

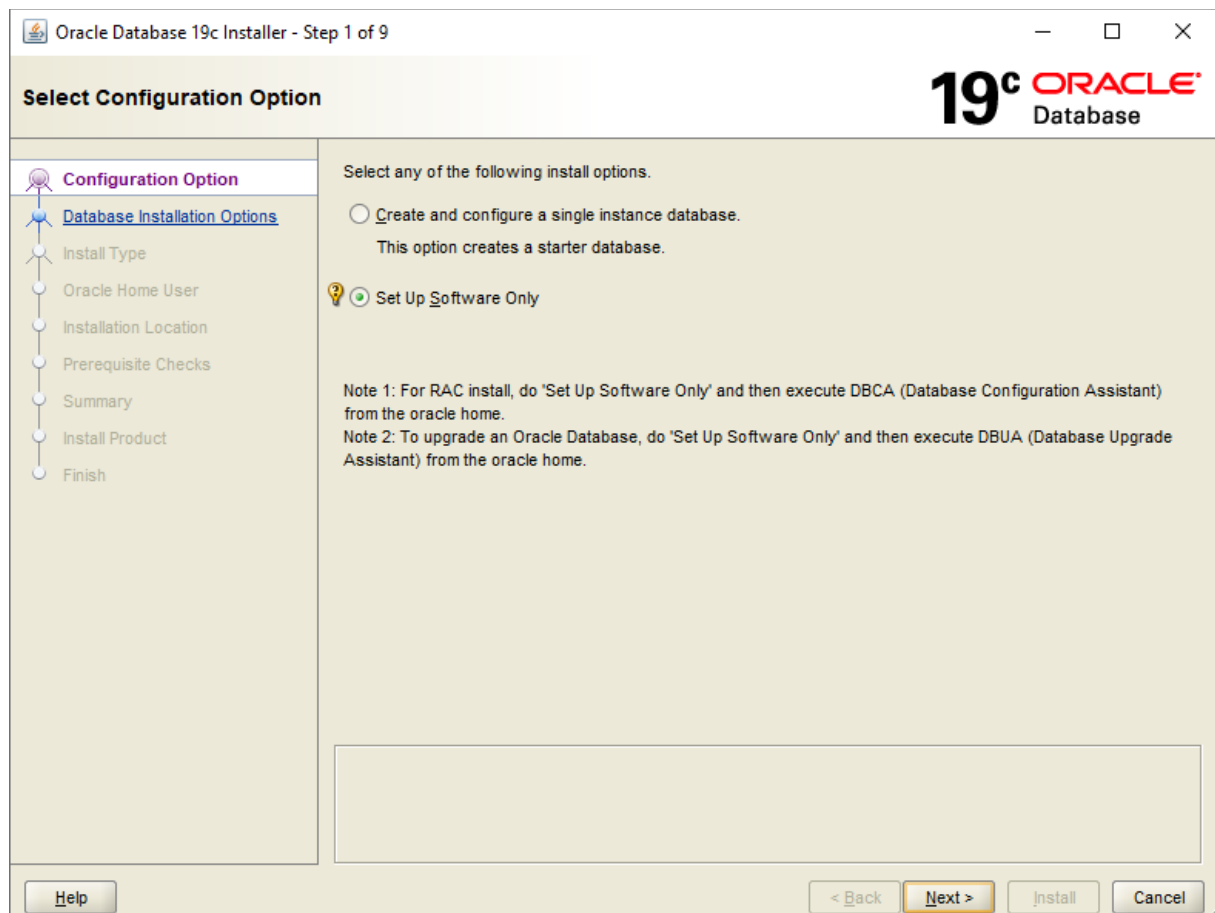
Instalacja - ORACLE 19c:

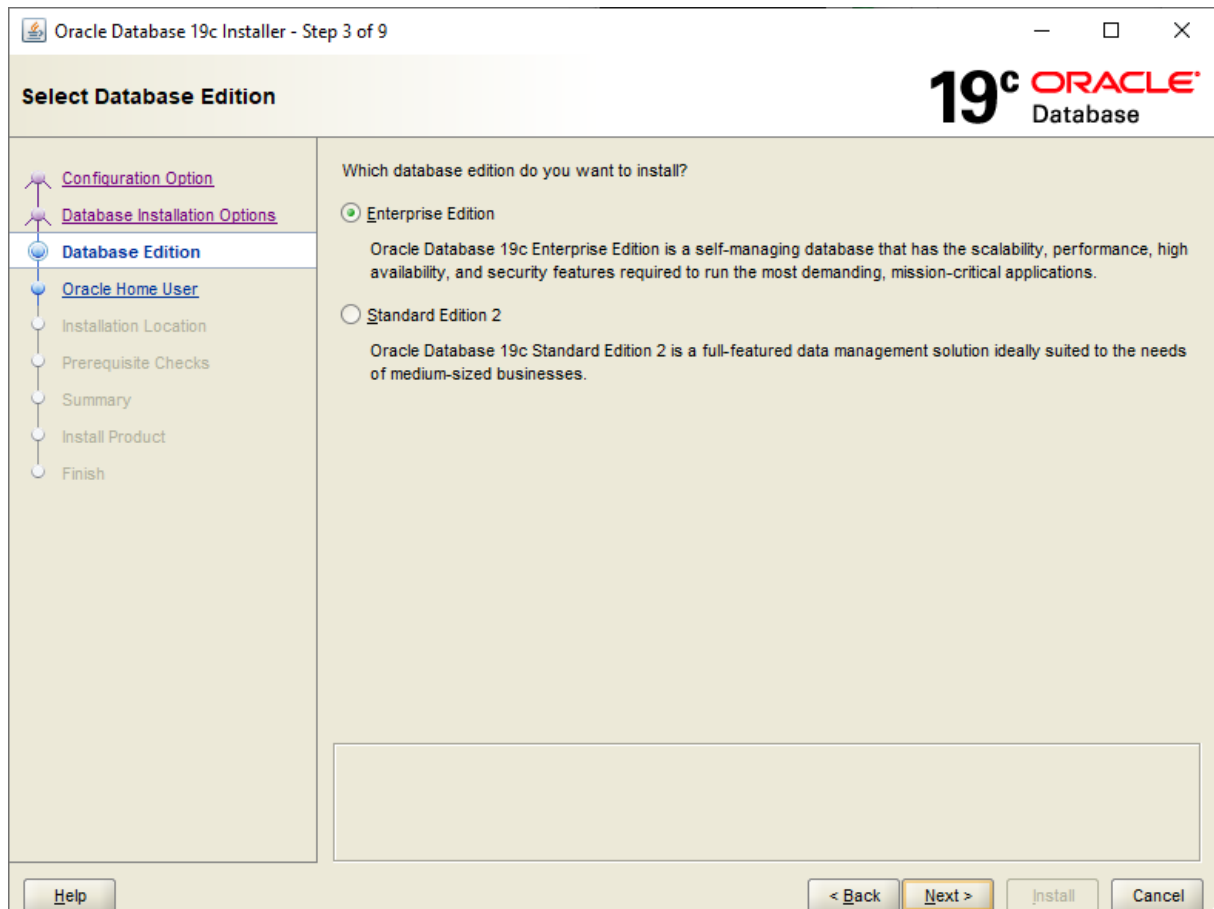
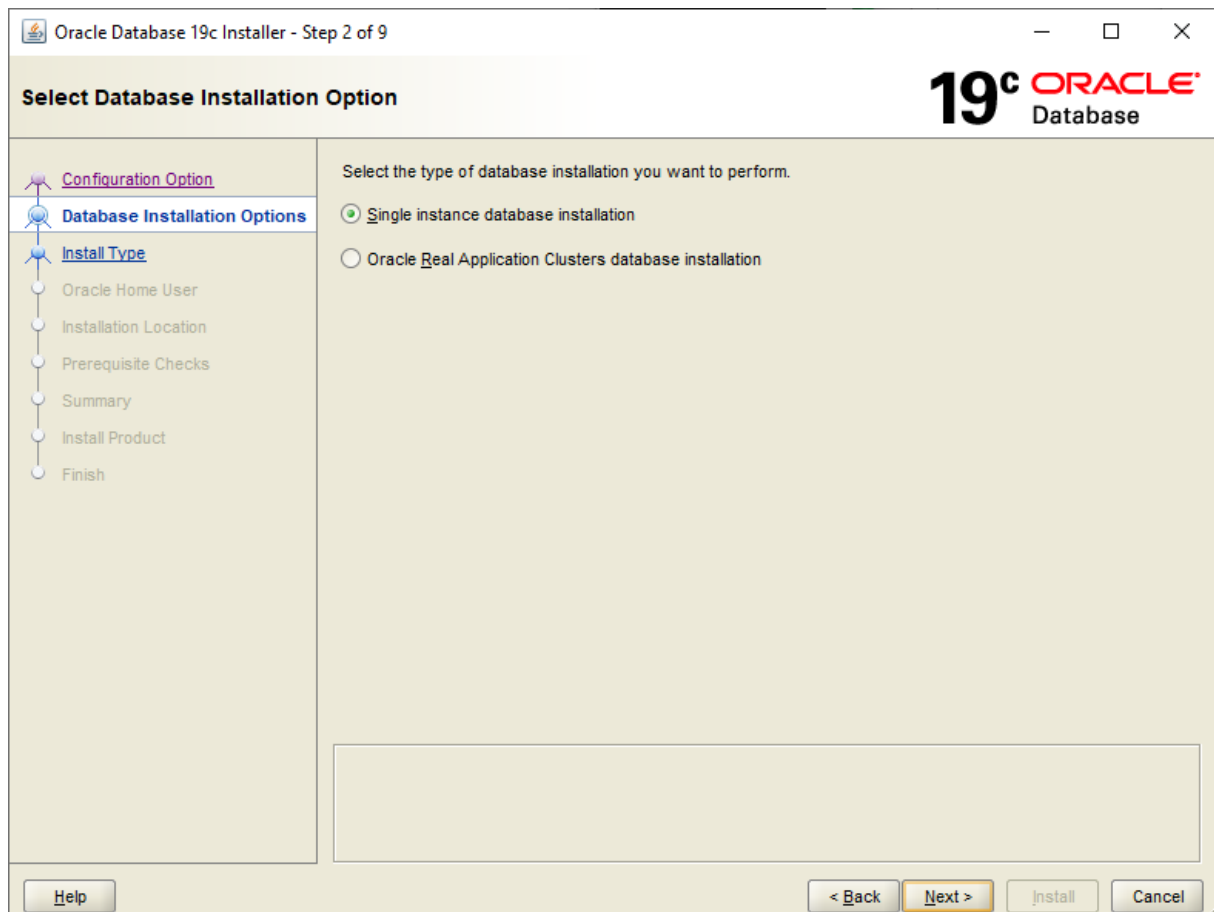
Przydatne linki:

<https://docs.oracle.com/en/database/oracle/oracle-database/19/install-and-upgrade.html>

<https://alekciss.com/install-oracle-database-19c-on-windows/>

Instalacja środowiska i narzędzi ORACLE:





Oracle Database 19c Installer - Step 4 of 9

19c ORACLE Database

Configuration Option

Database Installation Options

Database Edition

Oracle Home User

Installation Location

Prerequisite Checks

Summary

Install Product

Finish

For enhanced security, you may choose to run Windows Services from this Oracle home with a non-administrator account. Oracle recommends that you choose a Virtual Account or specify a standard Windows User Account for this purpose.

☒ Use Virtual Account

☐ Use Existing Windows User

User Name:

Password:

☐ Create New Windows User

User Name:

Password:

Confirm Password:

The newly created user is denied Windows logon privileges.

☐ Use Windows Built-in Account

Help

< Back

Next >

Install

Cancel

Oracle Database 19c Installer - Step 5 of 9

19c ORACLE Database

Configuration Option

Database Installation Options

Database Edition

Oracle Home User

Installation Location

Prerequisite Checks

Summary

Install Product

Finish

Specify a path to place all Oracle software and configuration-related files installed by this installation owner. This location is the Oracle base directory for the installation owner.

Oracle base?

This software directory is the Oracle Database home directory.

Software location: C:\ORACLE\inst

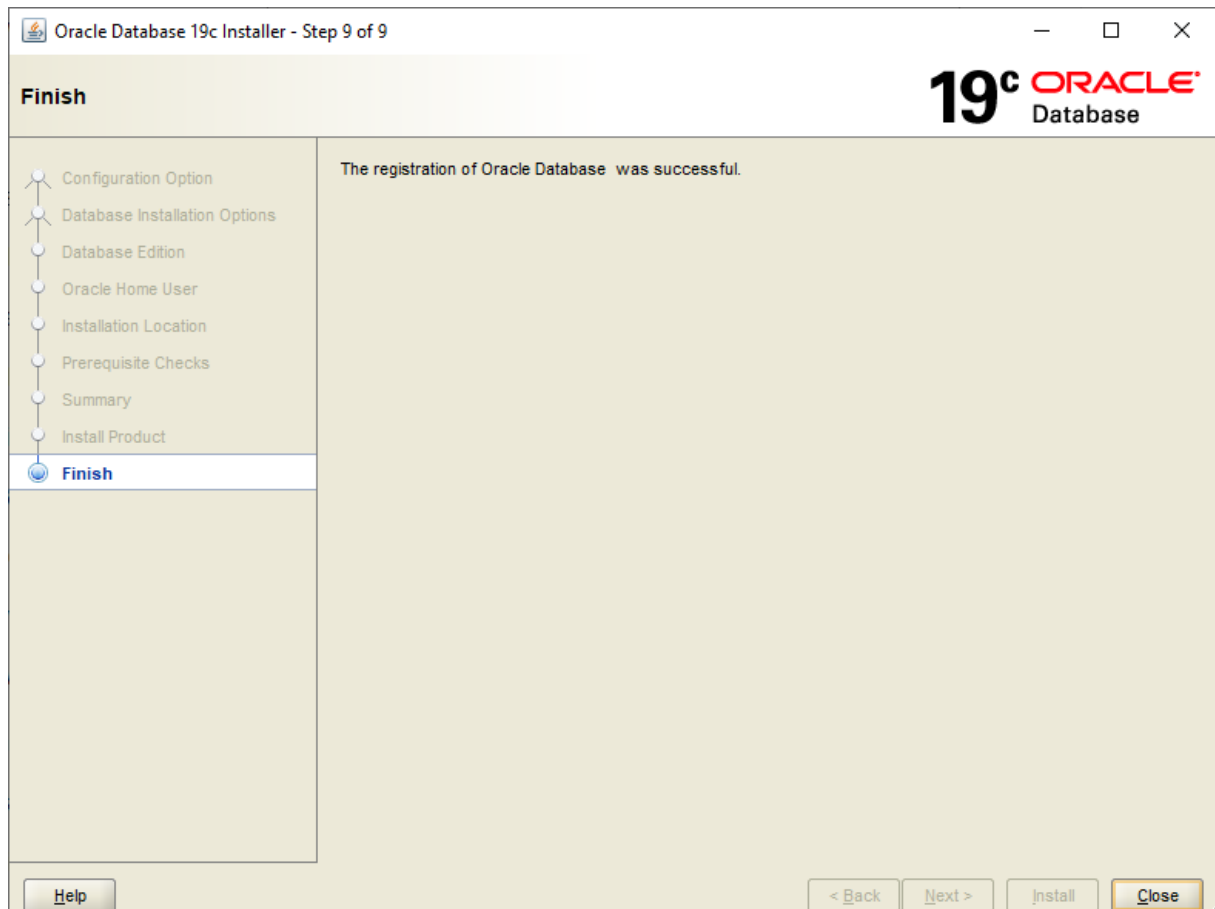
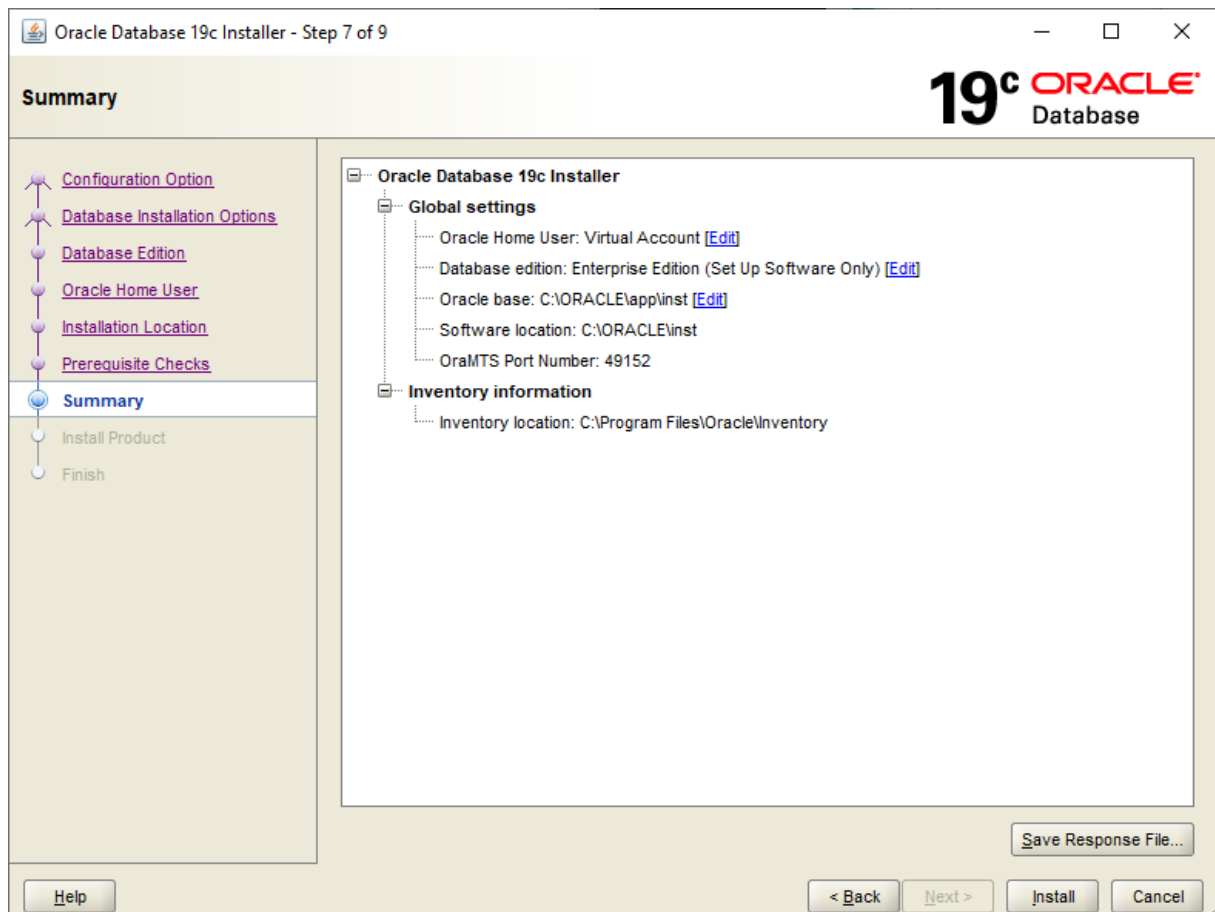
Help

< Back

Next >

Install

Cancel



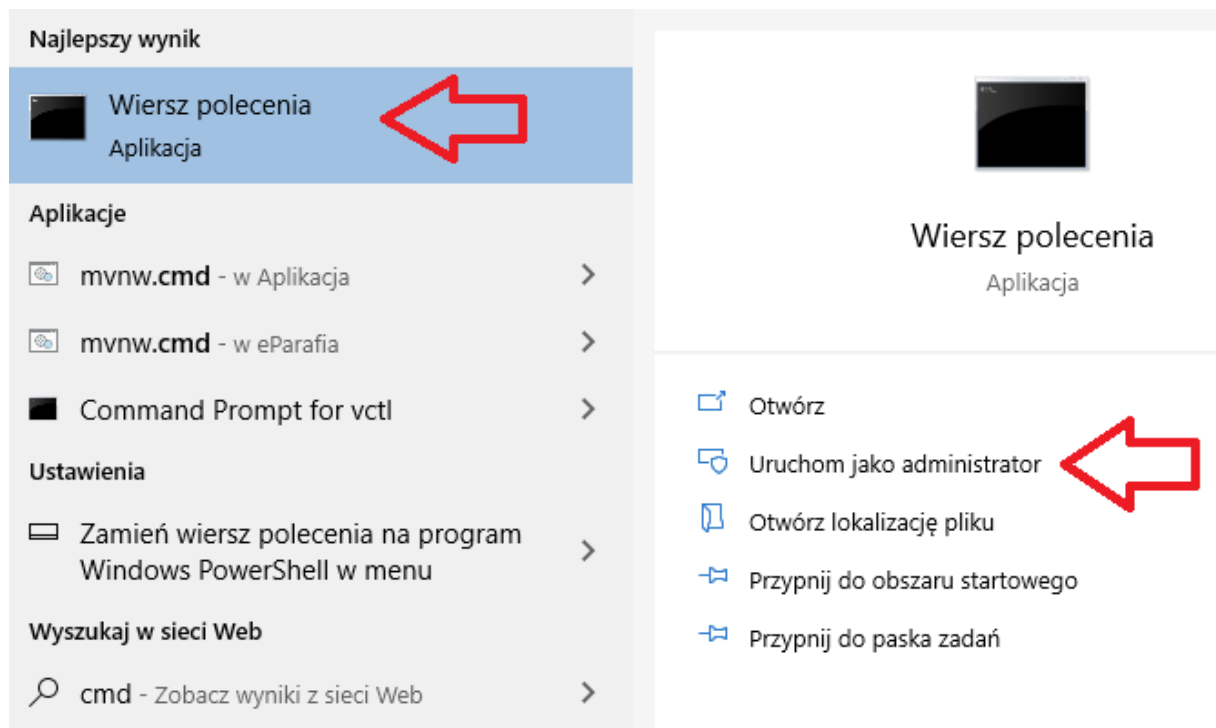
Instalacja instancji i bazy danych:

<https://alekciss.com/create-an-oracle-database-19c-on-windows/>

1. Uruchom DBCA (Oracle Database Configuration Assistant)

Narzędzie Oracle DBCA jest dostępne po zainstalowaniu oprogramowania Oracle 19c. Aby go uruchomić, musisz zalogować się do systemu Windows jako administrator i użyć jednej z poniższych metod:

- uruchom komendę **dbca** z wiersza poleceń systemu Windows;



Database Configuration Assistant - Application - Step 1 of 14

19c ORACLE Database

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

Select the operation that you want to perform.

☒ Create a database

☐ Configure an existing database

☐ Delete database

☐ Manage templates

☐ Manage Pluggable databases

☐ Oracle RAC database Instance management

Pomoc

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Zakończ

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Database Configuration Assistant - Create a database - Step 2 of 14

19c ORACLE Database

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

☐ Typical configuration

☒ Advanced configuration

Global database name: pd19c.imsi.pl.pl

Storage type: File System

Database files location: {ORACLE_BASE}\oradata\{DB_UNIQUE_NAME} Browse...

Fast Recovery Area (FRA): {ORACLE_BASE}\fast_recovery_area\{DB_UNIQUE_NAME} Browse...

Database character set: AL32UTF8 - Unicode UTF-8, uniwersalny zestaw znaków

Administrative password:

Confirm password:

☐ Create as Container database

Pluggable database name:

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

19^c ORACLE[®] Database

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

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	View details
<input checked="" type="radio"/>	General Purpose or Transaction Processing	Yes	View details
<input type="radio"/>	Custom Database	No	View details

Template location: C:\ORACLE\inst\assistants\dbc\templates

Change...

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

19c ORACLE Database

Specify Database Identification Details

- 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

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:

SID:

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:

PDB name:

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Database Configuration Assistant - Create 'pd19c' database - Step 5 of 14

19c 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 (General Purpose or Transaction Processing).

☐ 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:

Database files location: 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)

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Select Fast Recovery 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

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: 8256 MB

☐ Enable archiving Edit archive mode parameters...

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Database Configuration Assistant - Create 'pd19c' database - Step 7 of 14

Specify Network Configuration Details

19^c 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: C:\ORACLE\inst

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Database Configuration Assistant - Create 'pd19c' database - Step 8 of 15

Select Oracle Data Vault Config Option

19^c ORACLE Database

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

☐ Configure Oracle Database Vault

Database Vault owner: Password: Confirm password:

☐ Create a separate account manager

Account manager: Password: Confirm password:

☐ Configure Oracle Label Security

☐ Configure Oracle Label Security with OJD

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Database Configuration Assistant - Create 'pd19c' database - Step 9 of 15

Specify Configuration Options

19^c ORACLE[®] Database

Database Operation
Creation Mode
Deployment Type
Database Identification
Storage Option
Fast Recovery Option
Network Configuration
[Data Vault Option](#)
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: 4882 MB

PGA Size: 1628 MB

390 6510 16277

☐ 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: 6510 MB

390 6510 16277 39%

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Database Configuration Assistant - Create 'pd19c' database - Step 9 of 15

Specify Configuration Options

19^c ORACLE[®] Database

Database Operation
Creation Mode
Deployment Type
Database Identification
Storage Option
Fast Recovery Option
Network Configuration
[Data Vault Option](#)
Configuration Options
[Management Options](#)
User Credentials
Creation Option
Summary
Progress Page
Finish

Memory Sizing **Character sets** Connection mode Sample schemas

The database character set determines how character data is stored in the database.

☒ Use Unicode (AL32UTF8)

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

☐ Use OS character set (EE8MSWIN1250)

Character set is based on the language setting of this operating system.

☐ Choose from the list of character sets

Database character set: AL32UTF8 - Unicode UTF-8, uniwersalny zestaw znaków

☒ Show recommended character sets only

National character set: AL16UTF16 - Unicode UTF-16, uniwersalny zestaw znaków

Default language: Polski

Default territory: Polska

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Database Configuration Assistant - Create 'pd19c' database - Step 9 of 15

Specify Configuration Options

19^c ORACLE[®] Database

Database Operation

Creation Mode

Deployment Type

Database Identification

Storage Option

Fast Recovery Option

Network Configuration

Data Vault Option

Configuration Options

Management Options

User Credentials

Creation Option

Summary

Progress Page

Finish

Memory

Sizing

Character sets

Connection mode

Sample schemas

☐ Dedicated server mode

The database will allocate a dedicated resource for each client connection in this mode. 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

The database will use a shared pool of allocated resources for all client connections in this mode. Use this mode when a large number of users need to connect to the database simultaneously while efficiently utilizing system resources.

Specify the number of Shared Servers, which will be the number of processes that will be created when the instance is started.

Shared servers:

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Database Configuration Assistant - Create 'pd19c' database - Step 9 of 15

Specify Configuration Options

19^c ORACLE[®] Database

Database Operation

Creation Mode

Deployment Type

Database Identification

Storage Option

Fast Recovery Option

Network Configuration

Data Vault Option

Configuration Options

Management Options

User Credentials

Creation Option

Summary

Progress Page

Finish

Memory

Sizing

Character sets

Connection mode

Sample schemas

Installing sample schema configures the Human Resources schema. The contents are stored under the SYSAUX tablespace.

☒ Add sample schemas to the database

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Database Configuration Assistant - Create 'pd19c' database - Step 10 of 15

Specify Management Options

Database Operation

Creation Mode

Deployment Type

Database Identification

Storage Option

Fast Recovery Option

Network Configuration

Data Vault Option

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

O_MS host:

O_MS port:

EM admin username:

EM admin password:

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Database Configuration Assistant - Create 'pd19c' database - Step 11 of 15

Specify Database User Credentials

Database Operation

Creation Mode

Deployment Type

Database Identification

Storage Option

Fast Recovery Option

Network Configuration

Data Vault Option

Configuration Options

Management Options

User Credentials

Creation Option

Summary

Progress Page

Finish

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:

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Database Configuration Assistant - Create 'pd19c' database - Step 12 of 15

19c ORACLE Database

Database Operation

Creation Mode

Deployment Type

Database Identification

Storage Option

Fast Recovery Option

Network Configuration

Data Vault Option

Configuration Options

Management Options

User Credentials

Creation Option

Summary

Progress Page

Finish

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: C:\ORACLE\SCOTT.txt
Browse...

☐ **Save as a database template**

Template name: dbca_template_2020-10-05_11-57-58AM

Template location: C:\ORACLE\inst\assistants\dbca\templates\
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...

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Database Configuration Assistant - Create 'pd19c' database - Step 14 of 15

19c ORACLE Database

Database Operation

Creation Mode

Deployment Type

Database Identification

Storage Option

Fast Recovery Option

Network Configuration

Data Vault Option

Configuration Options

Management Options

User Credentials

Creation Option

Summary

Progress Page

Finish

Progress

9%

Copying database files : In Progress

Status

DB Creation

In Progress

• Prepare for db operation

Succeeded

• Copying database files

In Progress

• Creating and starting Oracle instance

Pending

• Completing Database Creation

Pending

• Executing Post Configuration Actions

Pending

• Running Custom Scripts

Pending

Details
Revert All
Revert
Retry
Skip

DBCA Log Location:
C:\ORACLE\app\inst\cfgtoollogs\dbca\pd19c\trace_log_2020-10-05_11-57-58AM

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