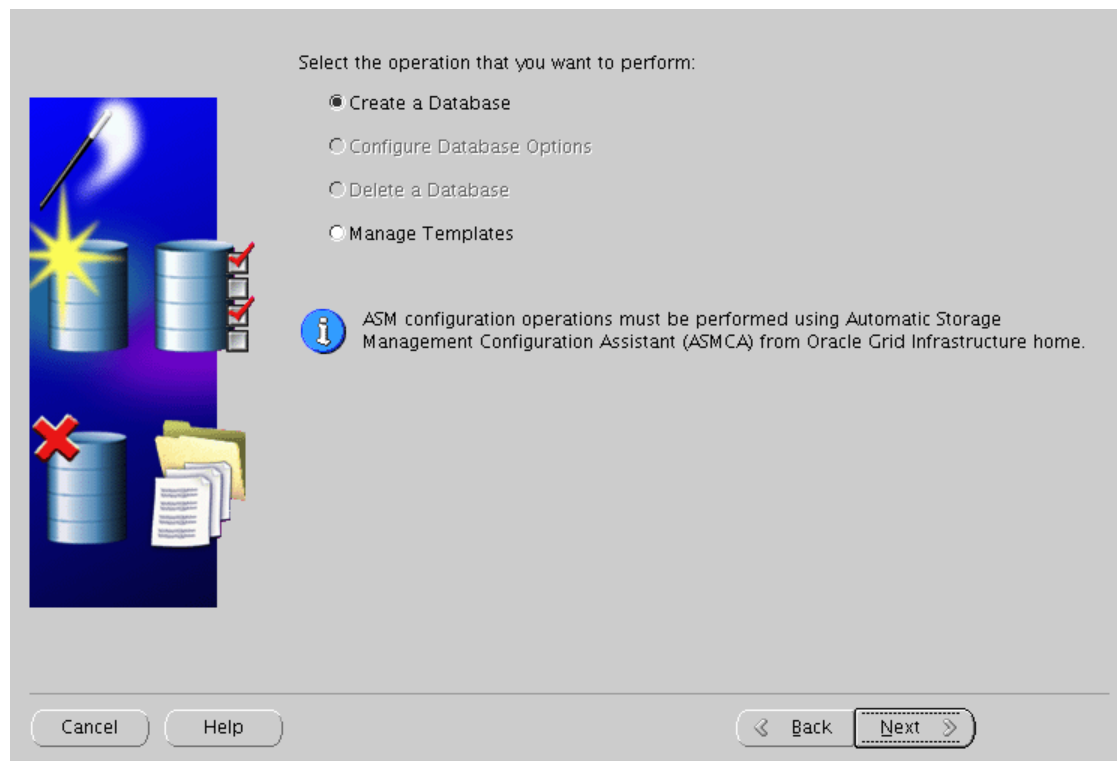


数据库静默安装



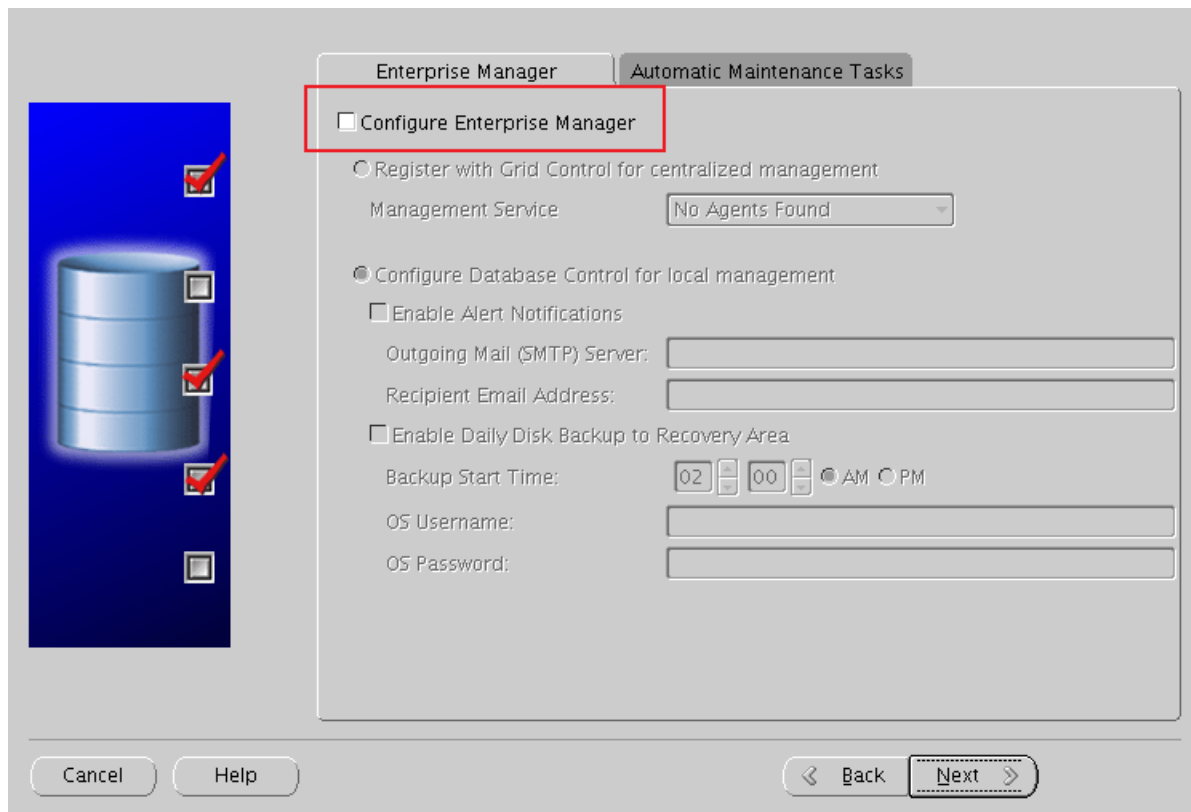
```
#-----
[GENERAL]
#-----
# Name       : RESPONSEFILE_VERSION
# Datatype   : String
# Description : Version of the database to create
# Valid values : "11.1.0"
# Default value : None
# Mandatory   : Yes
#-----
RESPONSEFILE_VERSION = "11.2.0"
#-----
# Name       : OPERATION_TYPE
# Datatype   : String
# Description : Type of operation
# Default value : None
# Mandatory   : Yes
#-----
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"

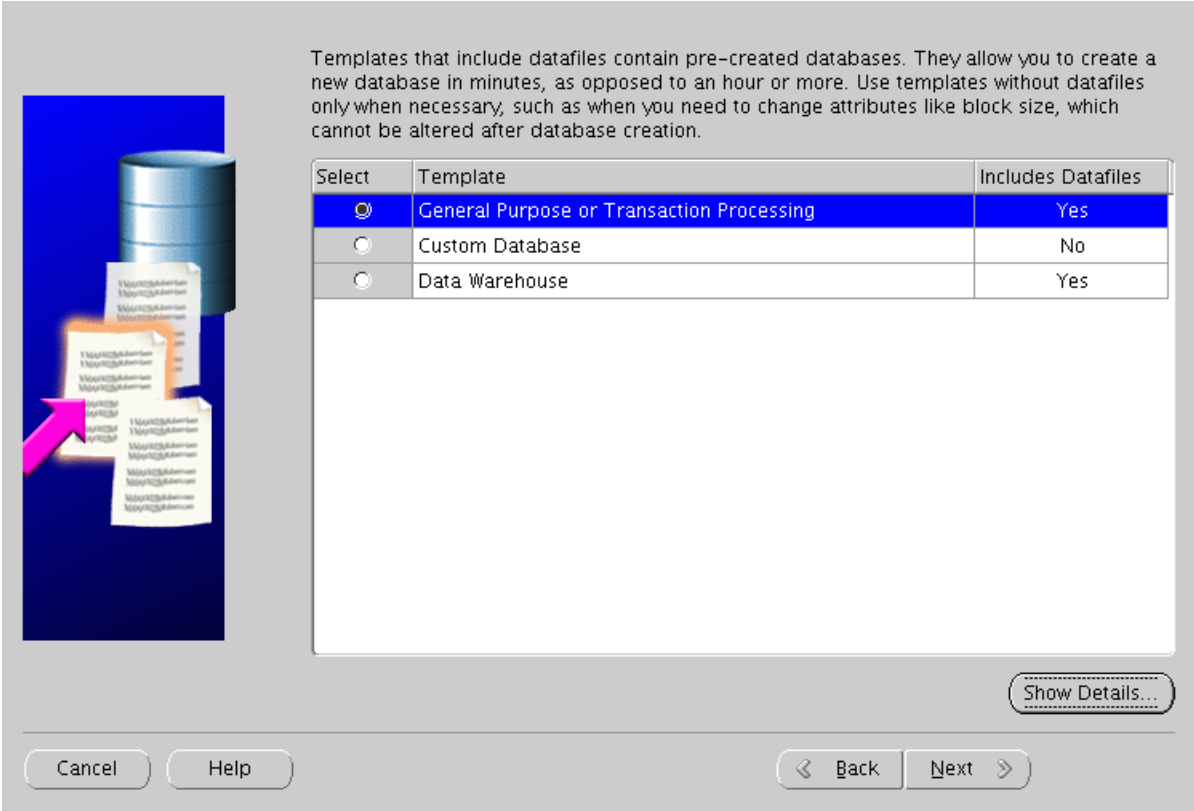
默认值



```
# 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
#-----
EMCONFIGURATION = "NONE"
#-----
# Name : DISABLESECURITYCONFIGURATION
# Datatype : String
# Description : Database Security Settings
# Valid values : ALL|NONE|AUDIT|PASSWORD_PROFILE
# Default value : NONE
# Mandatory : No
#-----
#DISABLESECURITYCONFIGURATION = "NONE"

-- INSERT --
```

关闭EM




```
# 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=

#-----
# Name      : TEMPLATENAME
# Datatype   : String
# Description : Name of the template
# Valid values : Template file name
# Default value : None
# Mandatory   : Yes
#-----
TEMPLATENAME = "General_Purpose.dbc"
#-----
# Name      : OBFUSCATEDPASSWORDS
# Datatype   : Boolean
# Description : Set to true if passwords are encrypted
# 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



An Oracle database is uniquely identified by a Global Database Name, typically of the form "name.domain".

Global Database Name:

A database is referenced by at least one Oracle instance which is uniquely identified from any other instance on this computer by an Oracle System Identifier (SID).

SID:

Cancel Help < Back Next >

```
#-----
# Name       : GDBNAME
# Datatype   : String
# Description : 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
# Default value : None
# Mandatory   : Yes
#-----
GDBNAME = "zzdb1"
#-----
# Name       : POLICYMANAGED
# Mandatory   : No [Required when a new serverpool need to be created]
#-----
#CARDINALITY =
#-----
# Name       : SID
# Datatype   : String
# Description : System identifier (SID) of the database
# Valid values : Check Oracle11g Administrator's Guide
# Default value : <db_name> specified in GDBNAME
# Mandatory   : No
#-----
SID = "zzdb1"
#-----
# 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=
#-----
# Name       : TEMPLATENAME
# Datatype   : String
# Description : Name of the template
```

数据库名与SID

GDBNAME="zzdb1"

SID="zzdb1"

自定义

For security reasons, you must specify passwords for the following user accounts in the new database.

☒ Use Different Administrative Passwords

User Name	Password	Confirm Password
SYS		
SYSTEM		

☐ Use the Same Administrative Password for All Accounts

Password:

Confirm Password:

Cancel Help Back Next

```
#OBFUSCATEDPASSWORDS = FALSE

#-----
# Name       : SYSPASSWORD
# Datatype   : String
# Description : Password for SYS user
# Valid values : Check Oracle11g Administrator's Guide
# Default value : None
# Mandatory   : Yes
#
SYSPASSWORD = "oracle"
#-----
# Name       : SYSTEMPASSWORD
# Datatype   : String
# 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
-- INSERT --
```

205,1 17%

数据库管理员密码

SYSPASSWORD="oracle"

SYSTEMPASSWORD="oracle"

自定义

Specify storage type and locations for database files.

Storage Type:

Storage Locations:


☐ Use Database File Locations from Template

☒ Use Common Location for All Database Files

Database Files Location:

☐ Use Oracle-Managed Files

Database Area:

 If you want to specify different locations for any database files, pick any of the above options except Oracle-Managed Files and use the Storage page later to customize each file location. If you use Oracle-Managed Files, Oracle automatically generates the names for database files, which can not be changed on the Storage page.

```
#-----
#DATAFILEJARLOCATION =
#-----
# Name      : 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
-- INSERT --
```

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

Choose the recovery options for the database:

☐ Specify Flash Recovery Area 关闭

This is used as the default for all disk based backup and recovery operations, and is also required for automatic disk based backup using Enterprise Manager. Oracle recommends that the database files and recovery files be located on physically different disks for data protection and performance.

Flash Recovery Area:

Flash Recovery Area Size:

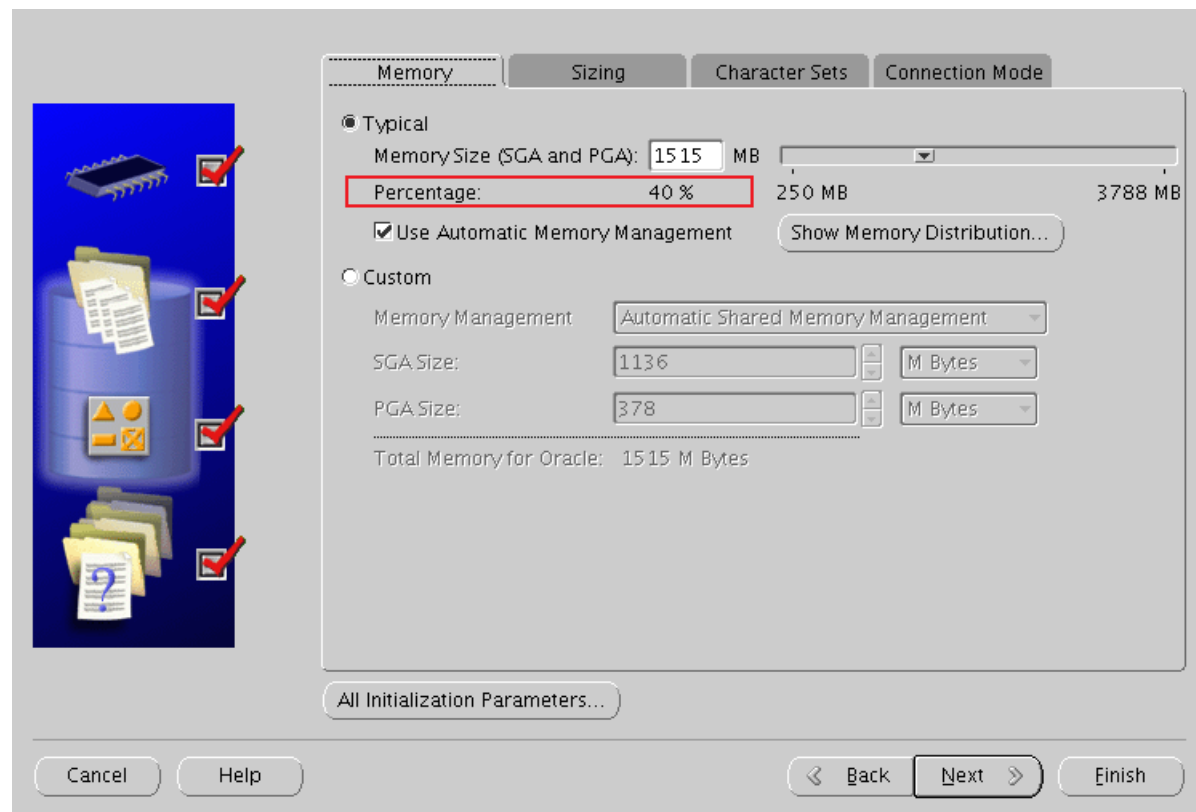
☐ Enable Archiving

```
# 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
# Valid values : FS (CFS for RAC), ASM
# Default value : FS
# Mandatory : No
#-----
#STORAGETYPE=FS

#-----
# Name : DISKGROUPNAME
```

```
# Default value : None
# Mandatory    : NO
#-----
MEMORYPERCENTAGE = "40"
#-----
# Name         : DATABASETYPE
# Datatype     : String
# Description   : used for memory distribution when MEMORYPERCENTAGE specified
# Valid values  : MULTIPURPOSE|DATA_WAREHOUSING|OLTP
# Default value : MULTIPURPOSE
# Mandatory    : NO
#-----
DATABASETYPE = "MULTIPURPOSE"
#-----
# Name         : AUTOMATICMEMORYMANAGEMENT
# Datatype     : Boolean
# Description   : flag to indicate Automatic Memory Management is used
# Valid values  : TRUE/FALSE
# Default value : TRUE
# Mandatory    : NO
#-----
AUTOMATICMEMORYMANAGEMENT = "TRUE"
#-----
# Name         : TOTALMEMORY
# Datatype     : String
```

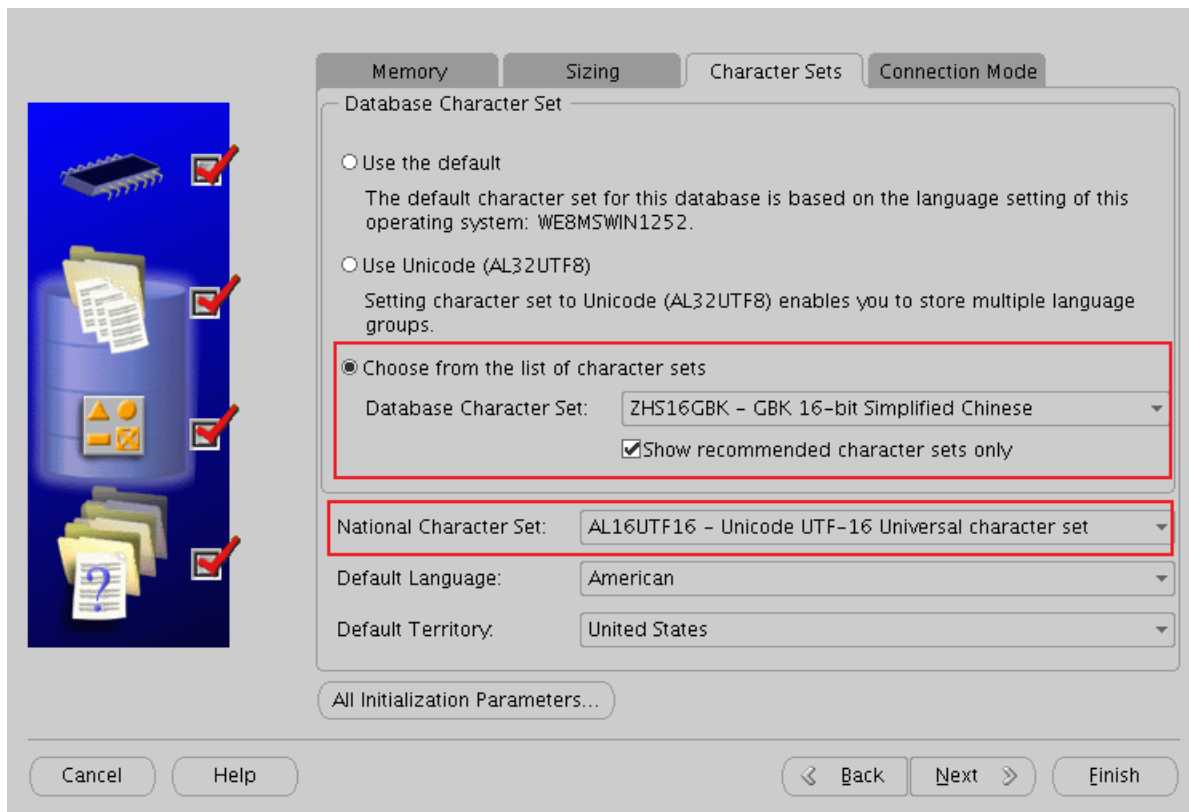
内存分配

MEMORYPERCENTAGE = "40"

DATABASETYPE = "MULTIPURPOSE"

AUTOMATICMEMORYMANAGEMENT = "TRUE"

默认值



```
#-----
# Name       : CHARACTERSET
# Datatype    : String
# Description  : Character set of the database
# Valid values : Check Oracle11g National Language Support Guide
# Default value : "US7ASCII"
# Mandatory   : NO
#-----
CHARACTERSET = "ZHS16GBK"
#-----
# Name       : NATIONALCHARACTERSET
# Datatype    : String
# Description  : National Character set of the database
# Default value : "AL16UTF16"
# Mandatory   : No
#-----
NATIONALCHARACTERSET= "AL16UTF16"
#-----
# Name       : REGISTERWITHDIRSERVICE
# 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

静默安装

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
[oracle@node1 oracle]$ 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 ~]$ source .bash_profile
bash: source: 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.

Connected to:
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
-----
zzdb1          OPEN

SQL>
```

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

```
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
```