzdb1/control01.ctl'
*.db_block_size=8192
*.db domain="
*.db_name='zzdb1'
*.db_writer_processes=1
*.diagnostic_dest='/oracle'
*.dispatchers='(PROTOCOL=TCP) (SERVICE=zzdb1XDB)'
*.memory_target=838860800
*.open_cursors=300
*.processes=1500
*.remote_login_passwordfile='EXCLUSIVE'
*.sessions=1655
*.undo_tablespace='UNDOTBS'
```

- #数据库审计存放的目的文件夹
- \*.audit\_file\_dest='/oracle/admin/zzdb1/adump'
- #用于控制数据库审计
- \*.audit\_trail='db'
- none 禁用数据库审计,默认值
- os 启用数据库审计,并将数据库审计记录定向到操作系统审计记录
- db 启用数据库审计,并将数据库所有审计记录定向到数据库的SYS.AUD\$表
- db\_extended 启用数据库审计,并将数据库所有审计记录定向到数据库的SYS.AUD\$表。 另外,填充SYS.AUD\$表的SQLBIND 列和SQLTEXT CLOB 列。
- xml 启用数据库审计,并将所有记录写到XML格式的操作系统文件中。
- xml\_extended 启用数据库审计,输出审计记录的所有列,包括SqlText和SqlBind的值。

# 三个Oracle常用目录并说明作用

- 1、admin目录:记录oracle实例的配置,运行日志等文件
- 2、Cfgtoollogs目录:下面子目录分别存放当运行dbca,emca,netca等图形化配置程序时的log
- 3、Checkpoints目录: 存放检查点文件

# 建立密码文件 orapwd file=\$ORACLE\_HOME/dbs/orapwzzdb1 password=123456 entries=5 force=y

Oracle密码文件的作用主要是进行SYSDBA和SYSOPER权限的身份认证。 密码文件存放着被授予SYSDBA或SYSOPER权限的用户的用户名和密码。 它是一个加密的文件,用户不能修改这个文件,但是可以使用strings命令看到密码的HASH值。

sqlplus / as sysdba

SQL> startup nomount

```
# 创建数据库zzdb1
create database zzdb1
#设置sys与system的密码
user sys identified by oracle
user system identified by oracle
#设置redo组与成员
logfile group 1 ('/oradata/zzdb1/redo01a.log','/oradata/zzdb1/redo01b.log') size 8m blocksize 512,group 2
('/oradata/zzdb1/redo02a.log','/oradata/zzdb1/redo02b.log') size 8m blocksize 512,group 3
('/oradata/zzdb1/redo03a.log','/oradata/zzdb1/redo03b.log') size 8m blocksize 512
#设置log相关参数
maxlogfiles 16
maxlogmembers 3
maxloghistory 1
maxdatafiles 1000
#设置字符集
character set ZHS16GBK
NATIONAL CHARACTER SET AL16UTF16
#设置表空间本地管理
extent management local
```

# 设置系统表空间

SYSAUX DATAFILE '/oradata/zzdb1/sysaux01.dbf' size 300M

# 设置数据文件,如果已存在则自动覆盖

datafile '/oradata/zzdb1/system01.dbf' size 300m reuse

#设置用户表空间

default tablespace users datafile '/oradata/zzdb1/users01.dbf' size 500m reuse autoextend on maxsize unlimited

#设置临时表空间

default temporary tablespace tempts1 tempfile '/oradata/zzdb1/temp01.dbf' size 20m reuse

#设置回滚段

undo tablespace undotbs datafile '/oradata/zzdb1/undotbs01.dbf' size 200m reuse autoextend on maxsize unlimited;

```
# 数据库安装成功后自动开启数据库
SQL>select instance_name, status from v$instance
```

- # 创建字典
- #用户为sys
- #静态字典视图,如dba\_data\_files
- SQL>@?/rdbms/admin/catalog.sql
- #创建常用的PL/SQL程序包 dbms\_metadata包,并创建pupbld.sql。
- SQL>@?/rdbms/admin/catproc.sql
- #用户为system
- #限制用户在sqlplus中执行命令
- SQL>@?/sqlplus/admin/pupbld.sql