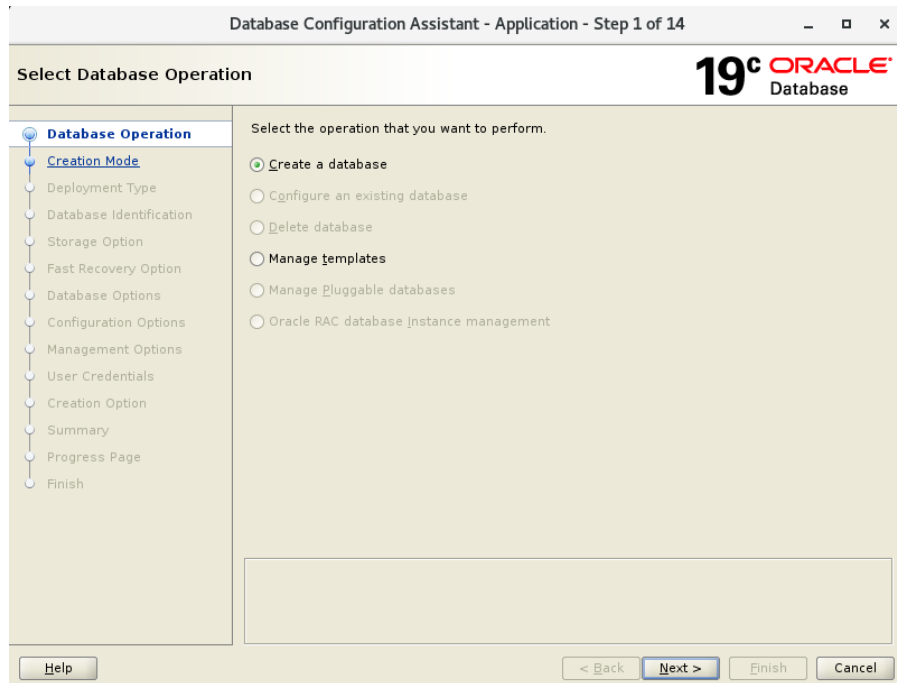
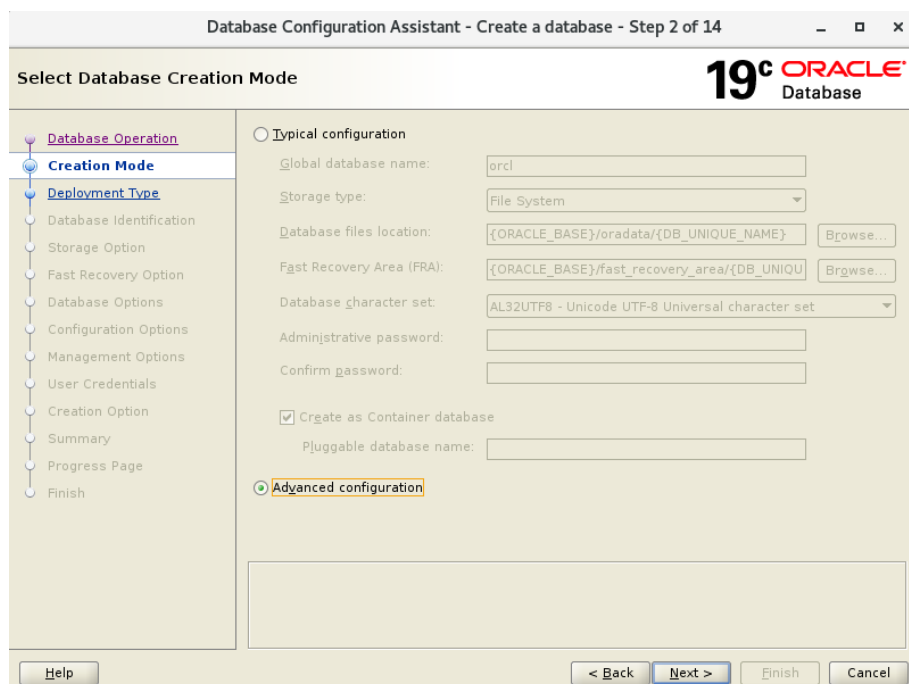


## Creación de una base de datos Oracle 19c

1. Iniciar el Asistente de Configuración de base de datos (dbca). Escoger la opción



2. Especificar el tipo de configuración de la base de datos. Escoger “Advanced Configuration” para especificar las opciones en la creación de la base de datos



3. Escoger como tipo de base de datos: “Oracle Single Instance Database” y como plantilla la opción “Custom Database” para personalizar la base de datos.

Database Configuration Assistant - Create a database - Step 3 of 14

Select Database Deployment Type

19<sup>c</sup> ORACLE Database

Select the type of database you want to create.

Database type: Oracle Single Instance database

Configuration type: Admin Managed

Select a template for your database.

Templates that include datafiles contain pre-created databases. They allow you to create a new database quickly. Use templates without datafiles only when necessary, such as when you need to change attributes like block size that cannot be altered after database creation.

Template name	Include datafiles	Details
<input type="radio"/> Data Warehouse	Yes	<a href="#">View details</a>
<input checked="" type="radio"/> Custom Database	No	<a href="#">View details</a>
<input type="radio"/> General Purpose or Transaction Processing	Yes	<a href="#">View details</a>
<input type="radio"/> dbca template 2021-03-19 10-00-49PM	No	<a href="#">View details</a>

Template location: /u01/app/oracle/product/19.3.0/dbhome\_1/assistants/dbca/templates [Change...](#)

Help < Back Next > Finish Cancel

4. Especificar el identificador de la base de datos (SID). **NO** seleccionar “Create as Container Database” para el laboratorio.

Database Configuration Assistant - Create a database - Step 4 of 14

Specify Database Identification Details

19<sup>c</sup> ORACLE Database

Provide a unique database identifier information. An Oracle database is uniquely identified by a Global database name, typically of the form "name.domain".

Global database name: orcl

SID: orcl

Service name:

☐ Create as Container database

A Container database can be used for consolidating multiple databases into a single database, and it enables database virtualization. A Container database (CDB) can have zero or more pluggable databases (PDB).

☒ Use Local Undo tablespace for PDBs

☐ Create an empty Container database

☒ Create a Container database with one or more PDBs

Number of PDBs: 1

PDB name: pdb

Help < Back Next > Finish Cancel

5. Especificar la ubicación de los archivos de base de datos. Especificar “Use template file for database storage attributes”

Database Configuration Assistant - Create 'orcl' database - Step 5 of 14

**19<sup>c</sup> ORACLE Database**

Select Database Storage Option

Database Operation  
Creation Mode  
Deployment Type  
Database Identification  
**Storage Option**  
Fast Recovery Option  
Database Options  
Configuration Options  
Management Options  
User Credentials  
Creation Option  
Summary  
Progress Page  
Finish

☒ Use template file for database storage attributes  
Storage type and location for database files will be picked up from the specified template (Custom Database).

☐ Use following for the database storage attributes  
All the database files will be put at the specified location below. You can customize the name and location of each datafile in the subsequent screen.

Database files storage type: File System

Database files location: {ORACLE\_BASE}/oradata/{DB\_UNIQUE\_NAME} Browse...

Oracle Managed files option will enable Oracle to automatically generate the names of the datafiles for simplified database management.

☐ Use Oracle-Managed Files (OMF) Multiplex redo logs and control files...

File location variables...

Help < Back Next > Finish Cancel

6. El “Fast Recovery Area” y el “Archiving” son configuraciones para el almacenamiento de los archivos de respaldo y recuperación de la base de datos. No se habilitará para el laboratorio.

Database Configuration Assistant - Create 'orcl' database - Step 6 of 14

**19<sup>c</sup> ORACLE Database**

Select Fast Recovery Option

Database Operation  
Creation Mode  
Deployment Type  
Database Identification  
Storage Option  
**Fast Recovery Option**  
Network Configuration  
Configuration Options  
Management Options  
User Credentials  
Creation Option  
Summary  
Progress Page  
Finish

Choose the recovery options for the database.

☐ Specify Fast Recovery Area

Recovery files storage type: File System

Fast Recovery Area: {ORACLE\_BASE}/fast\_recovery\_area/{DB\_UNIQUE\_NAME} Browse...

Fast Recovery Area size: 7851 MB

☐ Enable archiving Edit archive mode parameters...

Help < Back Next > Finish Cancel

7. La configuración del listener se realiza para la conexión remota de usuarios. Crear un nuevo listener y poner como nombre "LISTENER" y puerto 1521

Database Configuration Assistant - Create 'orcl' database - Step 7 of 14

Specify Network Configuration Details

19c ORACLE Database

Database Operation  
Creation Mode  
Deployment Type  
Database Identification  
Storage Option  
Fast Recovery Option  
**Network Configuration**  
Configuration Options  
Management Options  
User Credentials  
Creation Option  
Summary  
Progress Page  
Finish

Listener selection

Listeners from current Oracle home are listed below. Specify the listener name and port to create a new listener in current Oracle home.

Name	Port	Oracle home	Status
------	------	-------------	--------

☒ Create a new listener

Listener name: LISTENER

Listener port: 1521

Oracle home: /u01/app/oracle/product/19.3.0/dbhome\_1

Help < Back Next > Finish Cancel

8. Se pueden instalar componentes adicionales a la base de datos. Para el laboratorio no se seleccionará ningún componente

Database Configuration Assistant - Create 'orcl' database - Step 8 of 15

Select Database Options

19c ORACLE Database

Database Operation  
Creation Mode  
Deployment Type  
Database Identification  
Storage Option  
Fast Recovery Option  
Network Configuration  
**Database Options**  
Configuration Options  
Management Options  
User Credentials  
Creation Option  
Summary  
Progress Page  
Finish

Database components

Select the standard database components you want to configure for use in your database. Oracle recommends that you always install these components in your database. Deselecting these components may cause you to no longer be able to choose some components on the subsequent page.

Select Component	Tablespace
<input type="checkbox"/> Oracle JVM	SYSTEM
<input type="checkbox"/> Oracle Text	SYSAUX
<input type="checkbox"/> Oracle Multimedia	SYSAUX
<input type="checkbox"/> Oracle OLAP	SYSAUX
<input type="checkbox"/> Oracle Spatial	SYSAUX
<input type="checkbox"/> Oracle Label Security	SYSTEM
<input type="checkbox"/> Oracle Application Express	SYSAUX
<input type="checkbox"/> Oracle Database Vault	SYSAUX

Help < Back Next > Finish Cancel

9. Las opciones de configuración permite especificar los parámetros de la instancia de base de datos. Esta información se almacena en el archivo de parámetros de la base de datos (pfile o spfile). Seleccionar "Use Automatic Shared Memory Management" con los valores por defecto para el SGA y PGA

Database Configuration Assistant - Create 'orcl' database - Step 9 of 15

Specify Configuration Options

19<sup>c</sup> ORACLE Database

Database Operation  
Creation Mode  
Deployment Type  
Database Identification  
Storage Option  
Fast Recovery Option  
Network Configuration  
Database Options  
**Configuration Options**  
Management Options  
User Credentials  
Creation Option  
Summary  
Progress Page  
Finish

Memory Sizing Character sets Connection mode Sample schemas

☒ Use Automatic Shared Memory Management

SGA size: 516 MB

PGA Size: 172 MB

☐ Use Manual Shared Memory Management

Shared pool size: 0 MB

Buffer cache size: 0 MB

Java pool size: 0 MB

Large pool size: 0 MB

PGA size: 0 MB

Total memory for database 0 MB

☐ Use Automatic Memory Management

Memory target: 688 MB

< Back Next > Finish Cancel

10. La herramienta Enterprise Manager (EM) database expresses es una consola gráfica de administración de la base de datos. Para el laboratorio no se utilizará

Database Configuration Assistant - Create 'orcl' database - Step 10 of 15

Specify Management Options

19<sup>c</sup> ORACLE Database

Database Operation  
Creation Mode  
Deployment Type  
Database Identification  
Storage Option  
Fast Recovery Option  
Network Configuration  
Database Options  
Configuration Options  
**Management Options**  
User Credentials  
Creation Option  
Summary  
Progress Page  
Finish

Specify the management options for the database.

☒ Configure Enterprise Manager (EM) database express

EM database express port: 5500

☐ Register with Enterprise Manager (EM) cloud control

OMS host:

OMS port:

EM admin username:

EM admin password:

< Back Next > Finish Cancel

11. Los usuarios SYS y SYSTEM son los usuarios administradores por defecto de la base de datos. Configurar “Use the same administrative password for all accounts” para configurar la misma contraseña para ambos usuarios

Database Configuration Assistant - Create 'orcl' database - Step 11 of 15

**Specify Database User Credentials**

You must specify passwords for the following user accounts in the new database for security reasons.

☐ Use different administrative passwords

Password Confirm password

SYS

SYSTEM

☒ Use the same administrative password for all accounts

Password: Confirm password:

Messages:

⚠ Password: [DBT-06208] The 'ADMIN' password entered does not conform to the Oracle recommended standards.

Help < Back Next > Finish Cancel

12. Especificar la opción “Create database” para iniciar la creación de la base de datos

Database Configuration Assistant - Create 'orcl' database - Step 12 of 15

**Select Database Creation Option**

Select the database creation options.

☒ Create database

Specify the SQL scripts you want to run after the database is created. The scripts are run in the order listed below.

Post DB creation scripts: Browse...

☐ Save as a database template

Template name: dbca\_template\_2021-03-22\_09-34-2

Template location: /u01/app/oracle/product/19.3.0/dbhome\_1/assistants/dbca/t Browse...

Description:

☐ Generate database creation scripts

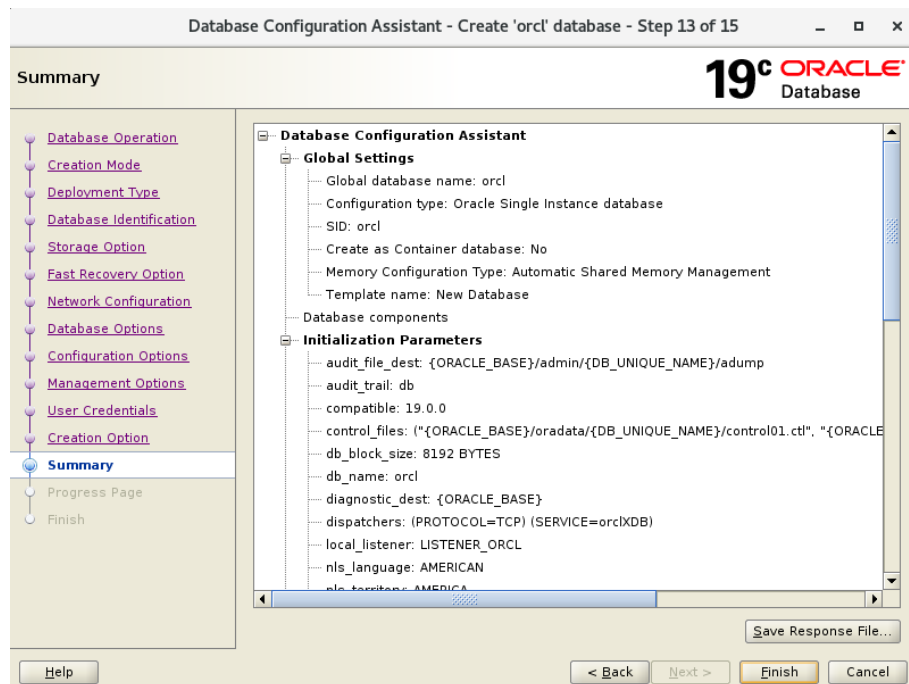
Destination directory: {ORACLE\_BASE}/admin/{DB\_UNIQUE\_NAME}/scripts Browse...

Following advanced configuration options can be used to configure initialization parameters and customize database storage locations.

All Initialization Parameters... Customize Storage Locations...

Help < Back Next > Finish Cancel

13. En la pantalla de resumen, se muestra la configuración de la base de datos a crear.  
Revisar y dar “Finish”



14. Se mostrará el progreso de la creación de la base de datos. Al terminar dar “Close”

