





Welcome to Database Configuration Assistant for Oracle Database.

The Database Configuration Assistant enables you to create a database, configure database options in an existing database, delete a database, and manage database templates.

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Select the operation that you want to perform:

- Create a Database
- Configure Database Options
- Delete a Database
- Manage Templates



RDM configuration operations must be performed using Automatic Storage Management Configuration Assistant (ASMCAT) from Oracle Grid Infrastructure home.




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Templates that include databases contain pre-created databases. They allow you to create a new database in minutes, as opposed to an hour or more. Use templates without databases only when necessary, such as when you need to change attributes like block size, which cannot be altered after database creation.



Selected	Template	Includes Databases
<input type="radio"/>	General Purpose or Transaction Processing	Yes
<input type="radio"/>	Custom Database	No
<input type="radio"/>	OLAP	No
<input type="radio"/>	OLTP Warehouse	Yes
<input checked="" type="radio"/>	RAC	Yes

[Show Details...](#)

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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 there by other instances on this computer by an Oracle System Identifier (OSI).

OSI:





Enterprise Manager

Automatic Maintenance Tasks

 Configure Enterprise Manager Register with Grid Control for centralized managementManagement Service: Configure Database Control for local management Enable Daily Disk Backup to Recovery AreaBackup Start Time: : : OS Username: OS Password:

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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		
DBSNMP		
ORACLE		

Use the same administrative password for all accounts

Password:

Confirm Password:

Cancel

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

- Use Different Administrative Passwords

USER NAME	PASSWORD	DEFAULT PASSWORD
SYS		
SYSTEM		
SYSTEM		
SYSTEM		

- Use the Same Administrative Password for All Accounts

Password:

Confirm Password:

Cancel

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Listeners

There are multiple listeners in the Oracle Home. Select the listeners for which you want to register the database.

- Register this database with all the listeners
- Register this database with selected listeners only

Available Listeners

LISTENER_1
LISTENER_2



Selected Listeners

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Listeners

There are multiple listeners in this Oracle Home. Select the listeners for which you want to register this database:

- Register this database with all the listeners.
- Register this database with selected listeners only.

Available Listeners

LISTENER

Selected Listeners

LISTENER [noCollation] (1.2.8.5.1)

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Specify storage type and location for database files.

Storage Type:

Storage Location:

Use Database File Locations from Template

Use Common Location for All Database Files

Database File Location: Browse...

Use Oracle-Managed Files

Database Area: Browse...



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.



Specify storage type and location for database files.

Multiplex Redo Logs and Control Files

It is recommended that online redo logs and control files be written to multiple locations spread across different disks to provide greater fault tolerance.

Redo Log and Control File Destinations	
1	<input type="text" value="< Path >"/>
2	<input type="text" value="< Path >"/>
3	<input type="text"/>
4	<input type="text"/>
5	<input type="text"/>

If you select multiple files, click one of the above buttons later to customize the list automatically generated on the Storage page.

File Location Variables

Variables are used to specify parameterized file locations for datafiles, control files, redo logs, and any other files used by database.

For example, a control file may be specified as
`ORACLE_HOME\oradata\%DB_NAME%\control01.ctl`

Variable	FILE
ORACLE_HOME	%ORACLE_HOME%
ORACLE_HOME	%ORACLE_HOME%\product\11.2.0.3\bin_1
DB_NAME	RAC
DB_UNIQUE_NAME	RAC
DB	RAC1

OK Cancel Help

pick one of the above later to customize manually generated Storage page.

Specify storage type and location for database files.

Storage Type:

Storage Location:

[Click to view the available storage locations.](#)

ASM Credentials

Specify ASMNET1# password specific to ASM:

[Browse...](#)

[Browse...](#)

[Multiple Redo Logs and Control File...](#)



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 generated the names for database files, which can not be changed on the Storage page.

[File Location Variables...](#)

Choose the recovery options for the database:

Specify Fast Recovery Area

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.

Fast Recovery Area

Fast Recovery Area Size:

Enable Archiving



Choose the recovery speed for the database:

Specify Fast Recovery Area

This is used as the default for all disk-based backup and recovery operations, and is managed by the Recovery Manager. Oracle recommends that you specify a location on a physically different disk than the database files.



You do not have enough free disk space in specified Fast Recovery Area location. You have only 4070 MB available on 'u:\FR'. Do you want to continue?

Yes

No

Browse...

10 Bytes

File Location Variables...

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Finish

Choose the recovery options for the database.

Specify a Recovery Area

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.

Fast Recovery Area:

Fast Recovery Area Size:

Enable Archiving





Memory

2GB

Disable TSM

Connection Mode

Typical

Memory Size (SGA and PGA): MB

Percentage: 40% 20.8 MB 8000 MB

Use Automatic Memory Management

Show Memory Distribution...

Custom

Memory Management:

SGA Size:

PGA Size:

Total Memory Size: 1.200 GB (8 GB)

All Initialization Parameters...

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Memory

Logging

Character Sets

Connection Modes

A block is the smallest unit of storage for allocation and for I/O. It cannot be changed once the database is created.

Block Size: Bytes

Specify the maximum number of operating system user processes that can be simultaneously connected to this database. The value of this parameter includes the user processes and the Oracle background processes.

Processes: [All Initialization Parameters...](#)

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Memory

Sizing

Character Sets

Connection Mode

Database Character Set

 Use the default

The default character set for this database is based on the language setting of the operating system: `WE8MSWIN1252`.

 Use Unicode (AL32UTF8)

Setting character set to Unicode (AL32UTF8) enables you to store multiple language groups.

 Choose from the list of character sets

Database Character Set:

 Show recommended character sets only

National Character Set:

Default Language:

Default Territory:

Memory

Sizing

Character Sets

Initialization Mode

Select the mode in which you want your database to operate by default:

Dedicated Server Mode

For each client connection the database will allocate a resource dedicated to serving only that client. Use this mode when the number of total client connections is expected to be small or when clients will be making persistent, long-running requests to the database.

Shared Server Mode

Several client connections share a database-allocated pool of resources. Use this mode when a large number of users need to connect to the database simultaneously while efficiently utilizing system resources. The Oracle shared server feature will be enabled.

Shared Servers specifies the number of server processes that you want to create when an instance is started up.

Shared Server:

[Edit Shared Server Parameters...](#)

[All Initialization Parameters...](#)

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Exit

All Initialization Parameters

name	value	override	category
cluster_database	FALSE		Cluster Database
compatible	11.2.0.4.0	<input checked="" type="checkbox"/>	Miscellaneous
control_files			File Configuration
db_block_size	8192	<input checked="" type="checkbox"/>	Cache and I/O
db_create_file_dest	+DATA	<input checked="" type="checkbox"/>	File Configuration
db_create_online_log_dest_1	+DATA	<input checked="" type="checkbox"/>	File Configuration
db_create_online_log_dest_2	+FRA	<input checked="" type="checkbox"/>	File Configuration
db_domain		<input checked="" type="checkbox"/>	Database Identifier
db_name	RAC	<input checked="" type="checkbox"/>	Database Identifier
db_recovery_file_dest	+FRA	<input checked="" type="checkbox"/>	File Configuration
db_recovery_file_dest_size	5121401728	<input checked="" type="checkbox"/>	File Configuration
db_unique_name			Miscellaneous
instance_number	0		Cluster Database
log_archive_dest_1			Archive
log_archive_dest_2			Archive
log_archive_dest_state_1	enable		Archive
log_archive_dest_state_2	enable		Archive
nl_langid	AMERICAN		NLS
nl_territory	POLAND	<input checked="" type="checkbox"/>	NLS
open_cursors	300	<input checked="" type="checkbox"/>	Cursors and Library Cache
opt_plsql_optimizer	818890880	<input checked="" type="checkbox"/>	Opt. Hook Jobs, Stream Indexes
processes	350	<input checked="" type="checkbox"/>	Processes and Sessions
remote_listener			Network Registration
remote_login_passwordfile	EXCLUSIVE	<input checked="" type="checkbox"/>	Security and Auditing
sessions	172		Processes and Sessions
sga_target	2538581408	<input checked="" type="checkbox"/>	SGA Memory
shared_servers	0		Shared Server
var_transformation_enabled	FALSE		Optimizer
undo_tablespace	UNDOTBS1	<input checked="" type="checkbox"/>	System Managed Undo and Rollback Segments

Storage

- Control File
- Database
- Redo Log Group

Options

Maximum Datafiles

100

Maximum Redo Log Files

18

Maximum Log Members

3

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File Location Transfers ...

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Storage

- Controlfile
- Copy files**
- Process Log Group

File Name

- 1 <ORACLE_HOME>\ORACLE\DATABASE\
- 2 <ORACLE_HOME>\ORACLE\DATAFILES\
- 3 <ORACLE_HOME>\ORACLE\BACKUP\
- 4 <ORACLE_HOME>\ORACLE\LOGS\
- 5 <ORACLE_HOME>\ORACLE\TEMPFILES\

Create

Delete

File Location Variables...

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Group	Size (M)
1	5120M
2	5120M
3	5120M



General

Group #: File Size:

Redo Log Members:

Member
ORA_3_REDOLOG1.MEMBER.1

Select the database creation options:

Create Database

Save as a Database Template

Name:

Description:

Generate Database Creation Scripts

Destination Directory:



Cancel

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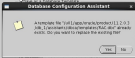
Next

Finish

Select the database creation options:

Create Database

Use an Existing Database



Database name:

Directory:

The following operations will be performed:

A database called "RAC" will be created.

A template called "RAC" will be generated.

Database creation scripts will be stored in "juju_L1/app/oracle/creatingRAC_scripts".

Database Details:

Create Database - Summary

Database Configuration Summary

Global Database Name: RAC

Database Configuration Type: Oracle RAC on Enabled Single Instance

SID: RAC1

Management System Type: Database Control

Storage Type: Automatic Storage Management (ASM)

Memory Configuration Type: Automatic Memory Management

Database Configuration Details

Database Components

Component	Selected
Oracle JRM	True
Oracle Text	True
Oracle XML DB	True
Oracle Multimedia	True
Oracle OLAP	True
Oracle Spatial	True
Oracle Label Security	False

Confirmation

The following operations will be performed:

A database called "RAC" will be created.

A template called "RAC" will be generated.

Database creation scripts will be stored in "juil\apps\rac\adm\rac\scripts".

Database Details:

Property	Value
Sample Schemas	false
Enterprise Manager Repository	true
Create Application Express	true
Create Warehouse Builder	true
Create Database Vault	false

Initialization Parameters

Name	Value
workfile_dest	(ORACLE_HOME)\sysaux\opt_oracle_home\temp
workfile	DB
compatible	11.2.0.0.0
db_block_size	8KB
db_create_file_dest	+DATA
db_create_online_log_dest_1	+DATA
db_create_online_log_dest_2	+FRA
db_domain	
db_name	RAC
db_recovery_file_dest	+FRA
db_recovery_file_dest_size	4 GB
diag_dest	(ORACLE_HOME)
dispatchers	(PROTOCOL=TCP) (SERVICE=ORCL)

The following operations will be performed:

- A database called "POC" will be created.

- A template called "POC" will be generated.

Database creation script will be stored in "yml:/api/track/admin/POC/script".

Database Details:

memory_target	1200MB
tblspace	FILEMG
open_cursors	100
processes	150
events, open_pdaevents	EXCLUSIVE
tblspace	FILEMG

Character Sets

Name	Value
Database Character Set	AL32UTF8
National Character Set	AL32UTF8

Data Files

Name	Tablespace	Size (M)
<ORA_SYSTEM_DATAFILE>	SYSTEM	700
<ORA_SYSAUX_DATAFILE>	SYSAUX	600
<ORA_UNDOTBS1_DATAFILE>	UNDOTBS1	12
<ORA_USERS_DATAFILE>	USERS	5
<ORA_TEMP_TEMPFILE>	TEMP	20

Redo Log Groups

Group	Size (M)
1	51200
2	51200
3	51200

Show as an HTML file...

OK

Cancel

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Select the database creation options:

Create Database

Create as a Database Template



Destination
Directory:

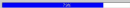
Database Configuration Assistant

Ideal Platform for
Big Computing

- Low cost, servers and storage
- Highest availability
- Best scalability

 Database creation script generation

Database creation script generation is progress:

Log files for the current operation are located at
`/u01/app/oracle/admin/RAC/scripts`

Database Configuration Assistant

Minimal Platform
Grid Control

- Lower cost and size
- Highest
- Best availability

Database Configuration Assistant

The generation of the script
"/tmp/1/ops/trace/admin/RAC/scripts" is successful.

OK

100%

Log files for the current operation are located at:
/tmp/1/ops/availability/admin/RAC/scripts

Cancel

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Database Configuration Assistant

Higher Availability



Copying database files

- Creating and starting Oracle instance
- Registering database with Oracle Restart
- Completing Database Creation

Done database creation in progress



Log files for the current operation are located at
path `L:\app\oracle\diagtrace\jobc\jobc.log`

Step

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