





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



AEM configuration operations must be performed using the Oracle Storage Management Configuration Assistant (SMCA) from Oracle Grid Infrastructure Home.



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Select the template management operation you want to perform:

Create a database template

From an existing template

From an existing database (structure only)

The template will contain structural information about the source database, including database options, tablespaces, tablespaces, tablespaces, and initialization parameters specified in the source database. User-defined schemas and their data will not be part of the created template.

From an existing database (structure as well as data)

The template will contain the structural information as well as physical database specified in the source database. Databases created using such a template will be identical to the source database. User-defined schemas and their data will be part of the template.

Delete a database template



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Select a source template to create the new template

Select	Template	Includes Details
<input checked="" type="radio"/>	General Purpose of Transaction Processing	Yes
<input type="radio"/>	Custom Database	No
<input type="radio"/>	BIOLC	No
<input type="radio"/>	Data Warehouse	Yes

Show Details ...

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Specify name and description of the template you would like to create:

Name:

Description:

Specify a file name which will contain details used in the template in a compressed format:

Template details:





is compressed format:

Ctrl file

Browse...

File Location Variables...

Cancel

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Specify storage type and location for database files.

Storage Type:

Storage Location:

Use Database File Locations from Templates

Use Common Location for All Database Files

DATABASE_FILE_LOCATION:

Use Oracle-Managed Files

ORACLE_HOME:



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 at the Storage page.



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:

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.



Select a disk group and location for the database files.

Select Disk Group

Available Disk Groups

Select	Disk Group Name	Size (MB)	Free (MB)	Redundancy	State
<input checked="" type="radio"/>	DATA	2048 B	18032	External	Mounted
<input type="radio"/>	FRA	1024 B	4877	Normal	Mounted

Note: Free (MB) reflects the usable free space available taking redundancy into account.

OK

Cancel

File Location Variables...

Cancel

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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:

- Use Oracle-Managed Files

Database Area:

1 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.

Multiple 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	redo01a
2	redo02a
3	
4	
5	
6	

OK Cancel Help



For each file, pick any of the above
 on the page later to customize
 the automatically-generated
 file names for the Storage space.

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:

Browse...

Fast Recovery Area Size:

M Bytes

Enable Archiving

Edit Archiving Mode Parameters...

File Location Variables...

Cancel

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Choose the recovery system for the database:

Select Disk Group

Available Disk Groups:

Select	Disk Group Name	Size (MB)	Free (MB)	Redundancy	State
<input type="radio"/>	DATA	20480	28032	External	Mounted
<input checked="" type="radio"/>	FLA	10240	4817	Normal	Mounted

Note: Free (MB) reflects the usable free space available taking redundancy into account.

OK Cancel

File Location Unlabeled...

Cancel

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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



Memory

Scalng

Character Set

Connection Mode

 Typical

Memory Size (SGA and PGA): 1200 MB

Percentage:

40 %

250 MB

8000 MB

 Use Automatic Memory Management

Show Memory Distribution...

 CustomMemory Management:

SGA Size:

PGA Size:

Total Memory for Oracle: 23.20 M Bytes

All Initialization Parameters...

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Memory

Logging

Character Set

Connection Mode

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 the database. The value of this parameter includes the user processes and the Oracle background processes.

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

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Memory

Logging

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: `WE8EUTF8S132`.

 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

Logging

Character Sets

Connection 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 using 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:

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

[All Initialization Parameters...](#)

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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 Identifiers
db_name	RAC	<input checked="" type="checkbox"/>	Database Identifiers
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_trace	818880000	<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
- Database
- Redo Log Groups

Options

Maximum Datafiles:

100

Maximum Redo Log Files:

16

Maximum Log Members:

3

Create

Delete

File Location Manager...

Cancel

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Group	Size (M)
1	52280
2	52280
3	52280



General

Group #:

File Size:

Redo Log Members

Member
OMP_1_REDOLOG_MEMBER_0



General

Group #: File Size:

Redo Log Members:

Member
OMP_3_MFIOLOG_MEMBER_0

Storage



General

Group #: 3

File Size: 512 MB K Bytes

Redo Log Members:

Member
OMP_3_REDOLOG_MEMBER_0

The following operations will be performed:
 A template called "GAC" will be generated.

Database Details:

General Purpose or Transaction Processing

Use this database template to create a pre-configured database optimized for general purpose or transaction processing usage.

Database Components:

Component	Selected
Oracle JVM	True
Oracle Text	True
Oracle XML DB	True
Oracle Multimedia	True
Oracle OLAP	True
Oracle Spatial	True
Oracle Label Security	False
Sample Schemas	False
Enterprise Manager Repository	True
Oracle Application Express	True
Oracle Warehouse Builder	True
Oracle Database Vault	False

Save as an HTML file

OK

Cancel

Help

Confirmation

The following operations will be performed:
 A template called "PAC" will be generated.

Database Details:

Initialization Parameters

Name	Value
swch_file_dest	ORACLE_BASE/whch/SQL/ARCHIVELOG/redo
swch_dest	DB
compatibility	11.2.0.4.0
db_block_size	8192
db_create_file_dest	+DATA
db_create_online_log_dest_1	+DATA
db_create_online_log_dest_2	+FRA
db_domain	
db_name	
db_recovery_file_dest	+FRA
db_recovery_file_dest_size	43776B
diagnostic_dest	ORACLE_BASE
dispatchers	(PROTOCOL=TCP) (SERVICE=ORCLDB)
local_listener	LISTENER
memory_target	12000B
pl_virtuality	PLANS
open_cursors	300
processes	150
remote_login_passwordfile	EXCLUSIVE
undo_tablespace	UNDOTBS1

Start an HDB file

OK

Cancel

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Character Sets

Name	Value
Database Character Set	WE8MSWIN1252
National Character Set	AL32UTF8

Data Files

Name	Tablespace	Size (Mb)
<ORACLE_DATABASE>	SYSTEM	700
<ORACLE_BROADCAST>	BROADCAST	400
<ORACLE_UNDO_TABLESPACE>	UNDO_TABLESPACE	25
<ORACLE_USERS>	USERS	5
<ORACLE_TEMP>	TEMP	20

Redo Log Groups

Group	Size (Mb)
1	51200
2	51200
3	51200

Save to an HTML file

OK

Cancel

Help

Storage

Database Configuration Assistant

Ideal Platform for Grid Computing

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

1. Copying jar file

Creating template file is progress

Log files for the current operation are located at
`/work/hadoop/logs/hdp-oozie-ooziadb`

Stop

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Storage

Database Configuration Assistant

Database Configuration Assistant



The template 'RAC' creation completed. Do you want to perform another operation?

Yes

No

100%

Log files for the current operation are located at:
/u01/app/oracle/flash_recovery_area

OK

OK

Cancel

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