

# Bazy danych

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# Wykład 4

Instalacja serwera bazy danych

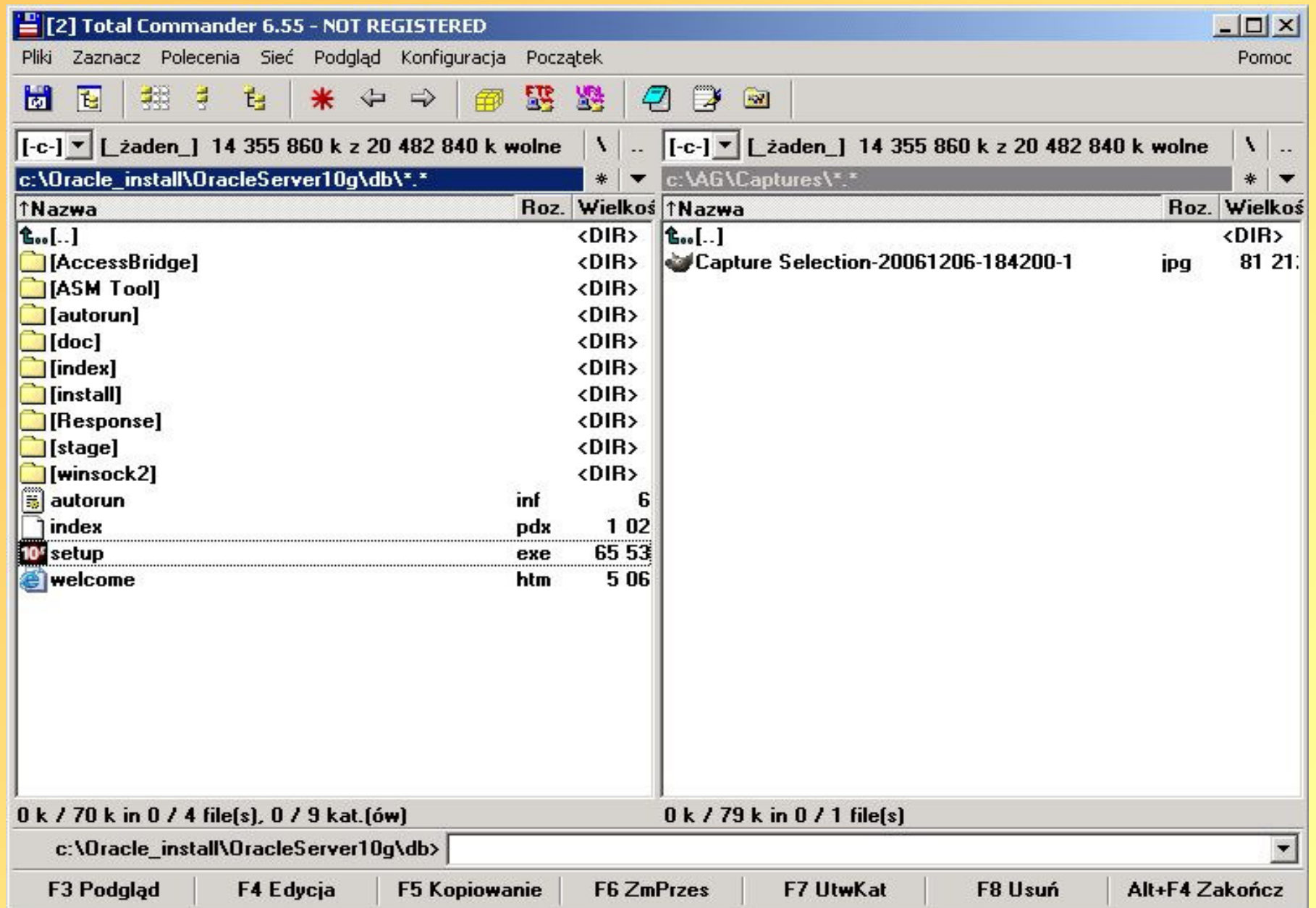
Oracle 10g

na komputerach z procesorami 32-bitowymi  
obsługiwanych przez system operacyjny  
Windows

# Minimalne wymagania sprzętowe:

- Procesor: przynajmniej Pentium III **400 MHz**  
lub kompatybilny;
  - Pamięć operacyjna: przynajmniej **512 MB**,  
choć możliwa jest instalacja nawet przy **256 MB**,  
ale wówczas nie można utworzyć bazy danych  
w trakcie instalacji;
  - Pamięć dyskowa: 0.8 GB ← System zarządzanie BD  
+ 1.7 GB ← Baza danych (Enterprise)
- W sumie około: **2.5 GB**

- Przed instalacją serwera bazy danych Oracle należy mieć poprawnie skonfigurowany w systemie operacyjnym protokół TCP/IP, który jest podstawowym protokołem komunikacyjnym dla serwerów Oracle poczynając od serwera Oracle 8i.
- Jeśli jakiś komputer łączy się z internetem za pomocą łącza dynamicznego (poprzez protokół DHCP), to najlepiej wyłączyć połączenie internetowe w systemie operacyjnym i zainstalować serwer Oracle 10g na tzw. hoście lokalnym (localhost), któremu przypisany jest standardowo adres IP: 127.0.0.1



```
Oracle Universal Installer
Starting Oracle Universal Installer...

Checking installer requirements...

Checking operating system version: must be 4.0, 5.0, 5.1 or 5.2.      Actual 5.0
                                     Passed

Checking monitor: must be configured to display at least 256 colors.  Actual 6
5536      Passed

All installer requirements met.

Preparing to launch Oracle Universal Installer from C:\DOCUME~1\ADMINI~1\ALF\UST
AWI~1\Temp\OraInstall12006-12-06_06-43-19PM. Please wait ...
```

## Welcome to the Oracle Database 10g Installation

Select the installation method that you want to use.

Basic Installation

Oracle Home Location:

Installation Type:

Create Starter Database (additional 720MB)

Global Database Name:

Database Password:  Confirm Password:

This password is used for the SYS, SYSTEM, SYSMAN, and DBSNMP accounts.

Advanced Installation

Allows advanced selections such as different passwords for the SYS, SYSTEM, SYSMAN, and DBSNMP accounts, database character set, product languages, automated backups, custom installation, and alternative storage options such as Automatic Storage Management.



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ORACLE



## Specify File Locations



### Source

Enter the full path of the file representing the product(s) you want to install:

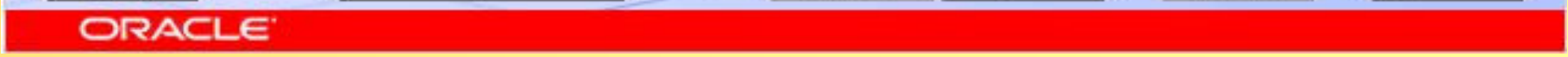
Path:

### Destination

Enter or select a name for the installation and the full path where you want to install the product.

Name:

Path:



## Select Installation Type

### Oracle Database 10g 10.1.0.2.0

What type of installation do you want?

Enterprise Edition (828MB)

Oracle Database 10g Enterprise Edition, the first database designed for the grid, is a self-managing database that has the scalability, performance, high availability and security features required to run the most demanding, mission critical applications.

Standard Edition (813MB)

Oracle Database 10g Standard Edition is ideal for workgroups, departments and small-to-medium sized businesses looking for a lower-cost offering.

Personal Edition (824MB)

Supports single user development and deployment that require full compatibility with Oracle Enterprise Edition 10g and Oracle Standard Edition 10g.

Custom

Enables you to choose individual components to install.

Product Languages...

Help

Installed Products...

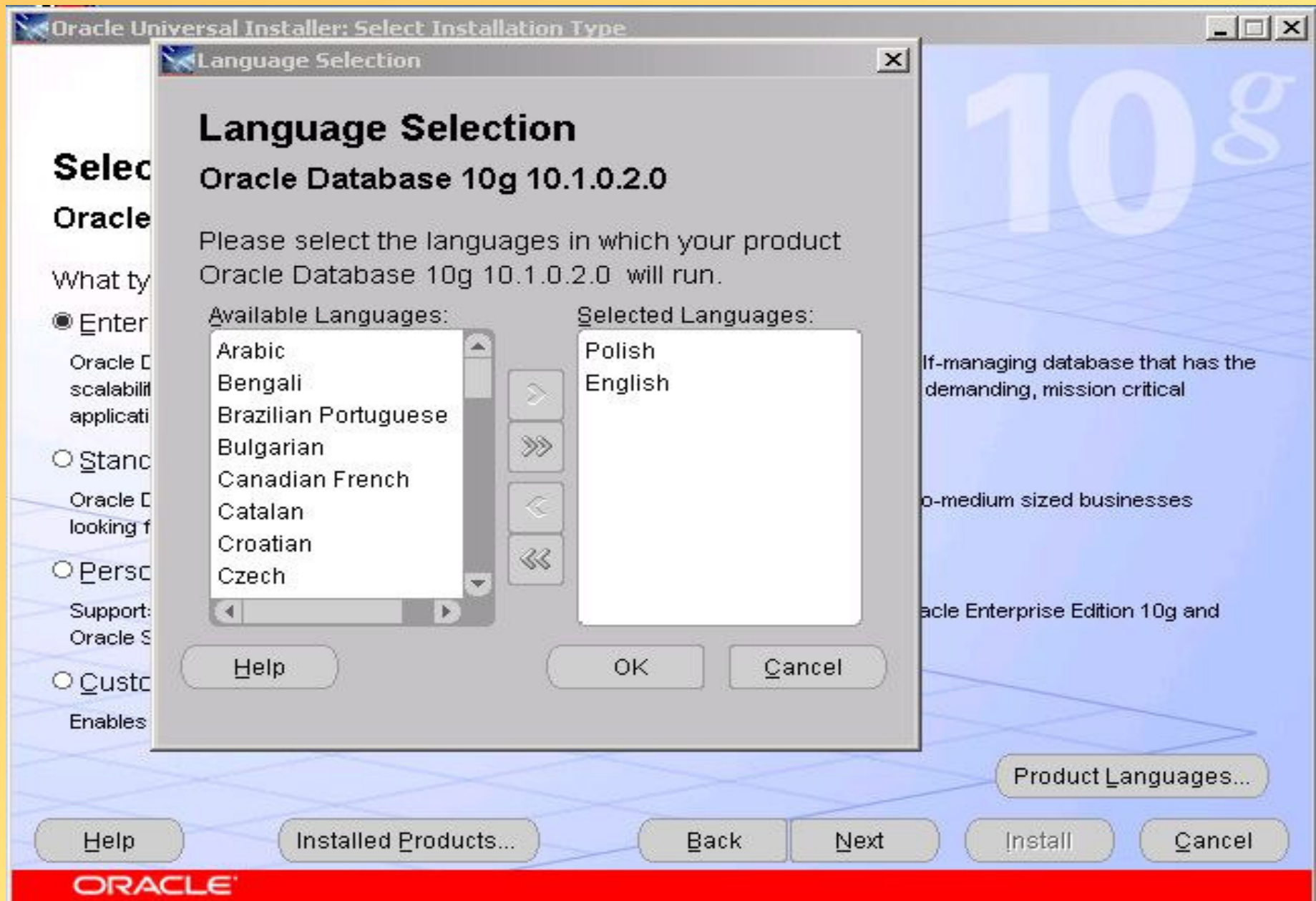
Back

Next

Install

Cancel

ORACLE





## Select Database Configuration

You can choose either to create a database as part of this installation or install just the software necessary to run a database, and perform any database configuration later. If you want to create a database as part of this installation the Oracle Database Configuration Assistant will be launched automatically at the end of the install to create a database of the type selected.

Select the configuration options that suits your needs.

Create a starter database

Select the type of starter database you wish to create.

General Purpose

A starter database designed for general purpose usage.

Transaction Processing

A starter database optimized for transaction-heavy applications.

Data Warehouse

A starter database optimized for data warehousing applications.

Advanced

Allows you to customize the configuration of your starter database.

Do not create a starter database

Help

Installed Products...

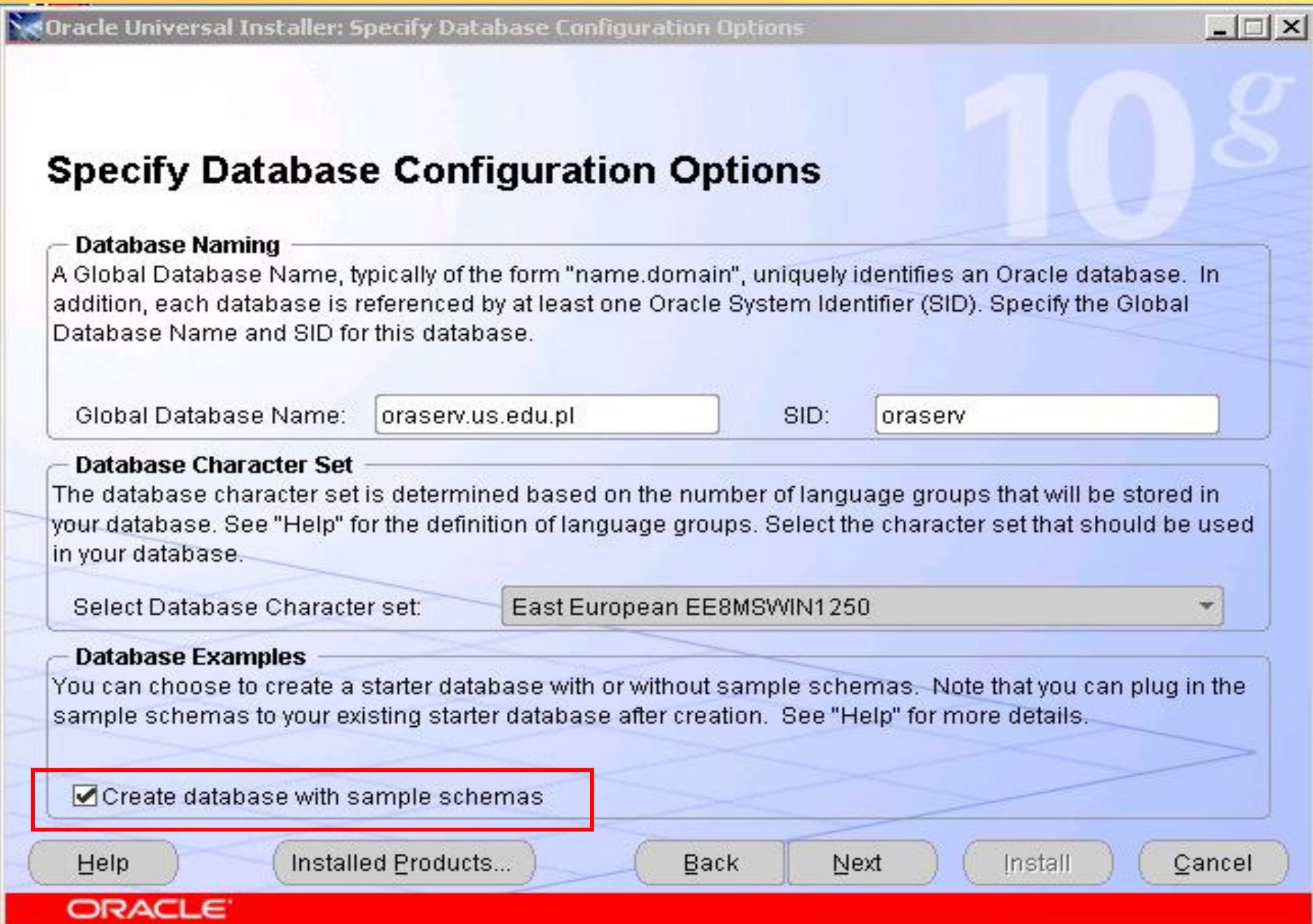
Back

Next

Install

Cancel

ORACLE





Oracle Universal Installer: Select Database Management Option

## Select Database Management Option

Each Oracle Database 10g may be managed centrally using the Oracle Enterprise Manager 10g Grid Control or locally using the Oracle Enterprise Manager 10g Database Control. For Grid Control, specify the Oracle Management Service through which you will centrally manage your database. For Database Control, you may additionally indicate whether you want to receive email notifications for alerts.

Select the management options for your instance.

Use Grid Control for Database Management

Management Service:

Use Database Control for Database Management

Enable Email Notifications

Outgoing Mail (SMTP) Server:

Email Address:

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## Specify Database File Storage Option

Select the storage mechanism you would like to use for database creation.

File System

Use the file system for database storage. For best database organization and performance, Oracle recommends installing database files and Oracle software on separate disks.

Specify Database file location:

C:\oracle\product\10.1.0\oradata

Browse...

Automatic Storage Management (ASM)

Automatic Storage Management simplifies database storage administration and optimizes database layout for I/O performance.

Raw Devices

Raw partitions can also provide the required shared storage for Real Application Clusters (RAC) databases. You will need to create one raw device for each data file, control file, and log file for the starter database and then provide a file that maps specific tablespaces, control files, and log files to raw volumes.

Specify Raw Devices mapping file:

Browse...

Help

Installed Products...

Back

Next

Install

Cancel

ORACLE

Oracle Universal Installer: Specify Backup and Recovery Options

## Specify Backup and Recovery Options

Select whether or not to enable automated backups for your database. Backup Job, if selected, will use the specified recovery area storage.

Do not enable Automated backups

Enable Automated Backups

Recovery Area Storage

File System  
Use the file system for files related to backup and recovery of your database.

Recovery Area Location:

Automatic Storage Management  
Use Automatic Storage Management for files related to backup and recovery.

Backup Job Credentials

Specify the operating system credentials used by the backup job.

Username:  Password:

ORACLE

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ORACLE





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Recovery Area Location:

Automatic Storage Management

Use Automatic Storage Management for files related to backup and recovery.

Backup Job Credentials

Specify the operating system credentials used by the backup job.

Username:

Password:

## Specify Database Schema Passwords

The Starter Database contains pre-loaded schemas, most of which have passwords that will expire and be locked at the end of install. After the install is complete, you must unlock and set new passwords for those accounts you wish to use. Schemas used for the database management and post-install functions are left unlocked, and passwords for these accounts will not expire. Specify the passwords for these accounts.

Use different passwords for these accounts

User Name	Enter Password	Confirm Password
SYS	*****	*****
SYSTEM	*****	*****
SYSMAN	*****	*****

Use the same password for all the accounts

Enter Password:

Confirm Password:

Help

Installed Products...

Back

Next

Install

Cancel

ORACLE



## Specify Database Schema Passwords

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User Name	Enter Password	Confirm Password
SYSTEM	.....	.....
SYSMAN	*****	*****
DBSNMP	*****	*****

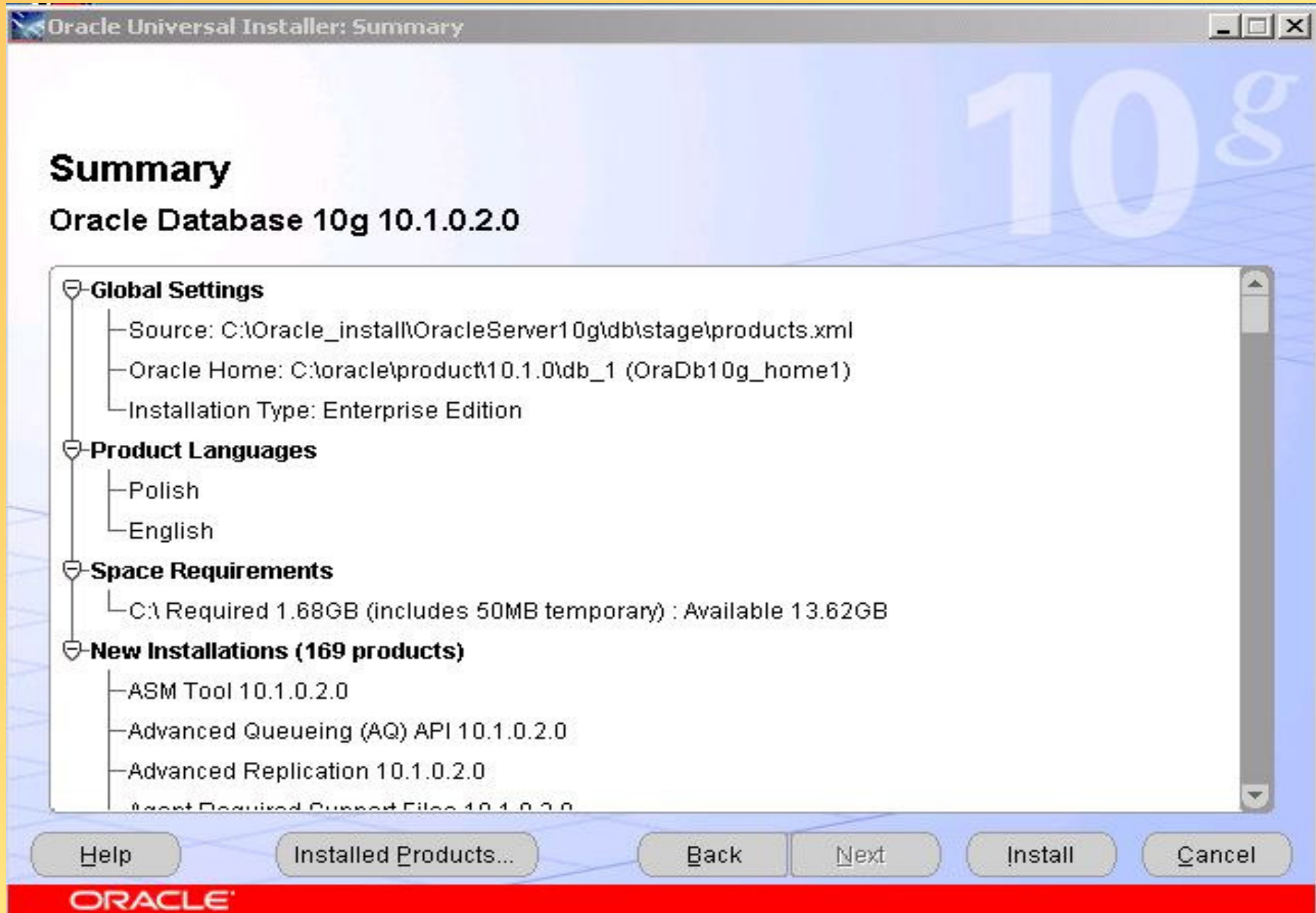
Use the same password for all the accounts

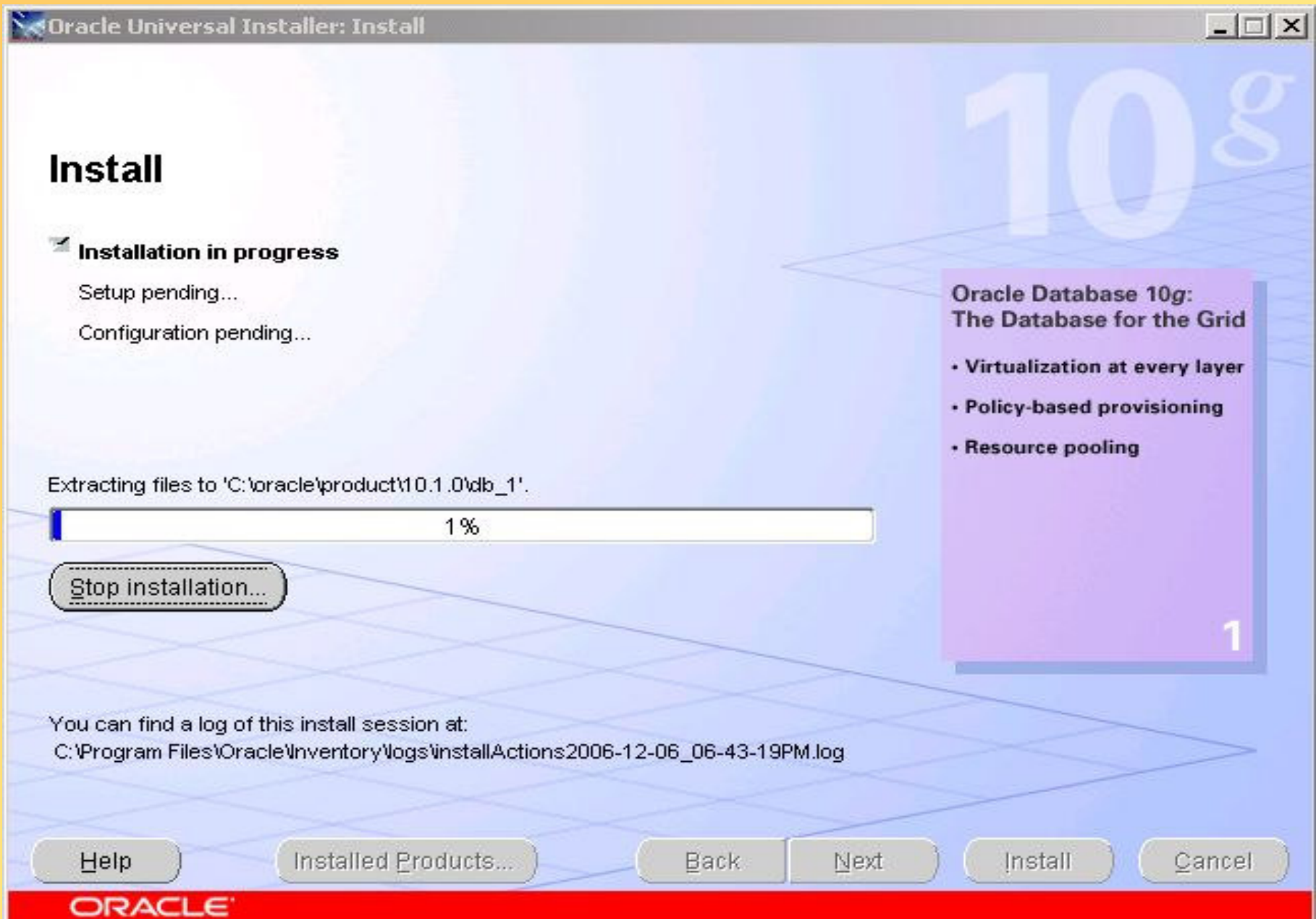
Enter Password:  Confirm Password:

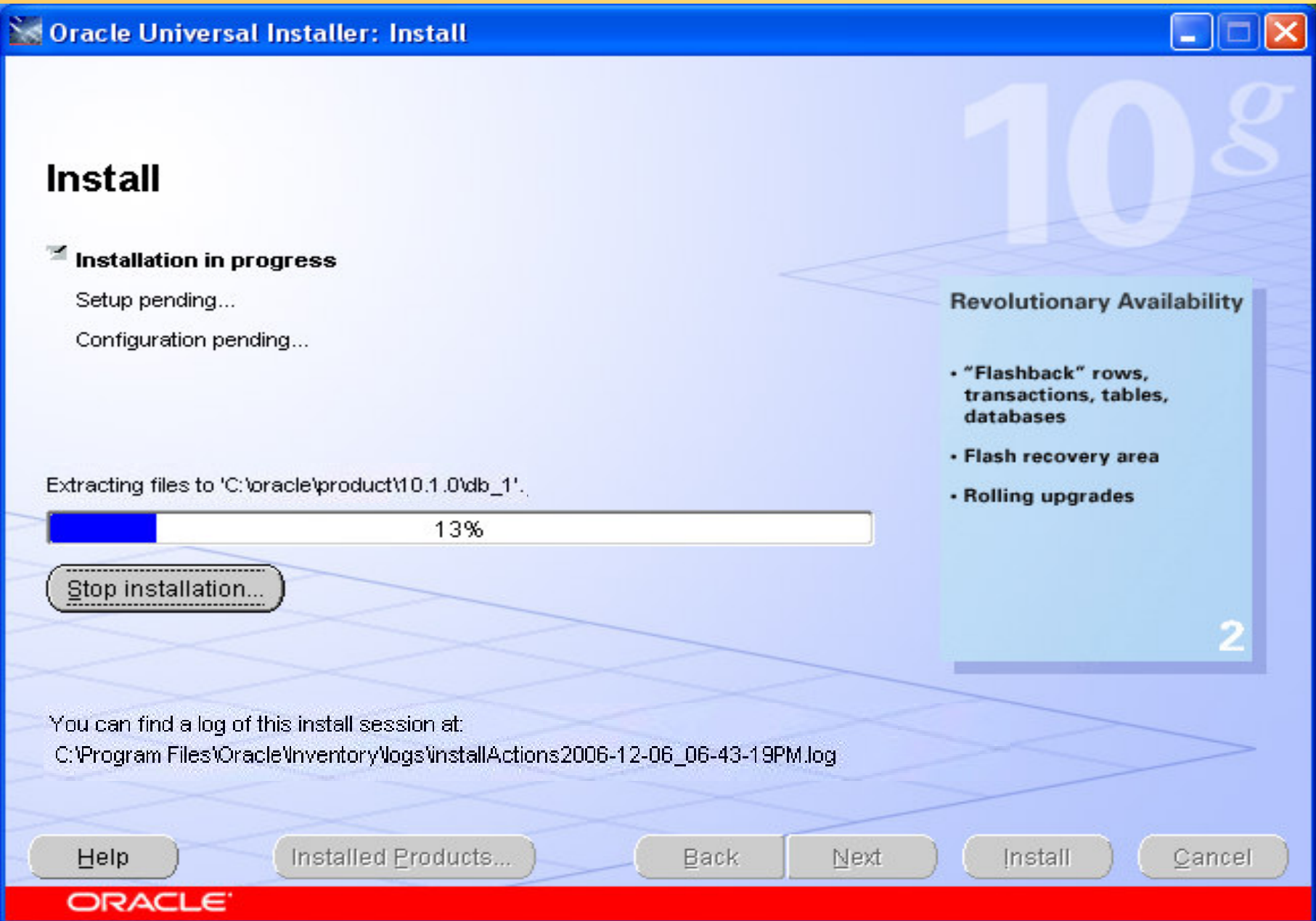
- Help
- Installed Products...
- Back
- Next
- Install
- Cancel

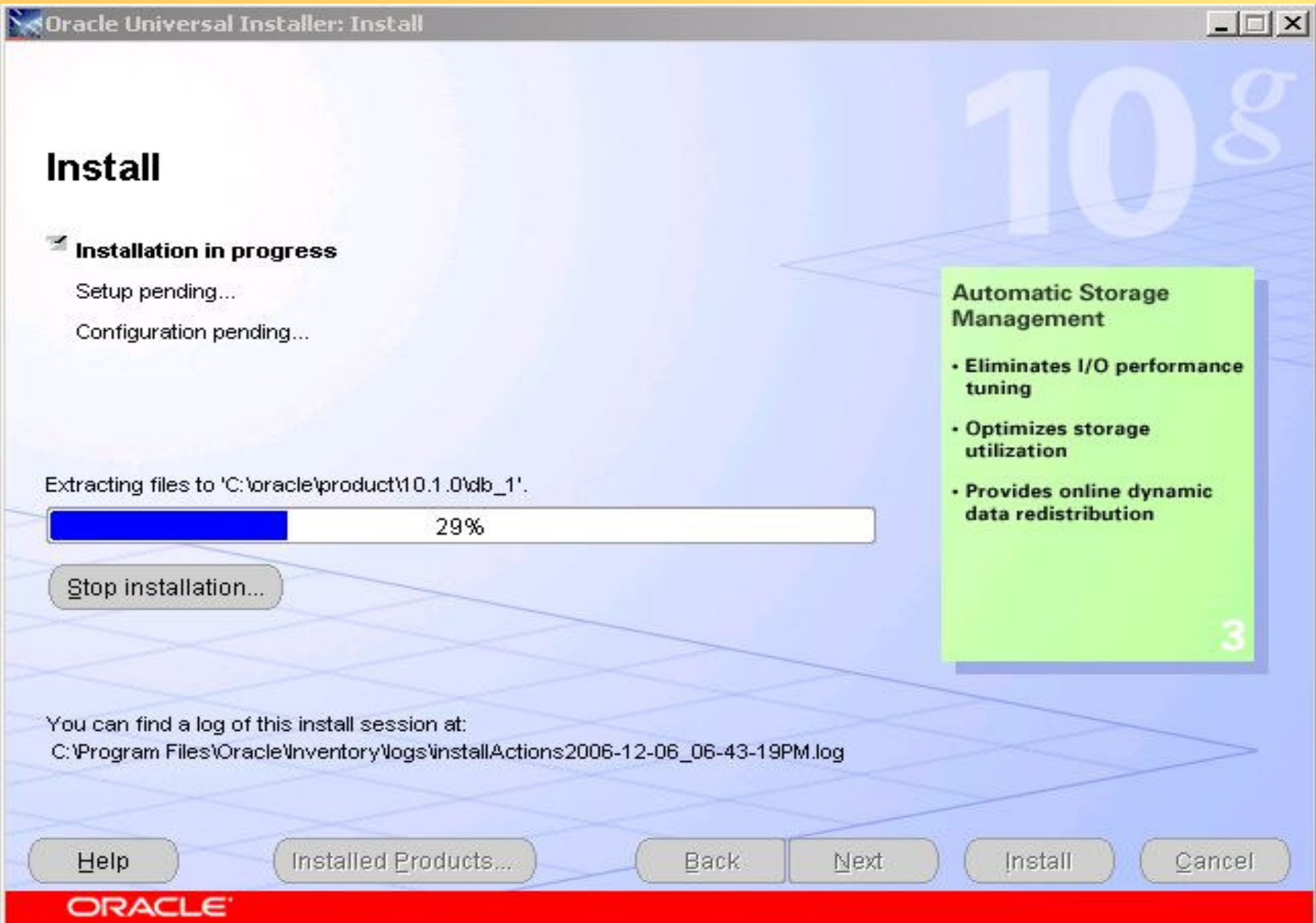












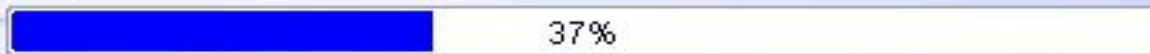


# Install

## Copying files for 'Oracle Data Mining 10.1.0.2.0'

Setup pending...  
Configuration pending...

copying 'dmocb.plb'



Stop installation...

You can find a log of this install session at:  
C:\Program Files\Oracle\Inventory\logs\installActions2006-12-06\_06-43-19PM.log

### Real Application Clusters for Everyone

- Complete, integrated clusterware
- Automatic workload management
- Essential foundation for enterprise grids

4

Help

Installed Products...

Back

Next

Install

Cancel

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Oracle Universal Installer: Install

**CSS (Cluster Synchronization Service) – usługa synchronizacji klastra baz danych, która jest bardzo ważna tylko dla baz typu RAC & ASM.**

## Install

Copying files for 'CSS Single-instance Common Files 10.1.0.2.0 '  
Setup pending...  
Configuration pending...

creating file 'C:\oracle\product\10.1.0\db\_1\data\localhost\local.ocr'

43%

Stop installation...

You can find a log of this install session at:  
C:\Program Files\Oracle\Inventory\logs\installActions2006-12-06\_06-43-19PM.log

Help Installed Products... Back Next Install Cancel

ORACLE

Warning

Failed to initialize OCR.

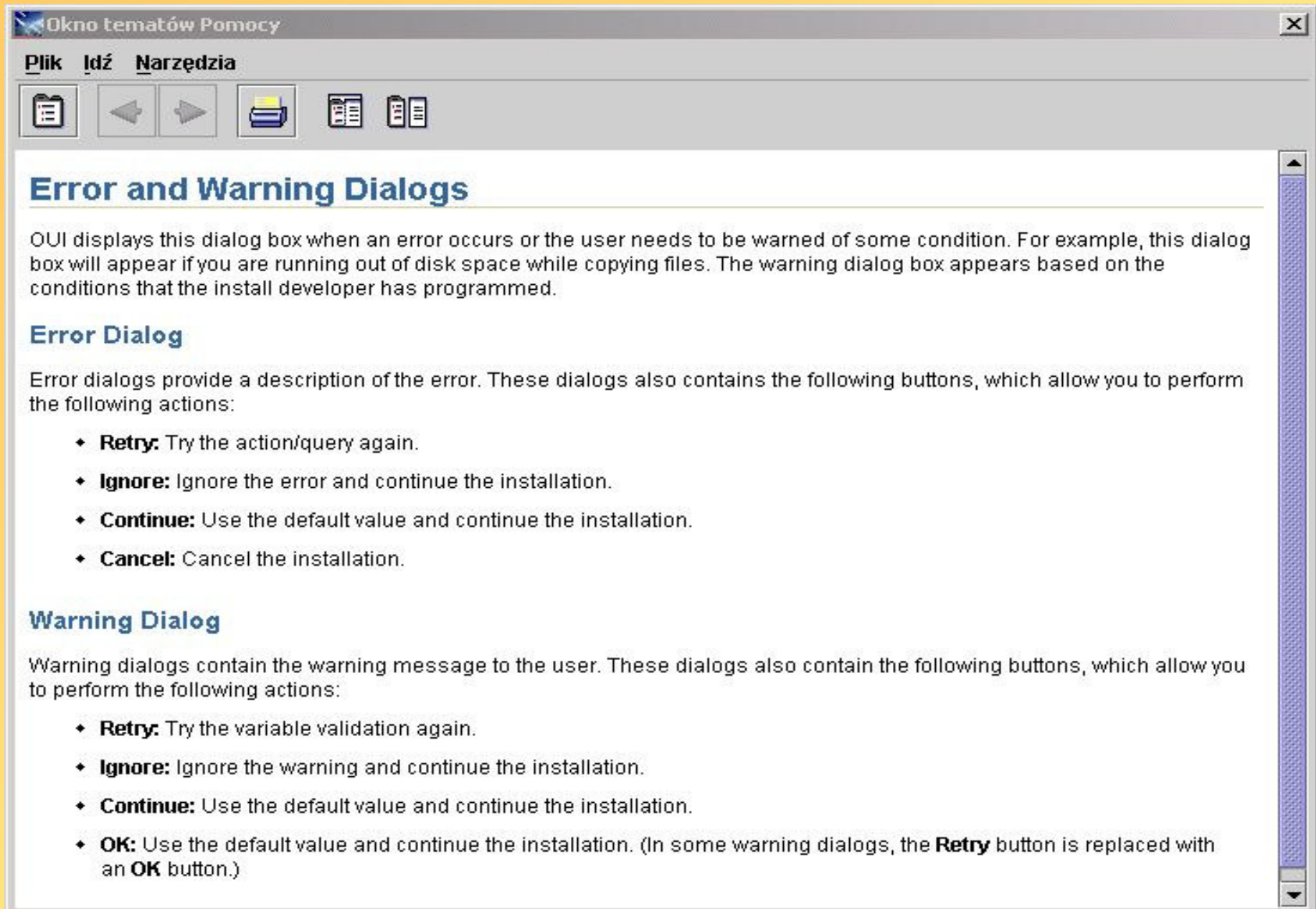
Click Help for more information.  
Click OK to continue.

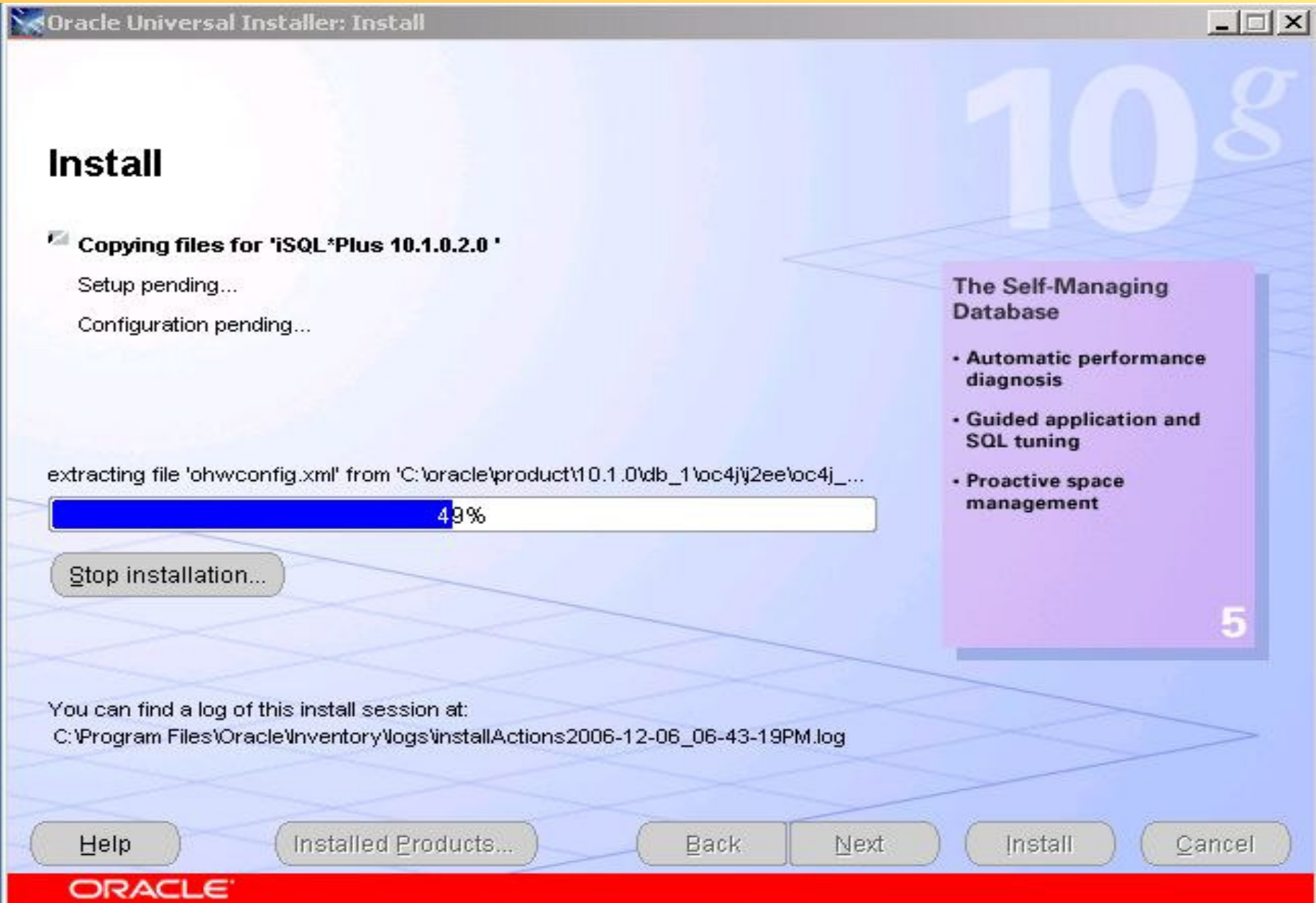
Help OK

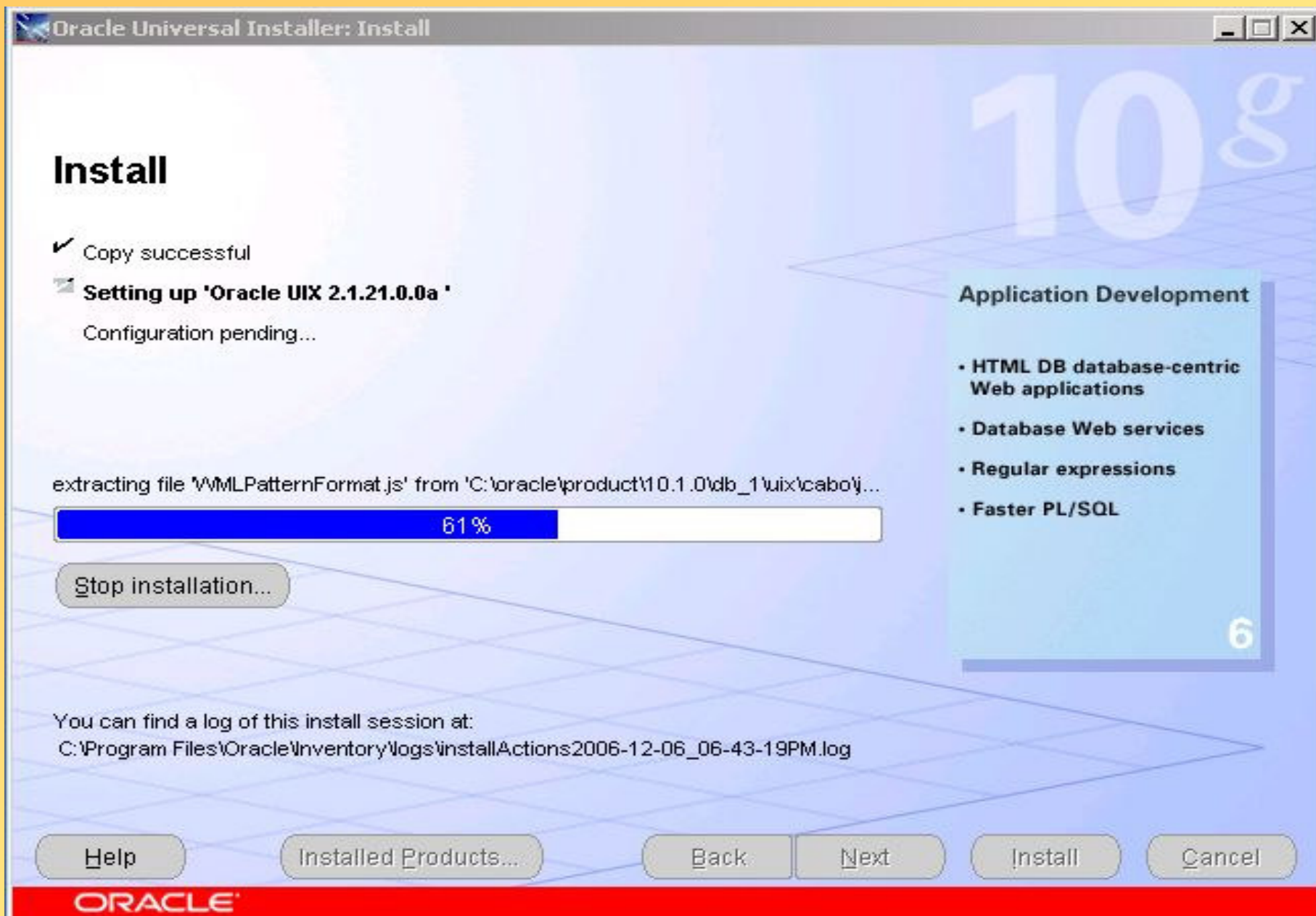
- Automatic workload management
- Essential foundation for enterprise grids

4







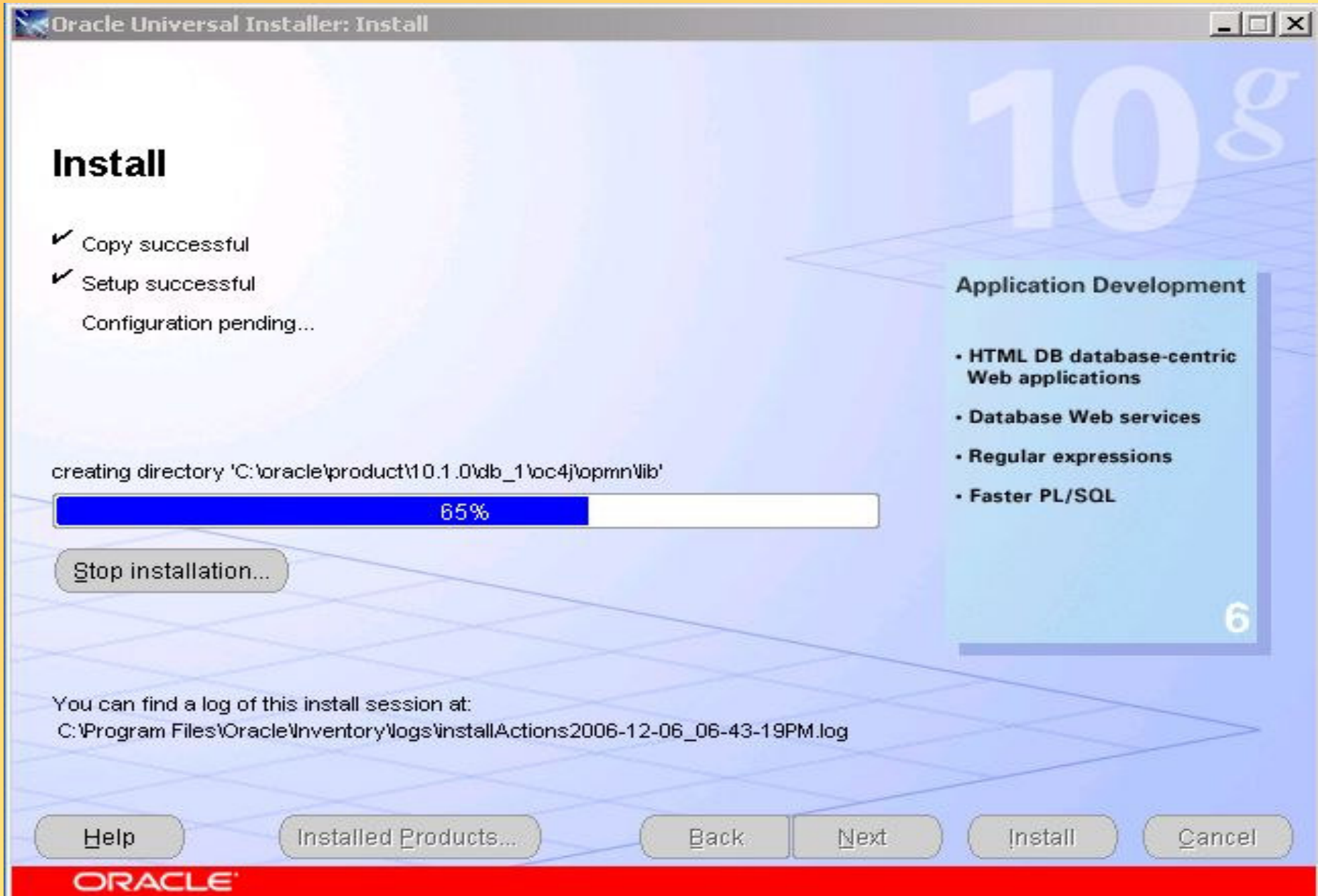


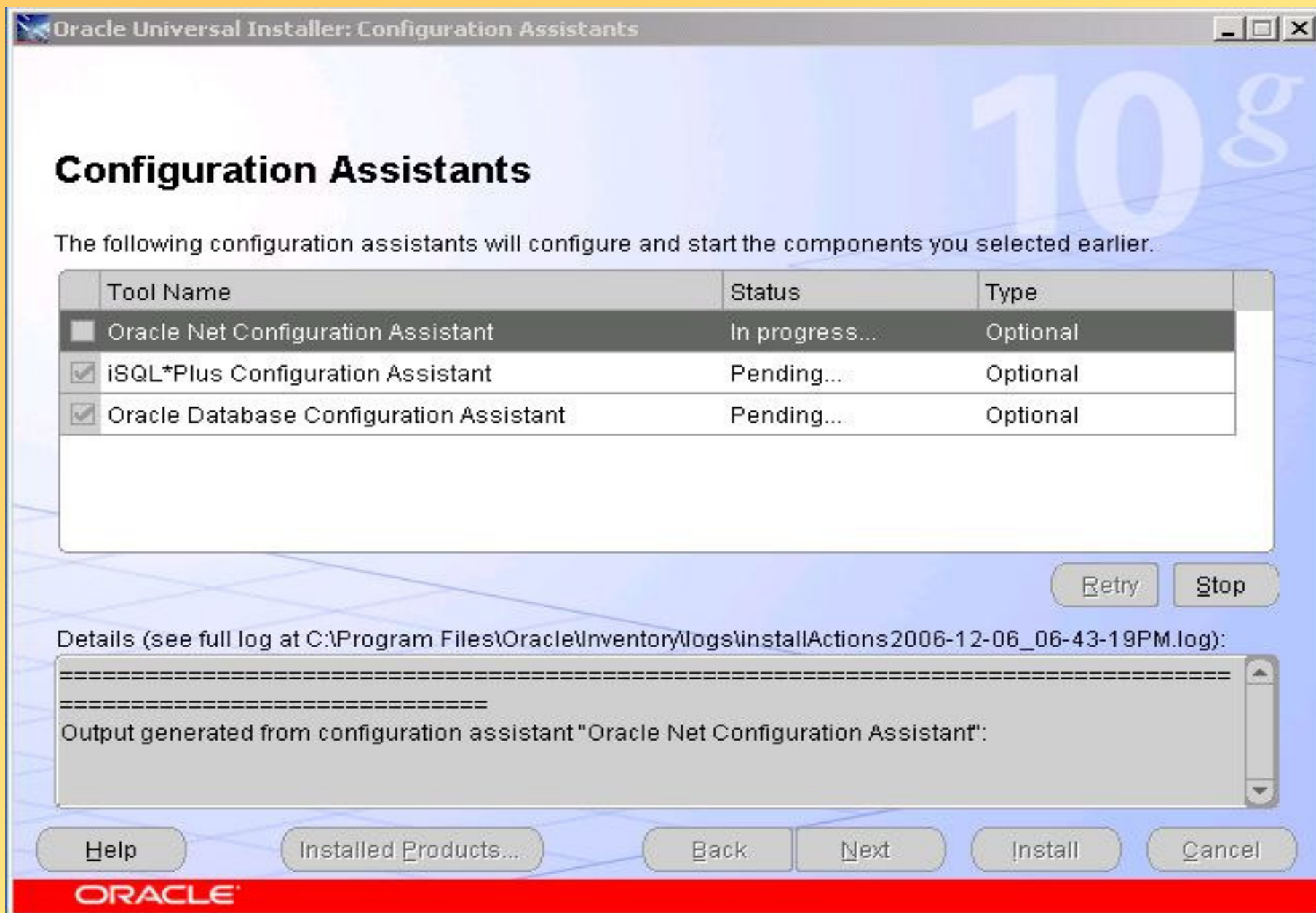
The screenshot shows the Oracle Universal Installer window titled "Oracle Universal Installer: Install". The main window has a blue background with a grid pattern. On the left, under the heading "Install", there are two steps: "Copy successful" with a checkmark, and "Setting up 'CSS Single-instance Common Files 10.1.0.2.0'" with a folder icon and the text "Configuration pending...". Below this, a progress bar is labeled "starting service 'OracleCSService'" and shows 64% completion. A "Stop installation..." button is visible below the progress bar. At the bottom of the main window, there is a log file path: "C:\Program Files\Oracle\Inventory\logs\installActions2006-12-06\_06-43-19PM.log". At the very bottom, there is a red bar with the Oracle logo and several navigation buttons: "Help", "Installed Products...", "Back", "Next", "Install", and "Cancel".

An "Error" dialog box is overlaid on the main window. It contains the following text: "OS error in starting service OracleCSService". Below this, it provides instructions: "Click Help for more information.", "Click Retry to try again.", "Click Ignore to ignore this error and go on.", and "Click Cancel to stop this installation.". At the bottom of the dialog box, there are four buttons: "Help", "Retry" (which is highlighted with a red rectangle), "Ignore", and "Cancel".

On the right side of the main window, there is a blue sidebar with the text "Regular expressions" and "Faster PL/SQL". At the bottom of this sidebar, there is a large white number "6".









## Configuration Assistants

The following configuration assistants will configure and start the components you selected earlier.

Tool Name	Status	Type
<input type="checkbox"/> Oracle Net Configuration Assistant	In progress...	Optional
<input checked="" type="checkbox"/> iSQL*Plus Configuration Assistant	Pending...	Optional
<input checked="" type="checkbox"/> Oracle Database Configuration Assistant	Pending...	Optional

Retry Stop

Details (see full log at C:\Program Files\Oracle\Inventory\logs\installActions2006-12-06\_06-43-19PM.log):

```
Parameter "nodeinfo" = NO_VALUE  
Parameter "responsefile" = C:\oracle\product\10.1.0\db_1\network\install\netca_typ.rsp  
Done parsing command line arguments.  
Oracle Net Services Configuration:
```

Help Installed Products... Back Next Install Cancel



# Informacja o wynikach działania Oracle Net Configuration Assistant

=====  
Output generated from configuration assistant "Oracle Net Configuration Assistant":

Parsing command line arguments:

Parameter "orahome" = C:\oracle\product\10.1.0\Db\_1

Parameter "orahnam" = OraDb10g\_home1

Parameter "instype" = typical

Parameter "inscomp" = client,oraclenet,javavm,server,ano

Parameter "insprtcl" = tcp,nmp

Parameter "cfg" = local

Parameter "authadp" = NO\_VALUE

Parameter "nodeinfo" = NO\_VALUE

Parameter "responsefile" = C:\oracle\product\10.1.0\Db\_1\network\install\netca\_typ.rsp

Done parsing command line arguments.

Oracle Net Services Configuration:

Profile configuration complete.

Oracle Net Listener Startup:

Running Listener Control:

**C:\oracle\product\10.1.0\Db\_1\bin\lsnrctl start LISTENER**

Listener Control complete.

Listener started successfully.

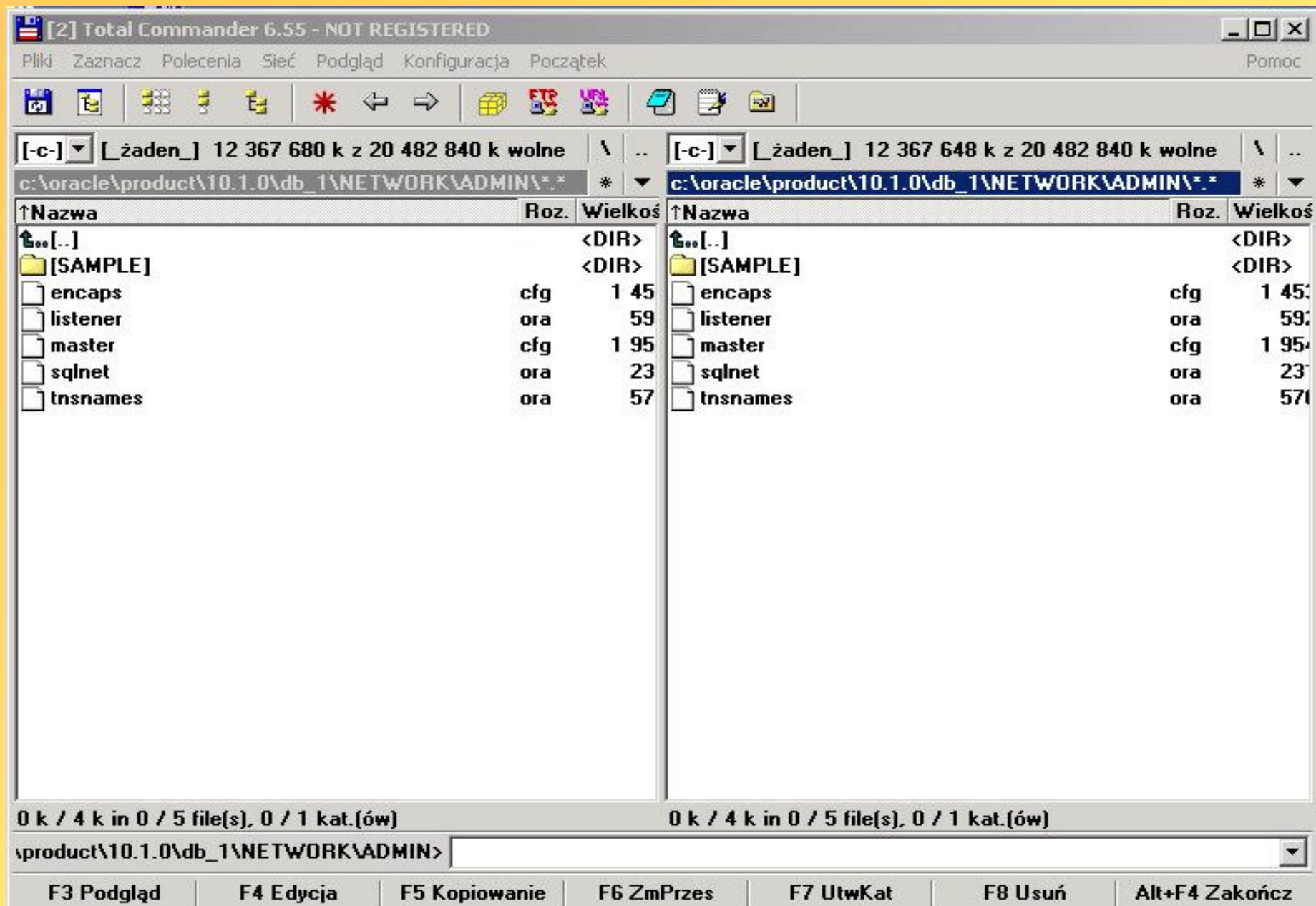
Setting Listener service to start automatically.

Listener configuration complete.

Default local naming configuration complete.

Oracle Net Services configuration successful. The exit code is 0

Configuration assistant "Oracle Net Configuration Assistant" succeeded



## Wygenerowany plik SQLNET.ORA

# sqlnet.ora Network Configuration File: C:\oracle\product\10.1.0\Db\_1\NETWORK\ADMIN\sqlnet.ora

# Generated by Oracle configuration tools.

SQLNET.AUTHENTICATION\_SERVICES= (NTS)

NAMES.DIRECTORY\_PATH= (EZCONNECT, TNSNAMES)

**SQLNET.AUTHENTICATION\_SERVICES = (NTS)**

oznacza, że Oracle zezwala na używanie specyficznej dla systemów **NT** autentykacji, aby uwierzytelniać użytkowników. Najczęściej można usunąć ten parametr, np. przez ujęcie go w komentarz w pliku SQLNET.ORA:

**# SQLNET.AUTHENTICATION\_SERVICES = (NTS)**

Jednak wówczas nie można będzie logować się jako **SYSDBA** bez hasła, czego i tak nie powinniśmy robić.

### Wybrane protokoły usług nazw sieciowych:

**EZCONNECT (External Procedures Connection Data)** – umożliwia łączenie zewnętrznych procedur z serwerem bazy danych Oracle

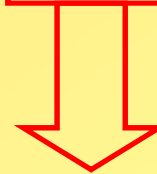
**TNSNAMES (Transparent Network Substrate Names)** – podstawowy protokół usług nazw sieciowych Oracle'a, umożliwiający lokalizację serwera oraz opcjonalnie kierowanie ruchu, szyfrowanie i podpisywanie danych

# Wygenerowany plik LISTENER.ORA

```
# listener.ora Network Configuration File: C:\oracle\product\10.1.0\Db_1\NETWORK\ADMIN\listener.ora  
# Generated by Oracle configuration tools.
```

```
SID_LIST_LISTENER =  
  (SID_LIST =  
    (SID_DESC =  
      (SID_NAME = PLSExtProc)  
      (ORACLE_HOME = C:\oracle\product\10.1.0\Db_1)  
      (PROGRAM = extproc)  
    )  
    (SID_DESC =  
      (GLOBAL_DBNAME = oraserv.us.edu.pl)  
      (ORACLE_HOME = C:\oracle\product\10.1.0\Db_1)  
      (SID_NAME = oraserv)  
    )  
  )  
  
LISTENER =  
  (DESCRIPTION =  
    (ADDRESS = (PROTOCOL = TCP)(HOST = oracle.pkif.us.edu.pl)(PORT = 1521))  
  )
```

**Przy dynamicznym łączu internetowym (DHCP), gdy instalację serwera bazy Oracle przeprowadzono na tzw. hoście lokalnym, powinniśmy wpisać parameter **HOST = localhost**, a nie faktyczną nazwę komputera**





# Wygenerowany plik TNSNAMES.ORA

```
# tnsnames.ora Network Configuration File: D:\oracle\product\10.1.0\Db_2\NETWORK\ADMIN\tnsnames.ora  
# Generated by Oracle configuration tools.
```

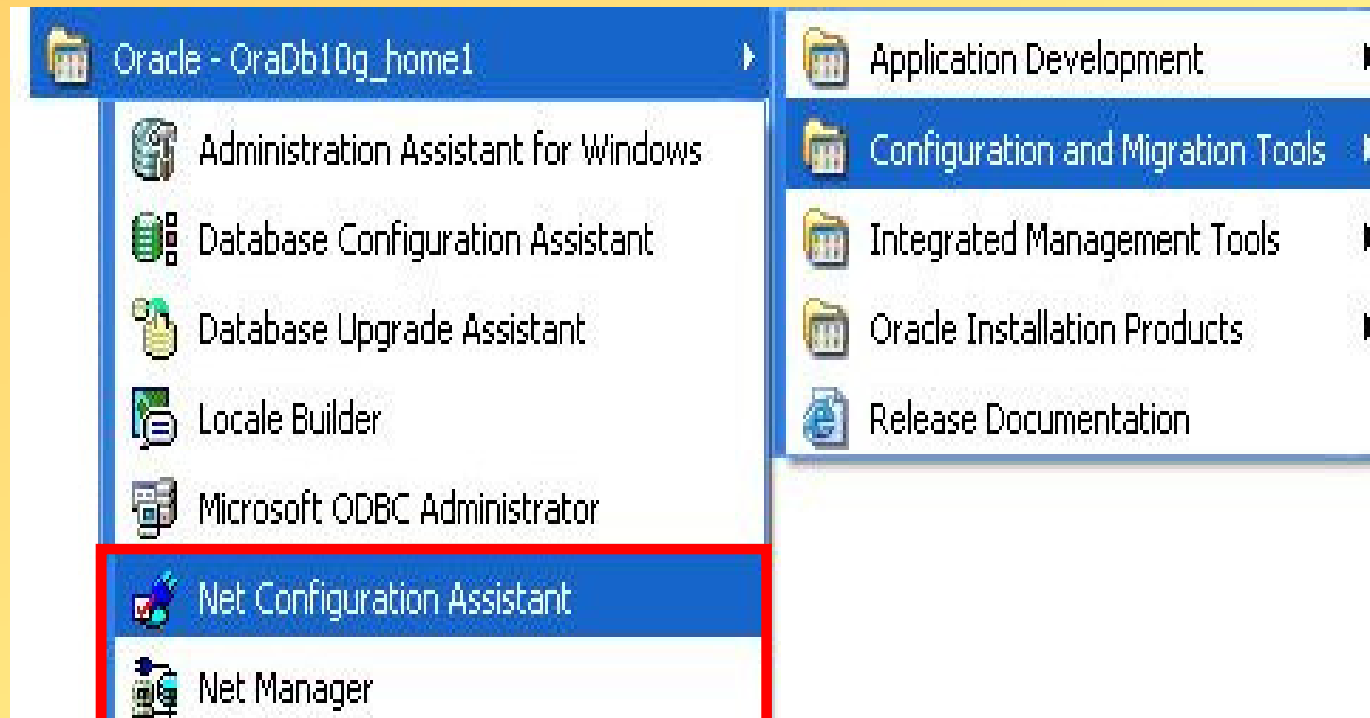
```
ORASERV =
```

```
(DESCRIPTION =  
  (ADDRESS_LIST =  
    (ADDRESS = (PROTOCOL = TCP)(HOST = oracle.pkif.us.edu.pl)(PORT = 1521))  
  )  
  (CONNECT_DATA =  
    (SERVER = DEDICATED)  
    (SERVICE_NAME = oraserv)  
    (INSTANCE_NAME = oraserv)  
    (GLOBAL_NAME = oraserv.us.edu.pl)  
  )  
)
```

```
EXTPROC_CONNECTION_DATA =
```

```
(DESCRIPTION =  
  (ADDRESS_LIST =  
    (ADDRESS = (PROTOCOL = IPC)(KEY = EXTPROC))  
  )  
  (CONNECT_DATA =  
    (SID = PLSExtProc)  
    (PRESENTATION = RO)  
  )  
)
```

- Jeśli klient, np. SQL\*Plus, nie może połączyć się z serwerem bazy danych Oracle, to możemy robić "ręcznie" zmiany w plikach konfiguracji sieciowej: SQLNET.ORA, LISTENER.ORA, TNSNAMES.ORA albo skorzystać z narzędzi konfiguracji sieciowej:



# Konfiguracja procesu nasłuchu sieciowego serwera Oracle



# Konfiguracja procesu nasłuchu sieciowego serwera Oracle

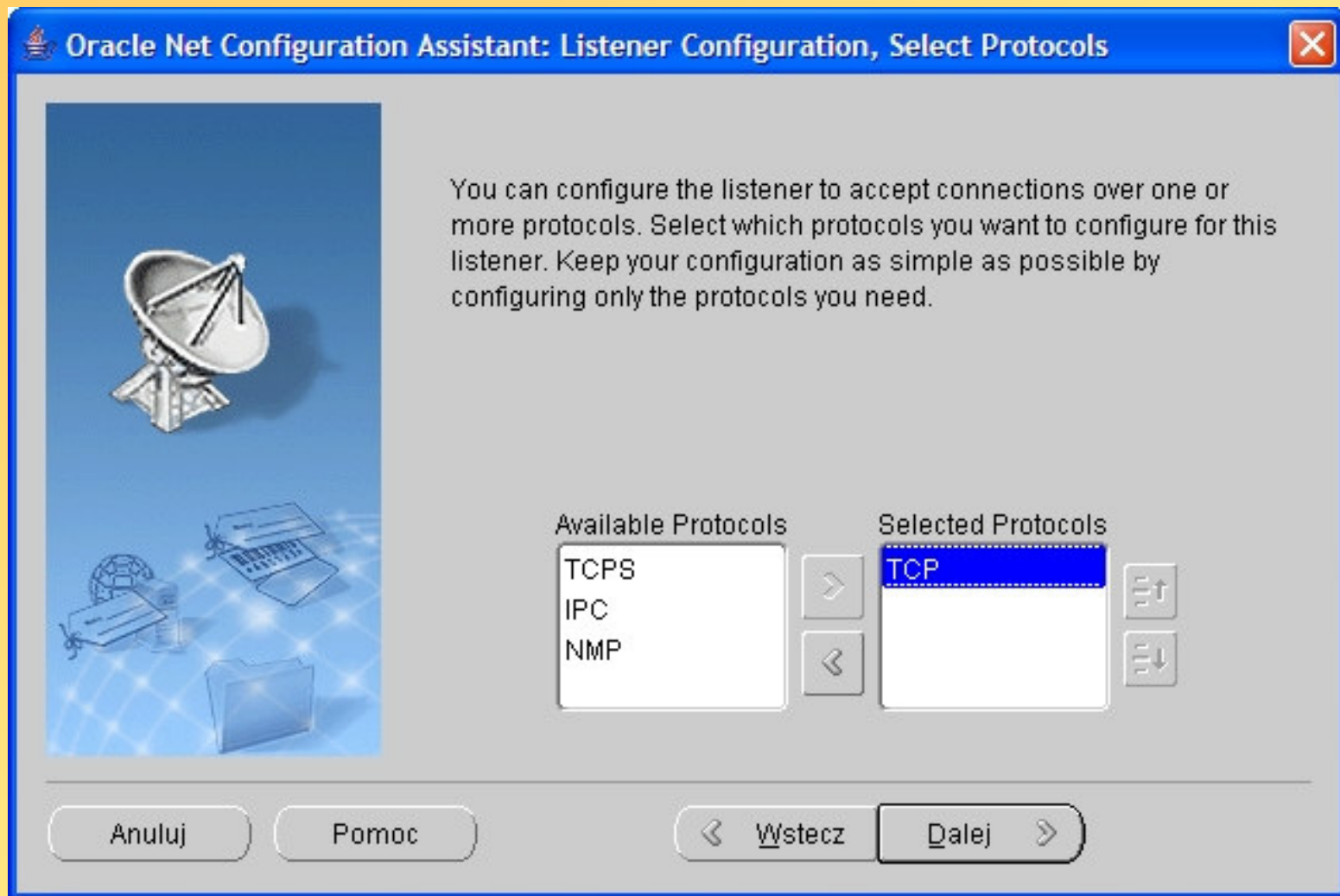




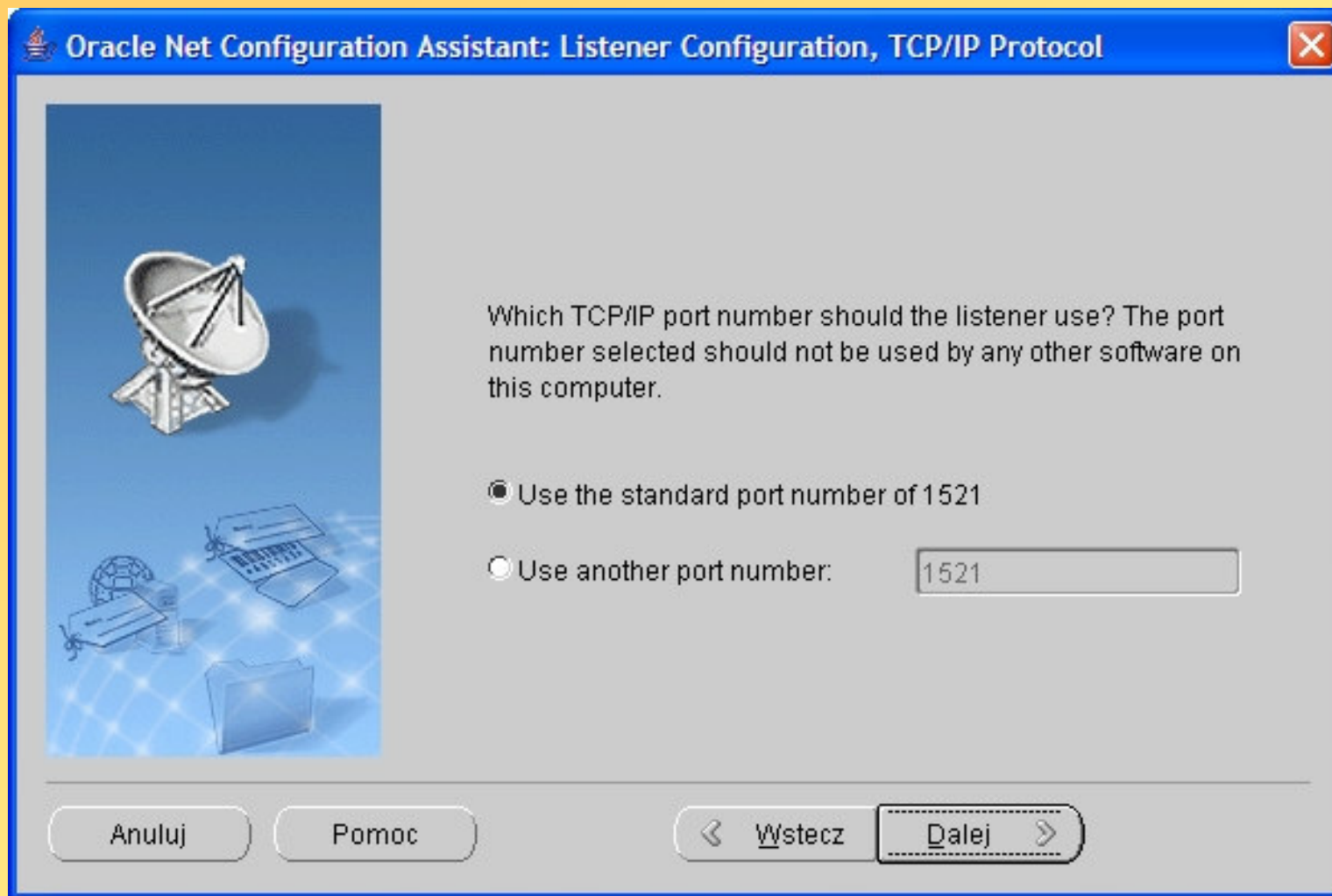
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# Konfiguracja procesu nasłuchu sieciowego serwera Oracle





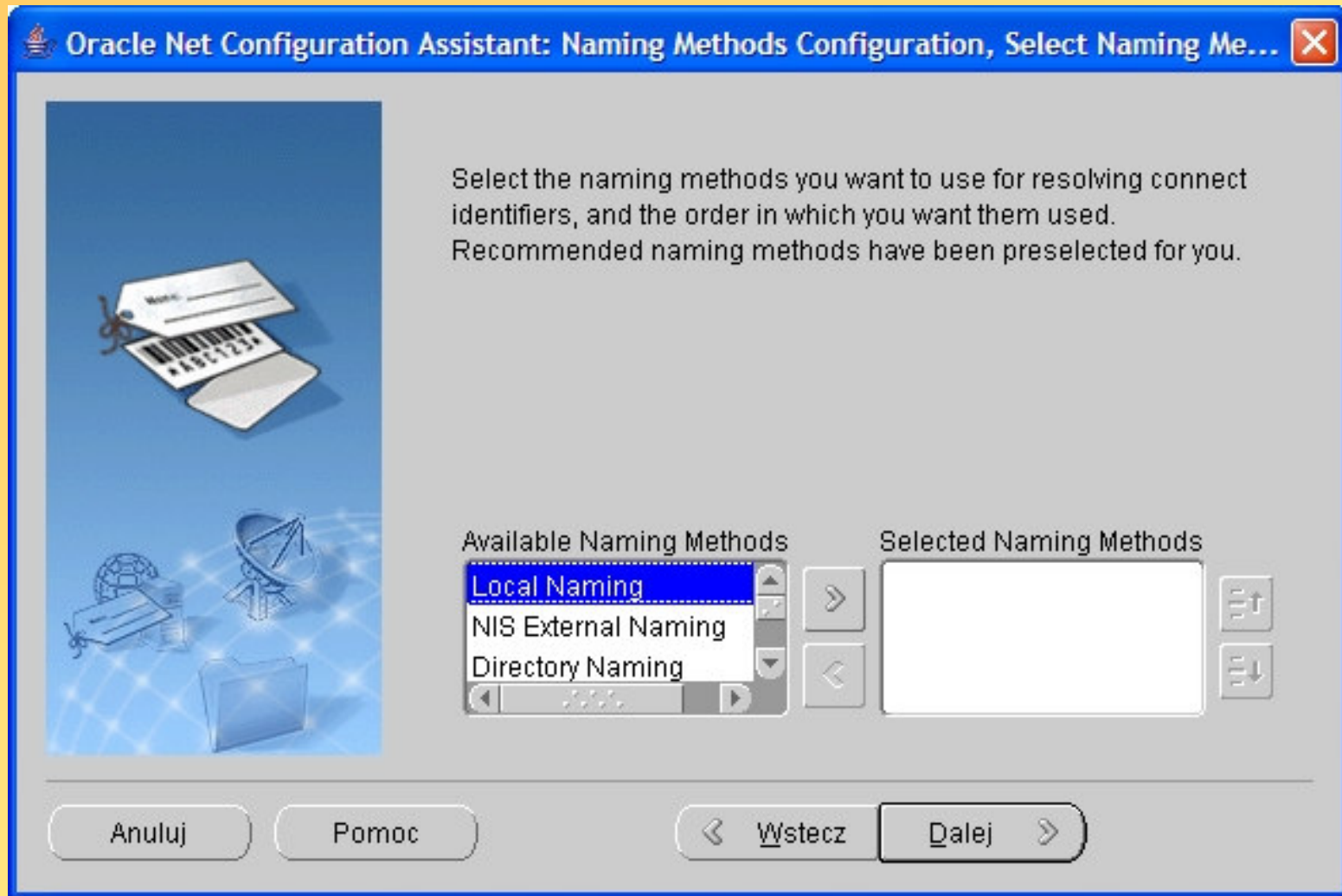
# Konfiguracja procesu nasłuchu sieciowego serwera Oracle



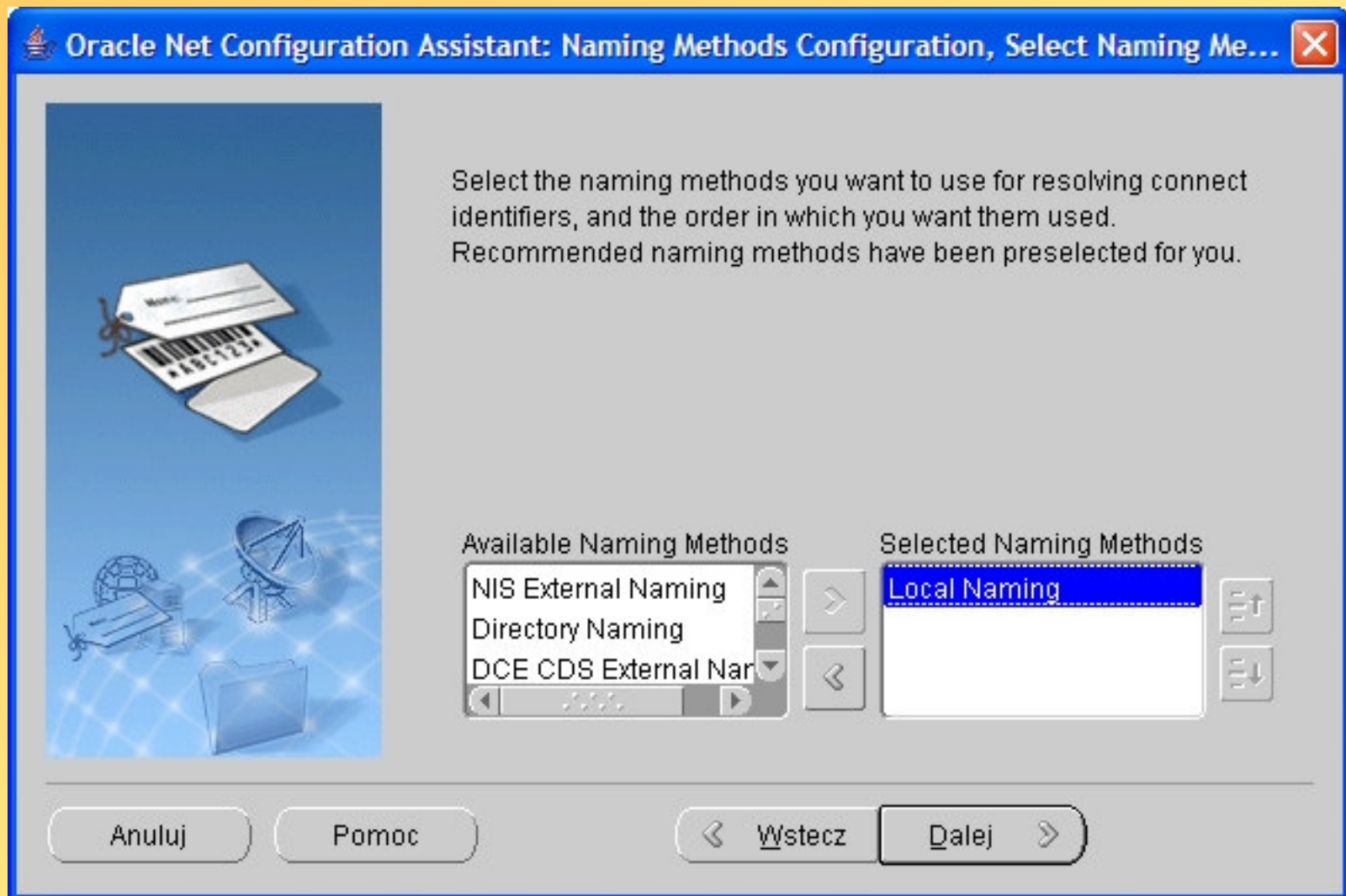
# Konfiguracja metod nazw



# Konfiguracja metod nazw

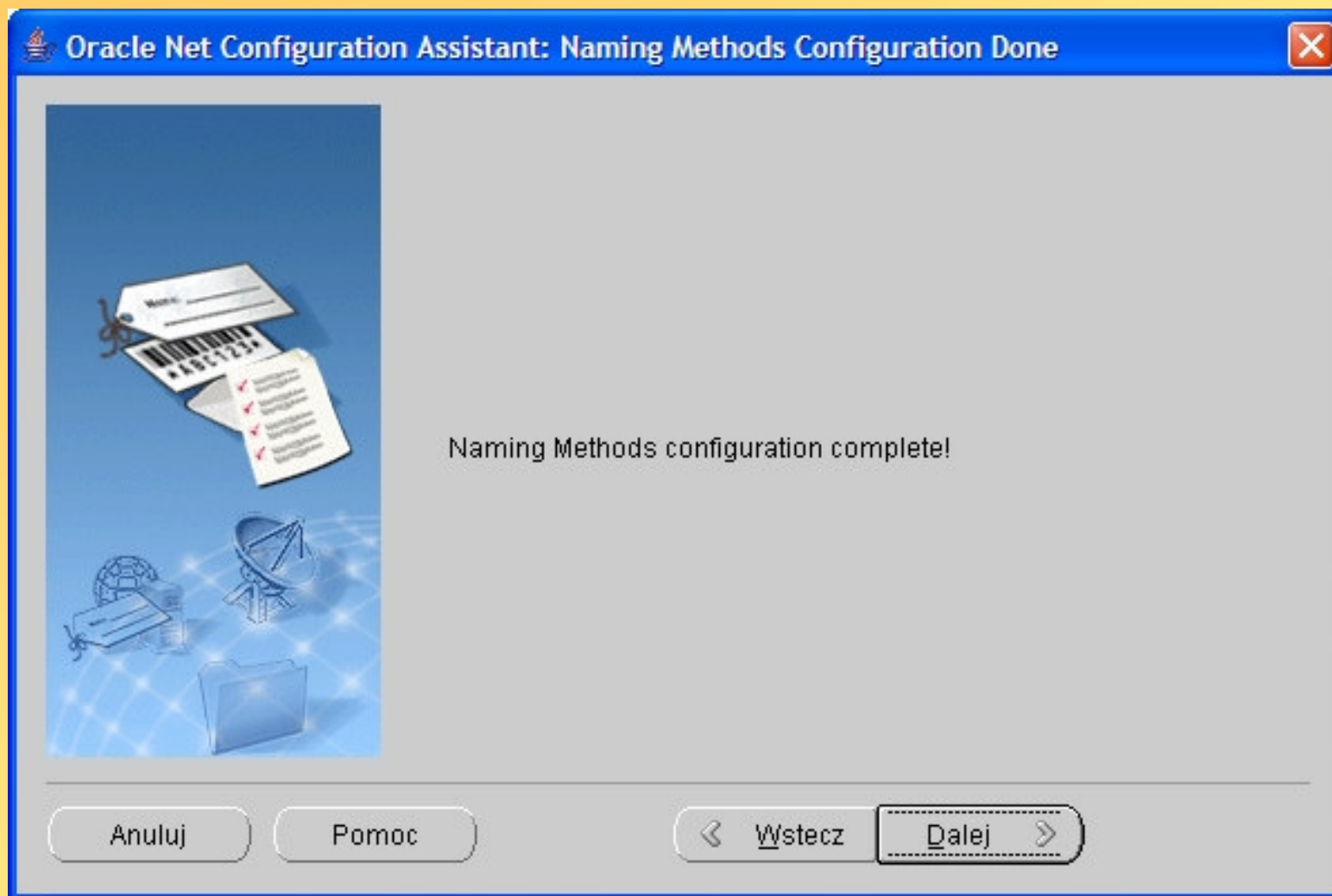


# Konfiguracja metod nazw





# Konfiguracja metod nazw



# Konfiguracja nazw lokalnych usług sieciowych



# Konfiguracja nazw lokalnych usług sieciowych




# Konfiguracja nazw lokalnych usług sieciowych





# Konfiguracja nazw lokalnych usług sieciowych

Oracle Net Configuration Assistant: Net Service Name Configuration, TCP/IP Protocol



To communicate with the database using the TCP/IP protocol, the database computer's host name is required. Enter the host name for the computer where the database is located.

Host name:

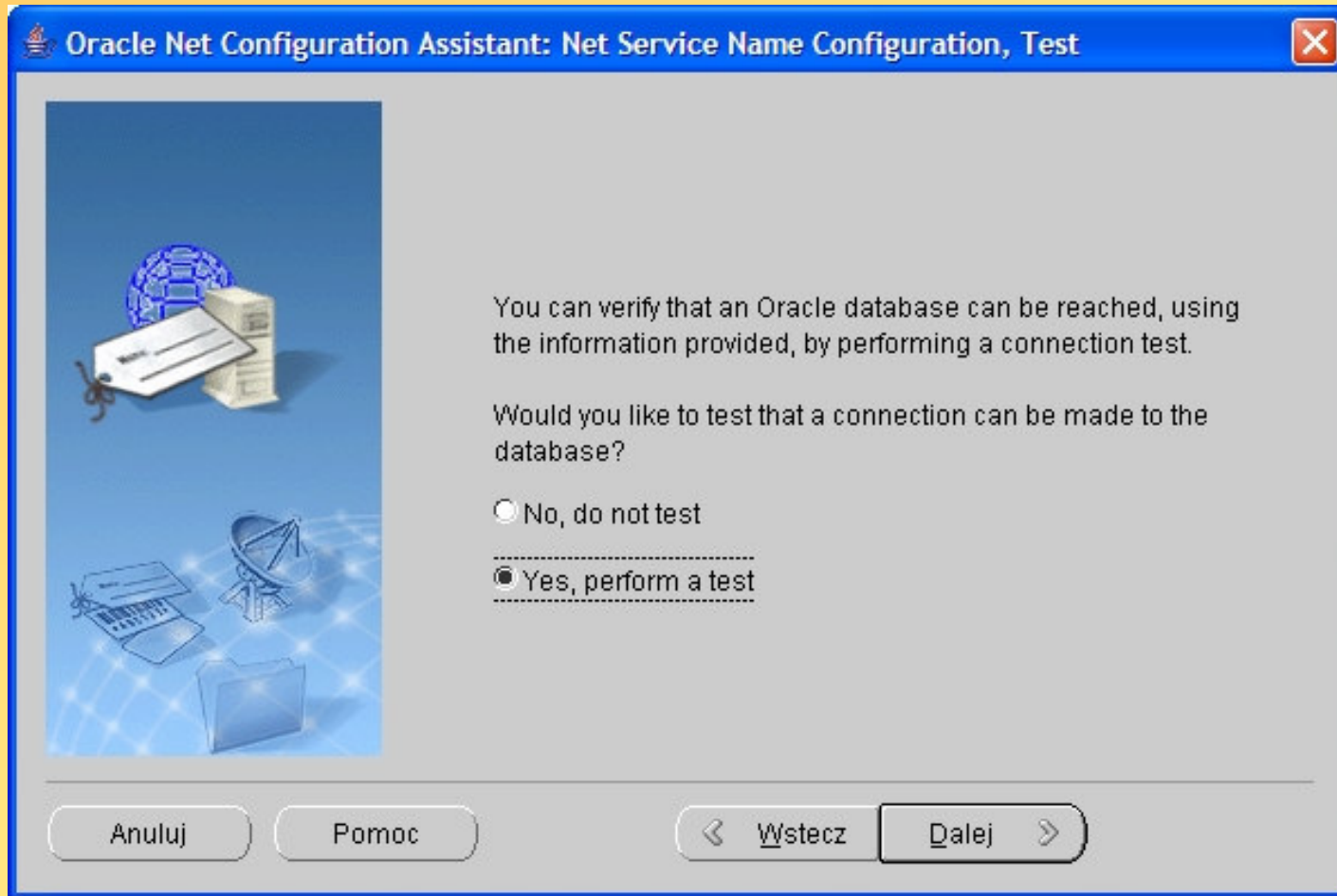
A TCP/IP port number is also required. In most cases the standard port number should be used.

Use the standard port number of 1521

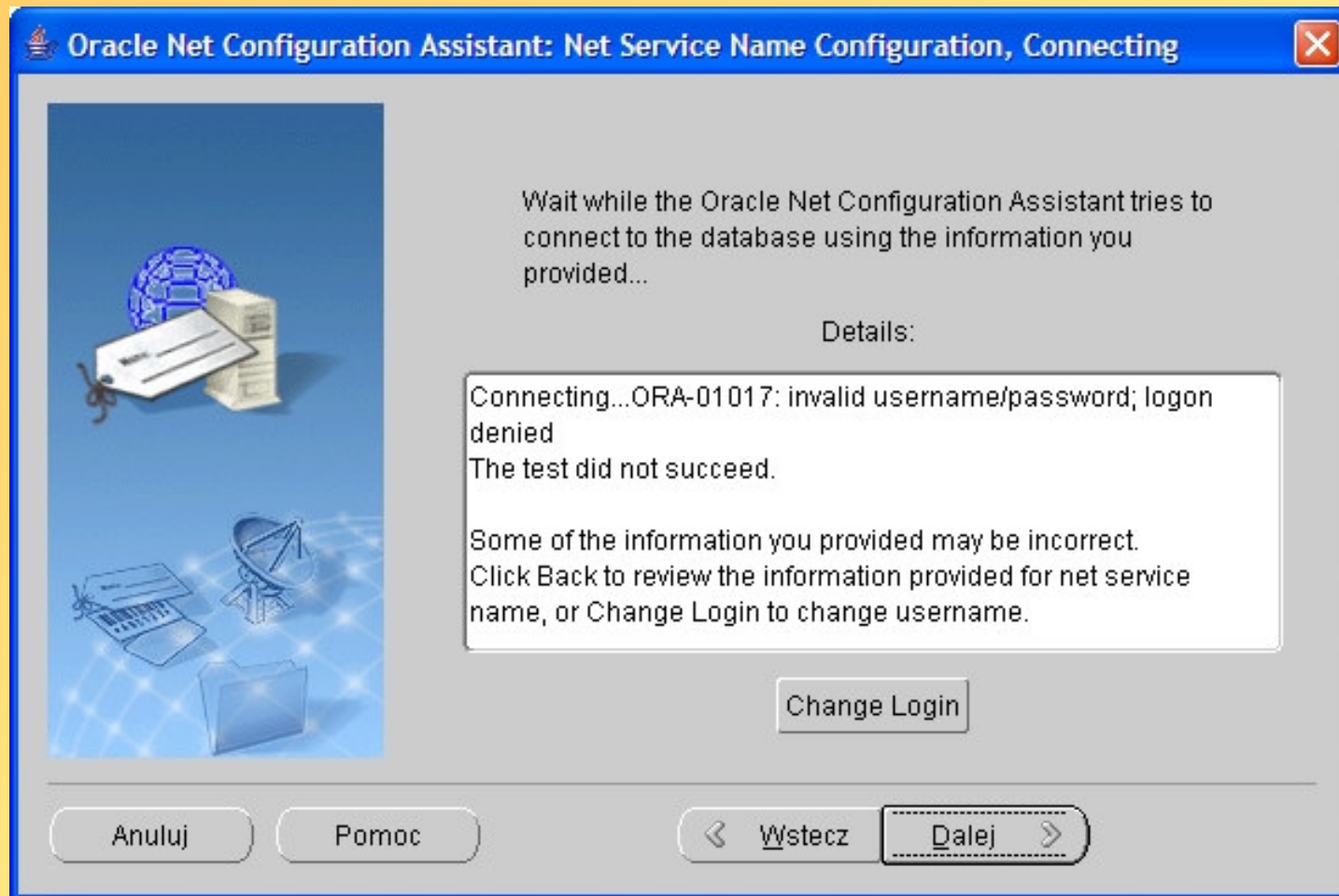
Use another port number:

Anuluj Pomoc < Wstecz Dalej >

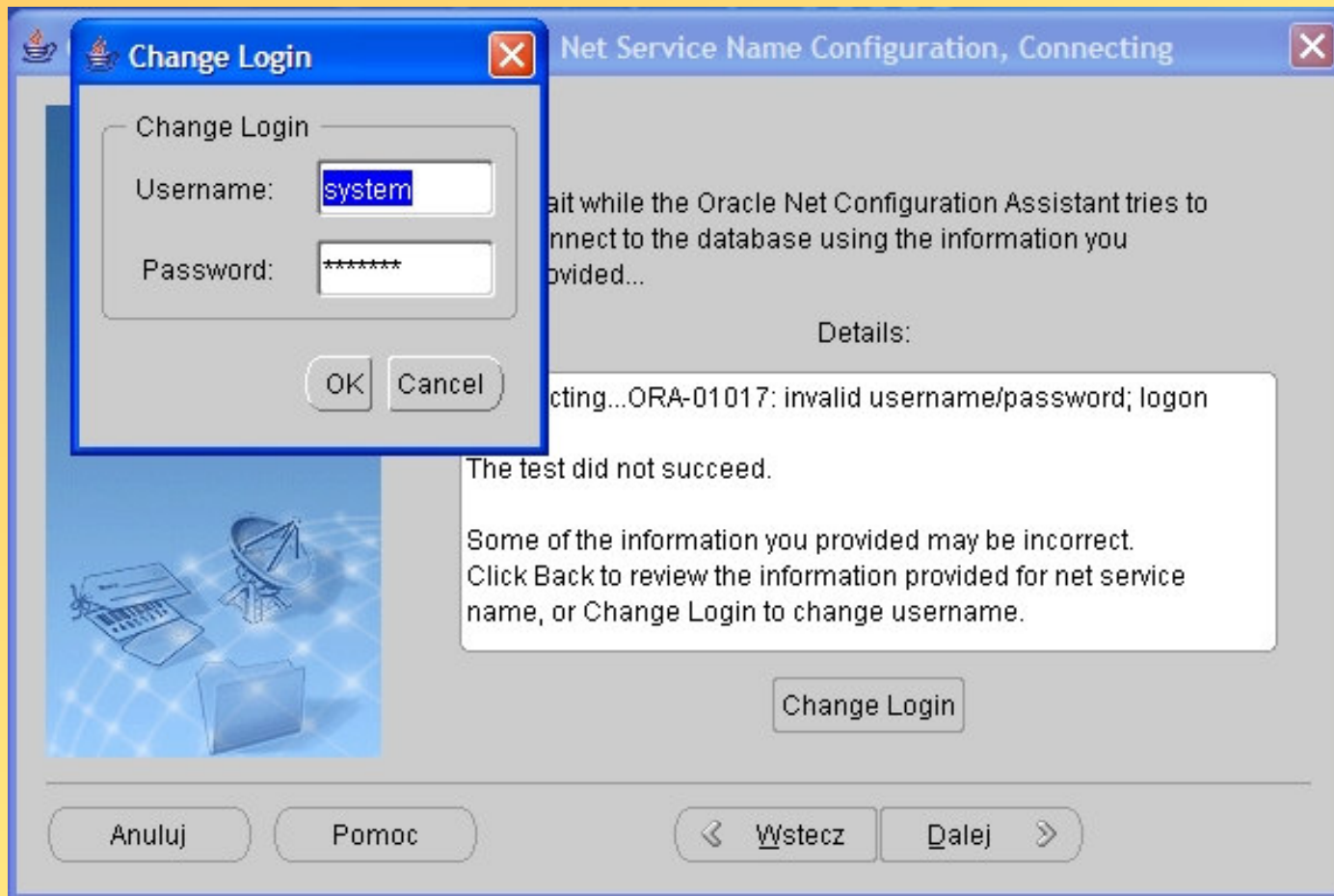
# Konfiguracja nazw lokalnych usług sieciowych



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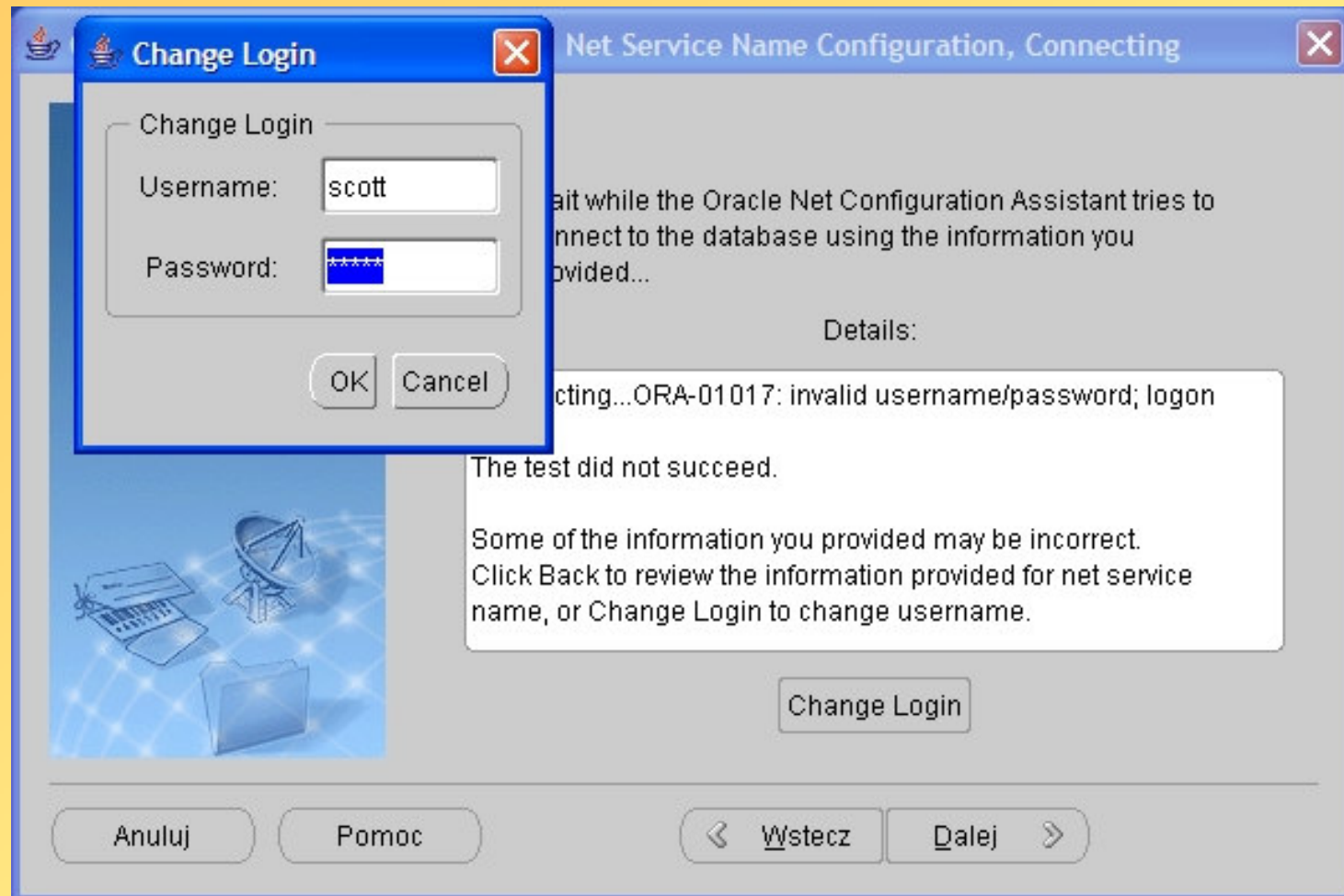


# Konfiguracja nazw lokalnych usług sieciowych

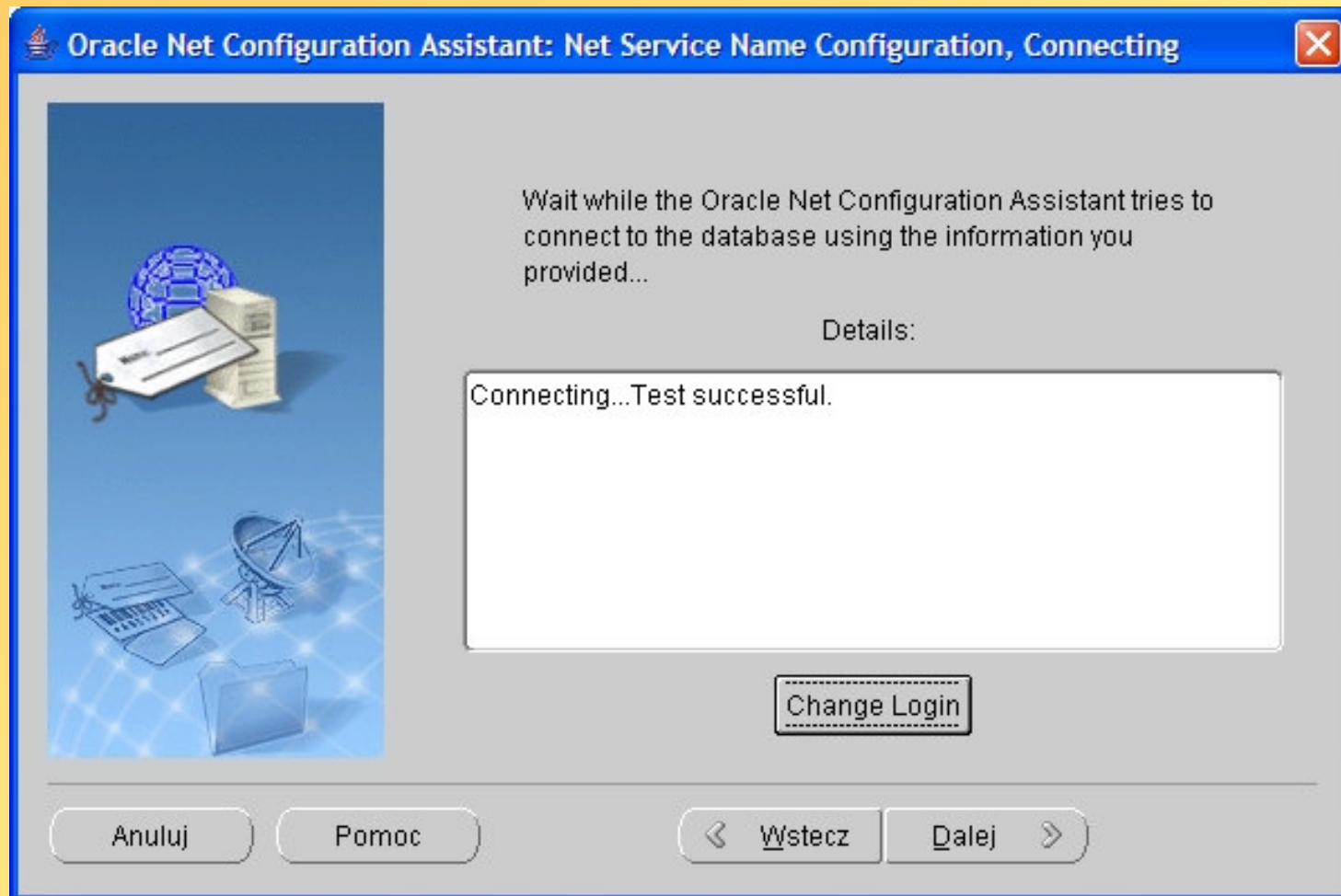




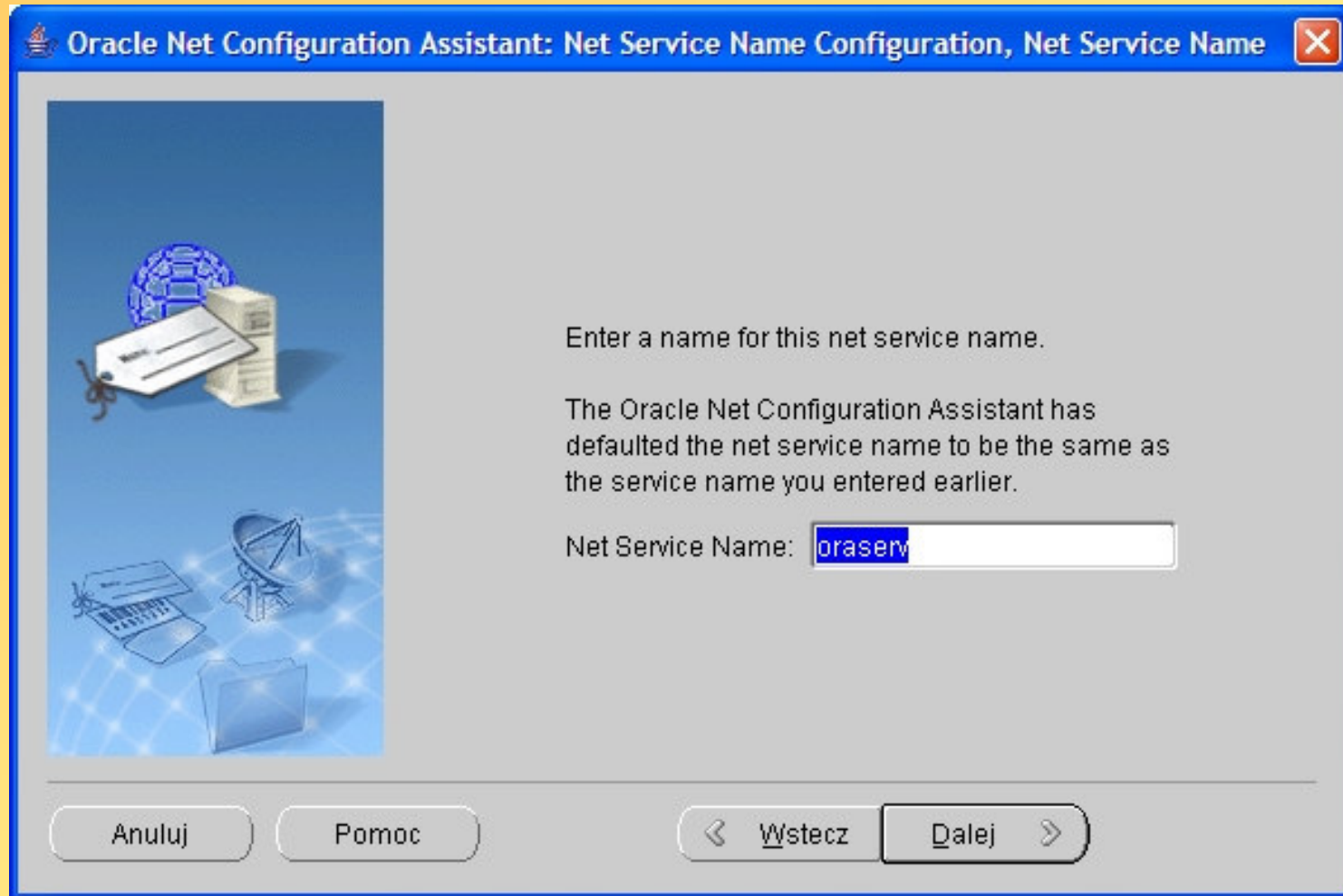
# Konfiguracja nazw lokalnych usług sieciowych



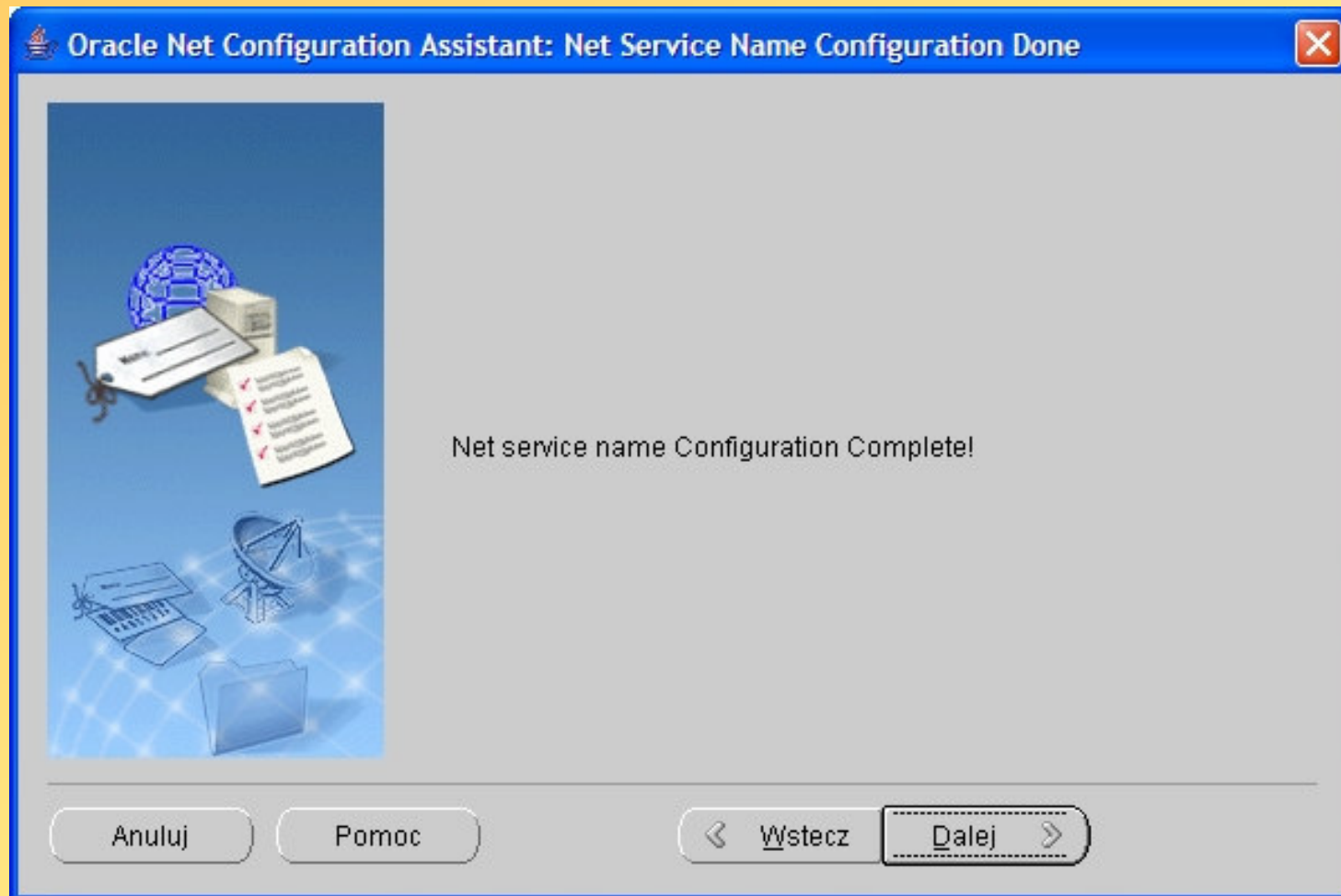
# Konfiguracja nazw lokalnych usług sieciowych



# Konfiguracja nazw lokalnych usług sieciowych

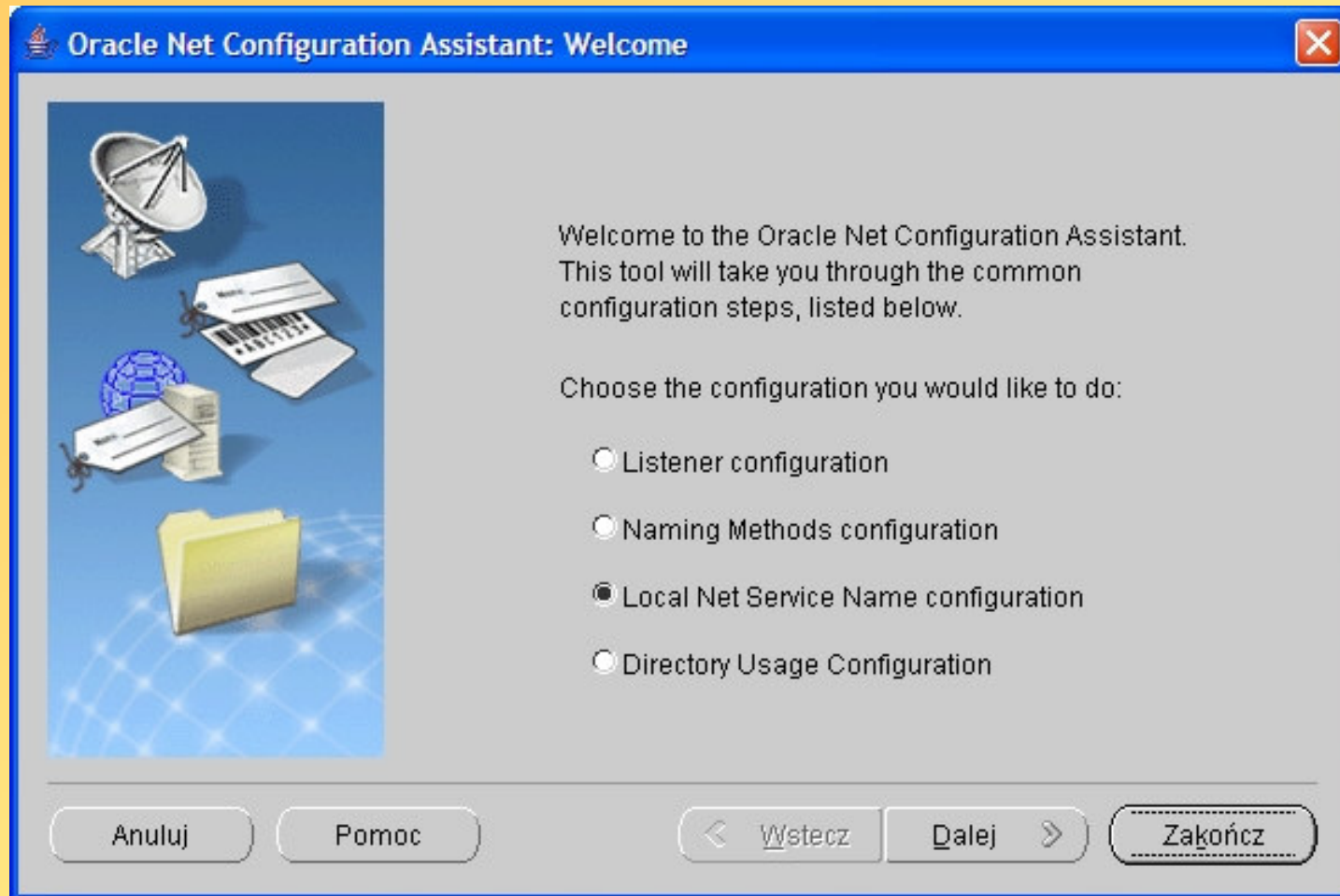


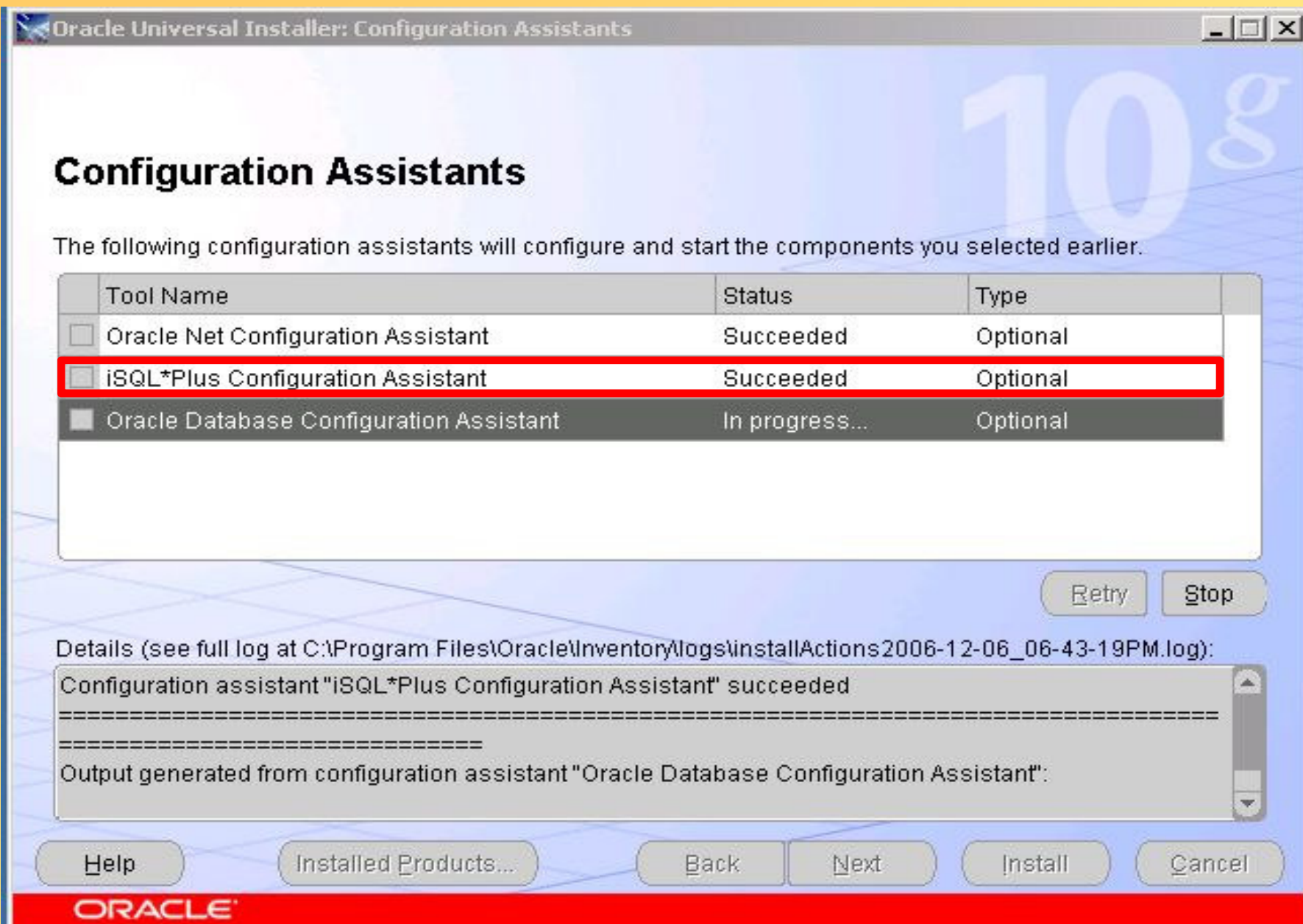
# Konfiguracja nazw lokalnych usług sieciowych





# Zakończenie konfiguracji sieciowej





# Informacja o wynikach działania Oracle iSQL\*Plus Configuration Assistant

=====

Output generated from configuration assistant "iSQL\*Plus Configuration Assistant":

iSQL\*Plus 10.1.0.2.0

Copyright (c) 2004 Oracle. All rights reserved.

Starting iSQL\*Plus ...

iSQL\*Plus started.

Configuration assistant "iSQL\*Plus Configuration Assistant" succeeded

=====

# Oracle iSQL\*Plus jest aplikacją przeglądarki internetowej służącą do wygodnego zadawania zapytań SQL

iSQL\*Plus Release 10.1.0.2 - Microsoft Internet Explorer

Plik Edycja Widok Ulubione Narzędzia Pomoc

Wstecz Wyszukaj Ulubione Multimedia

Adres <http://oracle.pkif.us.edu.pl:5560/isqlplus/> Przejdź Łącząc

Google Go Bookmarks Popups okay Check AutoLink AutoFill Send to Settings

**ORACLE**  
iSQL\*Plus

Help

### Login

\* Indicates required field

\* Username

\* Password

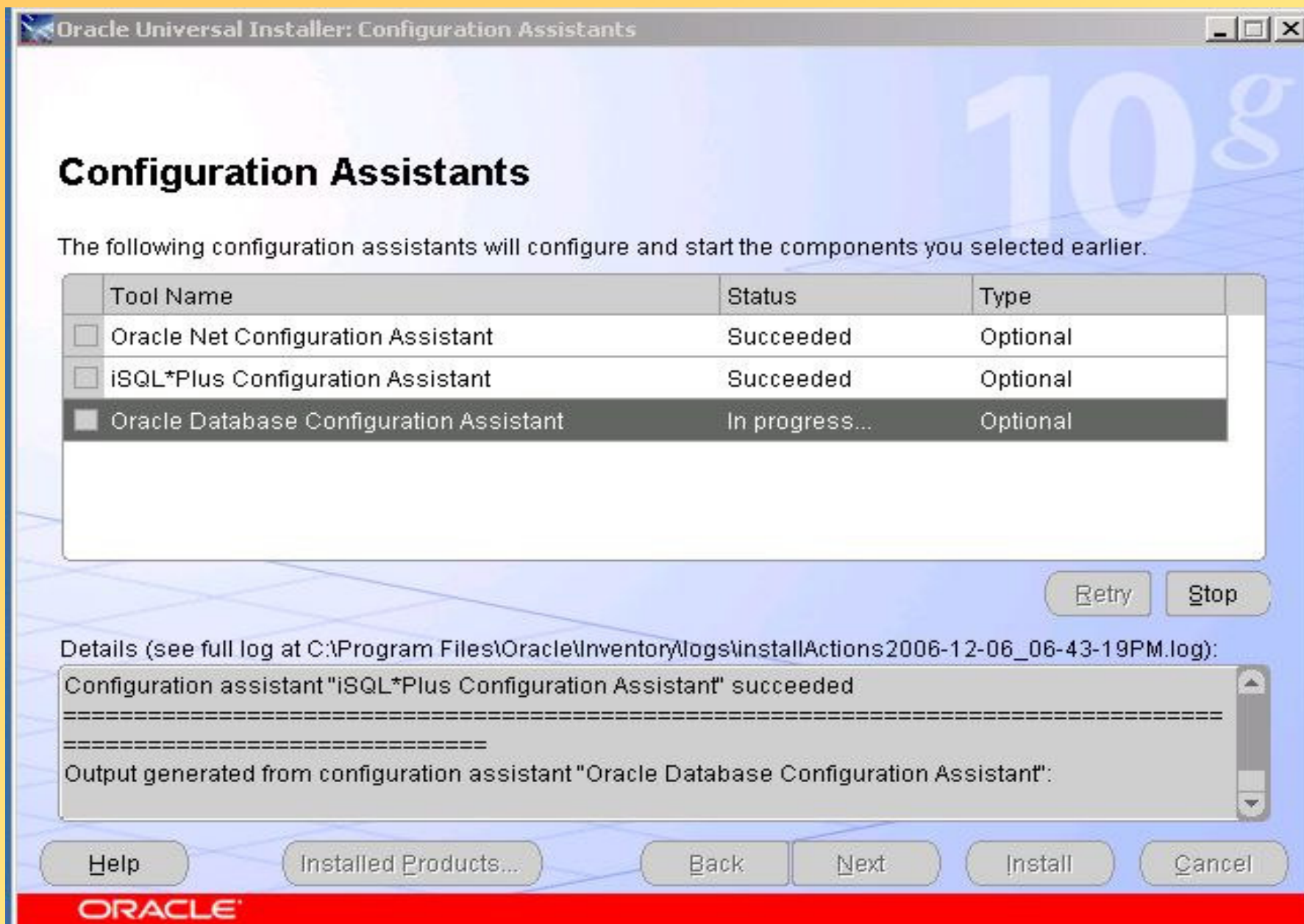
Connect Identifier

Login

Help

Copyright © 2003, Oracle. All rights reserved.





# Database Configuration Assistant



## Copying database files

Creating and starting Oracle instance

Completing Database Creation

Clone database creation in progress



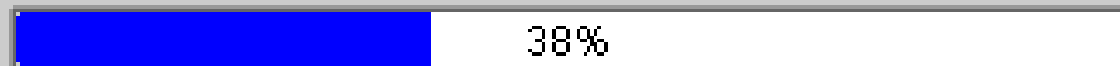
Stop

## Database Configuration Assistant



- ✓ Copying database files
- ✓ **Creating and starting Oracle instance**  
Completing Database Creation

Clone database creation in progress



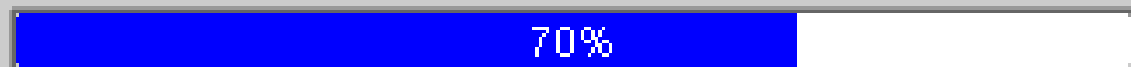
Stop

## Database Configuration Assistant



- ✓ Copying database files
- ✓ Creating and starting Oracle instance
- ✓ **Completing Database Creation**

Clone database creation in progress



Stop



## Configuration Assistants

The following configuration assistants will configure and start the components you selected earlier.

Tool Name	Status	Type
<input type="checkbox"/> Oracle Net Configuration Assistant	Succeeded	Optional
<input type="checkbox"/> iSQL*Plus Configuration Assistant	Succeeded	Optional
<input checked="" type="checkbox"/> Oracle Database Configuration Assistant	In progress...	Optional

Details (see full log at C:\Program Files\Oracle\Inventory\logs\installActions2006-12-06\_06-43-19PM.log):

```

2006-12-06 19:49:52 oracle.sysman.emcp.EMConfig updateEmomsProps
INFO: Updating file C:\oracle\product\10.1.0\db_1\sysman\config\emoms.properties ...
2006-12-06 19:49:52 oracle.sysman.emcp.EMConfig updateConfigFiles
INFO: emoms.properties file is updated successfully
2006-12-06 19:50:05 oracle.sysman.emcp.EMConfig startOMS
    
```


Oracle Universal Installer: Configuration Assistants

### Configuration Assistant

The following products are selected for installation:

To	Type
<input type="checkbox"/> Oracle Database 10g	Optional
<input type="checkbox"/> Oracle Database 10g	Optional
<input checked="" type="checkbox"/> Oracle Database 10g	Optional

**Database Configuration Assistant : Error**



Enterprise manager configuration failed due to the following error -  
Error starting DBConsole. DBConsole could not be started successfully  
You can retry configuring this database with Enterprise Manager later by manually running C:\oracle\product\10.1.0\db\_1\bin\emca script.

OK

Details (see full log at C:\Program Files\Oracle\Inventory\logs\installActions2006-12-06\_06-43-19PM.log):

```
2006-12-06 19:50:05 oracle.sysman.emcp.EMConfig startOMS
INFO: Starting the DBConsole ...
2006-12-06 19:55:06 oracle.sysman.emcp.EMConfig perform
SEVERE: Error starting DBConsole. DBConsole could not be started successfully
```

Help    Installed Products...    Back    Next    Install    Cancel

ORACLE

## Configuration Assistants

The Database Configuration Assistant

Database creation complete. Check the logfiles at C:\oracle\product\10.1.0\admin\oraserv\create for details.

Database Information:

Global Database Name:	oraserv.us.edu.pl
System Identifier(SID):	oraserv
Server Parameter Filename:	C:\oracle\product\10.1.0\db_1\database\spfileoraserv.ora

Note: All database accounts except SYS, SYSTEM, DBSNMP, and SYSMAN are locked. Select the Password Management button to view a complete list of locked accounts or to manage the database accounts. From the Password Management window, unlock only the accounts you will use. Oracle Corporation strongly recommends changing the default passwords immediately after unlocking the account.

OK

Password Management...

Help

Installed Products...

Back

Next

Install

Cancel

ORACLE

Password Management

Lock / unlock database user accounts and / or change the default passwords:

User Name	Lock Account?	New Password	Confirm Password
SYSTEM			
SYS			
OUTLN	✓		
OLAPSYS	✓		
SI_INFORMTN_SCHEMA	✓		
ORDPLUGINS	✓		
WKPROXY	✓		
XDB	✓		
ANONYMOUS	✓		
CTXSYS	✓		
WK_TEST	✓		
WKSYS	✓		

OK Cancel Help



Password Management

Lock / unlock database user accounts and / or change the default passwords:

User Name	Lock Account?	New Password	Confirm Password
EXP SYS	<input checked="" type="checkbox"/>		
ORDSYS	<input checked="" type="checkbox"/>		
MDSYS	<input checked="" type="checkbox"/>		
HR	<input checked="" type="checkbox"/>		
OE	<input checked="" type="checkbox"/>		
DIP	<input checked="" type="checkbox"/>		
SH	<input checked="" type="checkbox"/>		
IX	<input checked="" type="checkbox"/>		
MDDATA	<input checked="" type="checkbox"/>		
PM	<input checked="" type="checkbox"/>		
BI	<input checked="" type="checkbox"/>		
SCOTT	<input checked="" type="checkbox"/>		

OK Cancel Help

**Password Management** [X]

Lock / unlock database user accounts and / or change the default passwords:

User Name	Lock Account?	New Password	Confirm Password
EXFSYS	<input checked="" type="checkbox"/>		
ORDSYS	<input checked="" type="checkbox"/>		
MDSYS	<input checked="" type="checkbox"/>		
HR	<input checked="" type="checkbox"/>		
OE	<input checked="" type="checkbox"/>		
DIP	<input checked="" type="checkbox"/>		
SH	<input checked="" type="checkbox"/>		
IX	<input checked="" type="checkbox"/>		
MDDATA	<input checked="" type="checkbox"/>		
PM	<input checked="" type="checkbox"/>		
BI	<input checked="" type="checkbox"/>		
SCOTT	<input type="checkbox"/>		

OK Cancel Help

## Database Configuration Assistant



Database creation complete. Check the logfiles at C:\oracle\product10.1.0\admin\orasev\create for details.

### Database Information:

Global Database Name: orasev.us.edu.pl

System Identifier(SID): orasev

Server Parameter Filename: C:\oracle\product10.1.0\db\_1\database\spfileorasev.ora

Note: All database accounts except SYS, SYSTEM, DBSNMP, and SYSMAN are locked. Select the Password Management button to view a complete list of locked accounts or to manage the database accounts. From the Password Management window, unlock only the accounts you will use. Oracle Corporation strongly recommends changing the default passwords immediately after unlocking the account.

Password Management...

OK

## Configuration Assistants

The following configuration assistants will configure and start the components you selected earlier.

Tool Name	Status	Type
<input type="checkbox"/> Oracle Net Configuration Assistant	Succeeded	Optional
<input type="checkbox"/> iSQL*Plus Configuration Assistant	Succeeded	Optional
<input checked="" type="checkbox"/> Oracle Database Configuration Assistant	Succeeded	Optional

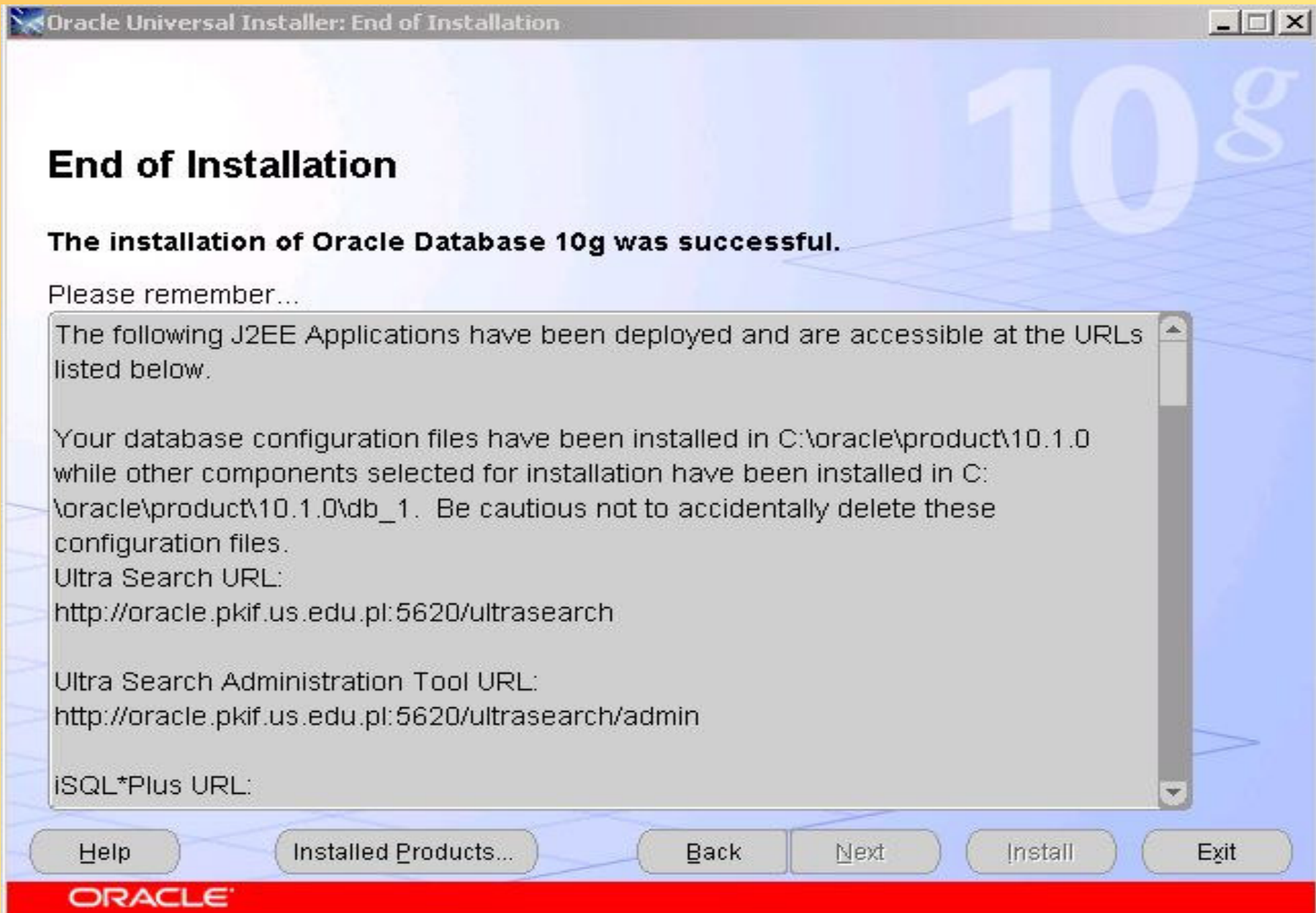
[Retry](#)[Stop](#)

Details (see full log at C:\Program Files\Oracle\Inventory\logs\installActions2006-12-06\_06-43-19PM.log):

```
2006-12-06 19:55:06 oracle.sysman.emcp.EMConfig perform
SEVERE: Error starting DBConsole. DBConsole could not be started successfully

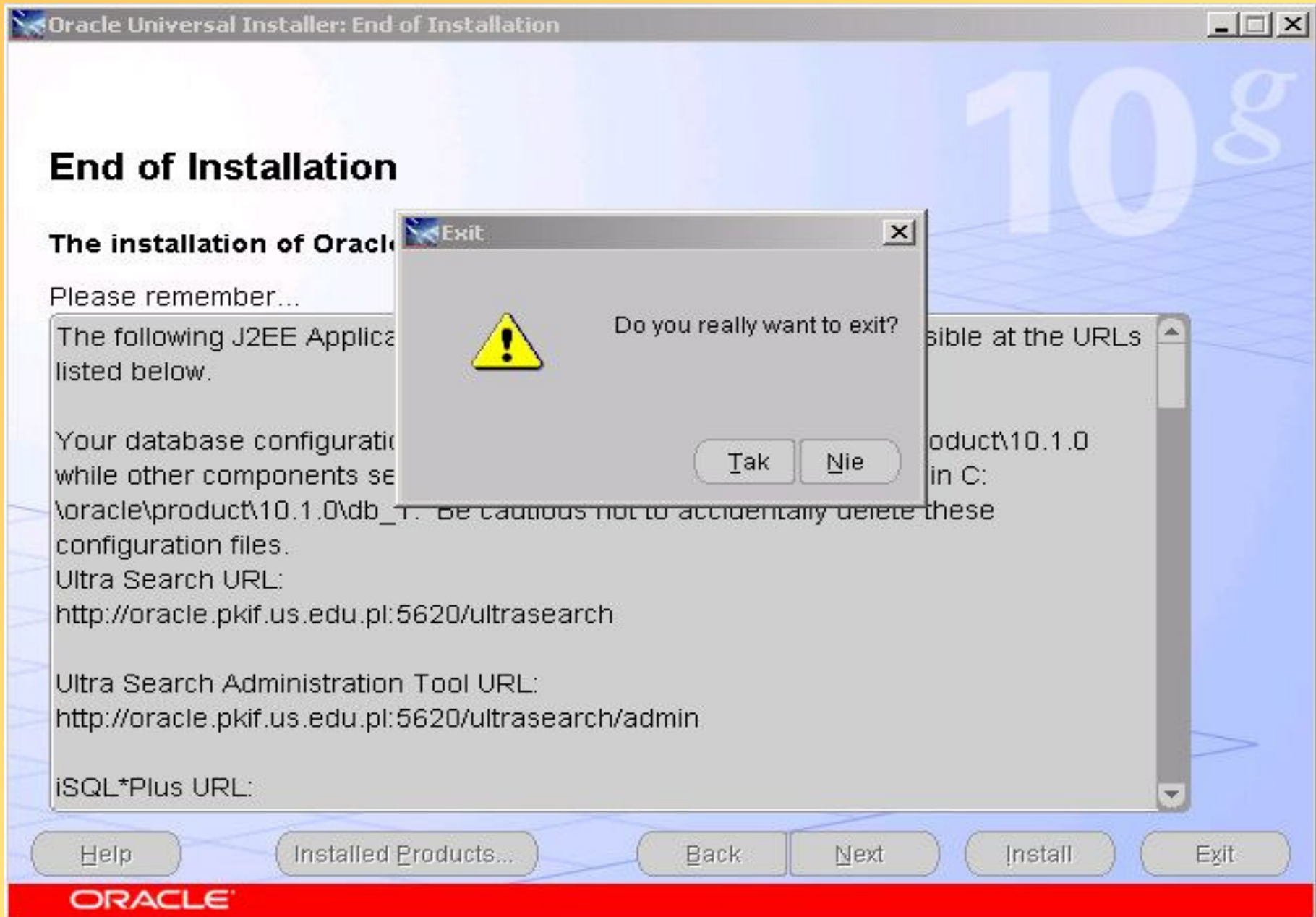
Configuration assistant "Oracle Database Configuration Assistant" succeeded
```

[Help](#)[Installed Products...](#)[Back](#)[Next](#)[Install](#)[Cancel](#)**ORACLE**

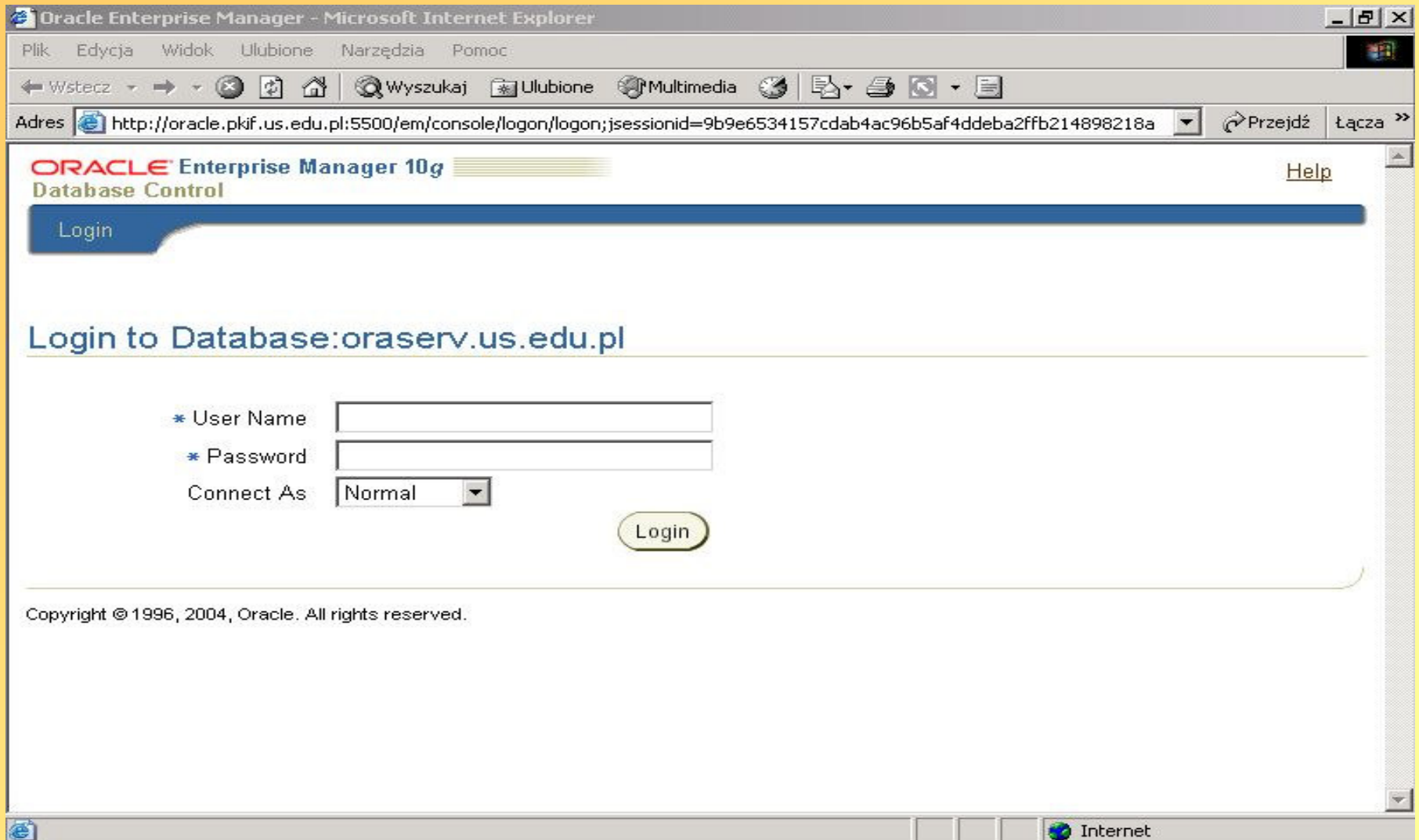


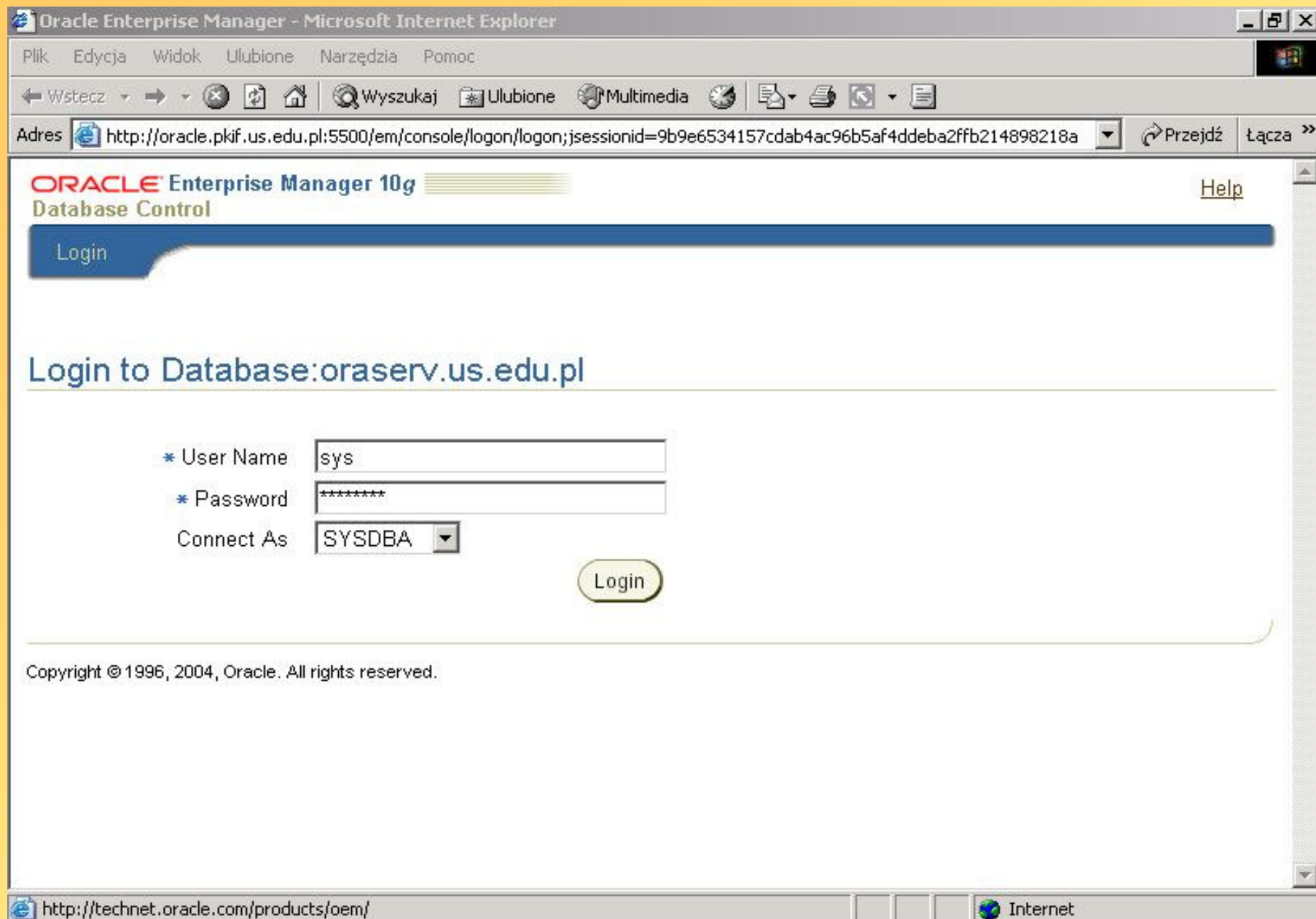






# Automatyczne pierwsze uruchomienie narzędzia administracyjnego Enterprise Manager





The screenshot shows a web browser window titled "Oracle Enterprise Manager - Microsoft Internet Explorer". The address bar contains the URL "http://oracle.pkif.us.edu.pl:5500/em/console/license". The page content includes the Oracle logo and "Enterprise Manager 10g Database Control". The main heading is "Oracle Database Licensing Information 10g". Below this, a paragraph states: "Oracle Enterprise Manager 10g Database Control is designed for managing a single database, which can be either a single instance or a cluster database. The following premium functionality contained within this release of Enterprise Manager 10g Database Control is available only with an Oracle license:". Two sections are listed: "Database Diagnostics Pack" and "Database Tuning Pack", each with a bulleted list of features.

Oracle Enterprise Manager 10g  
Database Control

## Oracle Database Licensing Information 10g

Oracle Enterprise Manager 10g Database Control is designed for managing a single database, which can be either a single instance or a cluster database. The following premium functionality contained within this release of Enterprise Manager 10g Database Control is available only with an Oracle license:

### Database Diagnostics Pack

- Performance Monitoring (Database and Host)
- ADDM (Automated Database Diagnostic Monitor)
- Automatic Workload Repository
- Event Notifications: Notification Methods, Rules and Schedules
- Event history/metric history (Database and Host)
- Blackouts

### Database Tuning Pack

- SQL Access Advisor
- SQL Tuning Advisor
- SQL Tuning Sets
- Reorganize Objects



Oracle Enterprise Manager - Microsoft Internet Explorer

Plik Edycja Widok Ulubione Narzędzia Pomoc

Wstecz Wyszukaj Ulubione Multimedia

Adres <http://oracle.pkif.us.edu.pl:5500/em/console/license> Przejdź Łącz

- SQL Tuning Advisor
- SQL Tuning Sets
- Reorganize Objects

### Configuration Management Pack

- Database and Host Configuration
- Deployments
- Patch Database and View Patch Cache
- Patch staging
- Clone Database
- Clone Oracle Home
- Search configuration
- Compare configuration
- Policies

For a detailed description of this functionality and where it can be used within the product refer to the Oracle Database Licensing Information 10g document.

**I acknowledge and agree that use of this premium functionality requires the purchase of an appropriate license.**

Cancel I Agree

Copyright © 1996, 2004, Oracle. All rights reserved.

Internet

# Database: oraserv.us.edu.pl

[Home](#) [Performance](#) [Administration](#) [Maintenance](#)

Page Refreshed 2006-12-06 20:03:33

[Refresh](#)

View Data

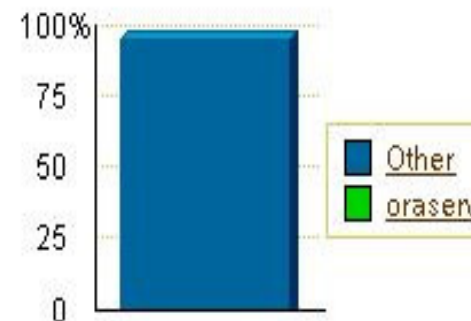
## General



[Shutdown](#)

Status **Up**  
Up Since **2006-12-06 19:48:14**  
Time Zone **CET**  
Availability (%) **100**  
(Last 24 hours)  
Instance Name **oraserv**  
Version **10.1.0.2.0**  
Read Only **No**  
Oracle Home **C:\oracle\product\10.1.0\db\_1**  
Listener **LISTENER\_oracle.pkif.us.edu.pl**  
Host **oracle.pkif.us.edu.pl**

## Host CPU



## Active Sessions

No data is available

Run Queue **3.0**  
Paging (pages per second) **119.97**

Active Sessions **0**  
SQL Response Time (%) **0**

## High Availability

Instance Recovery Time **0**

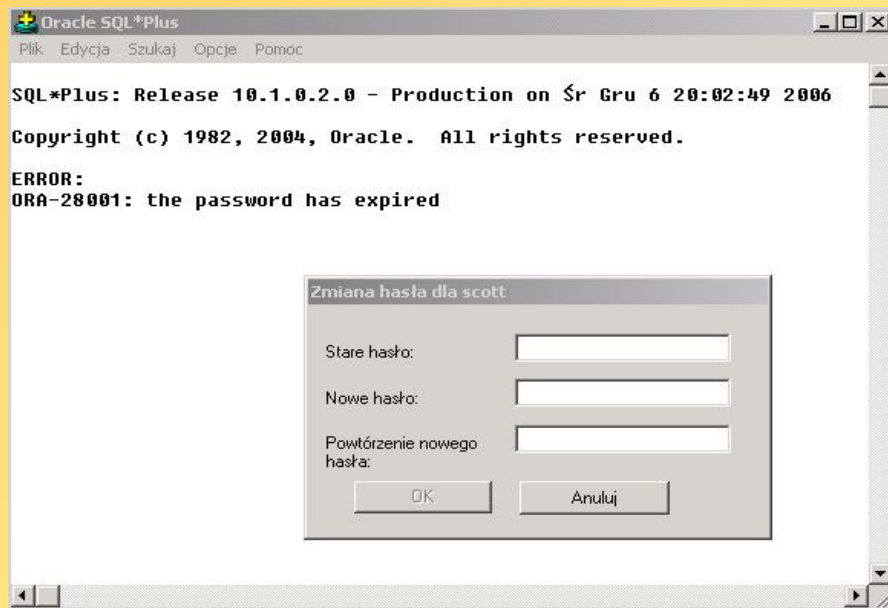
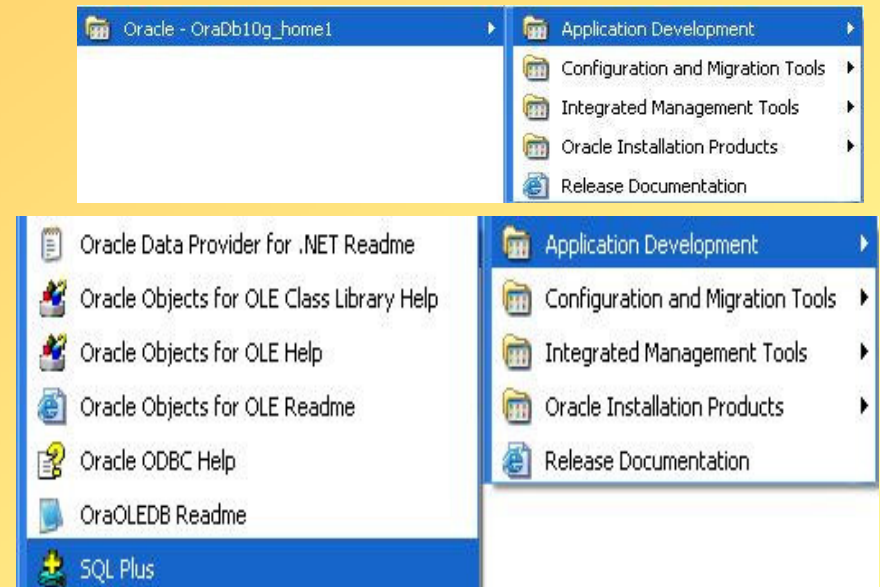
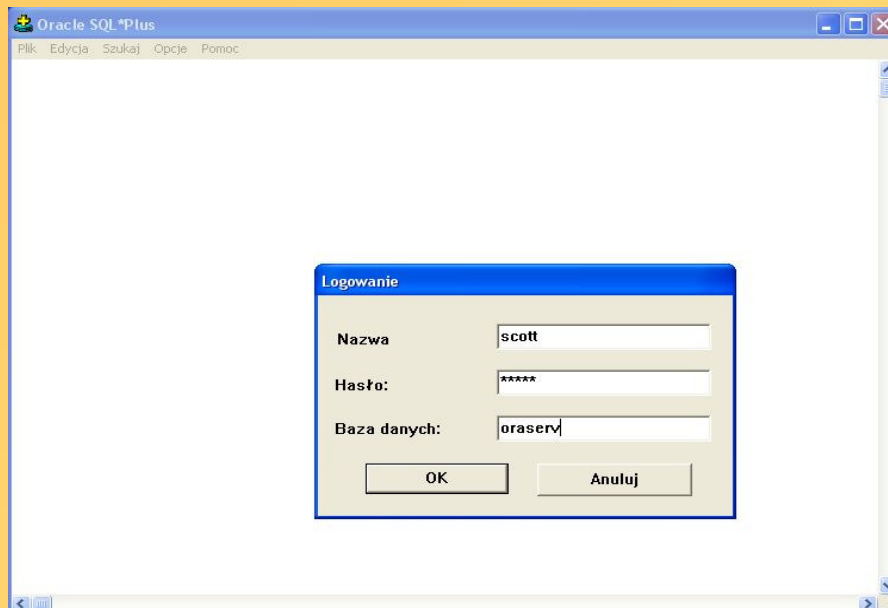
## Space Usage

Database Size **0**

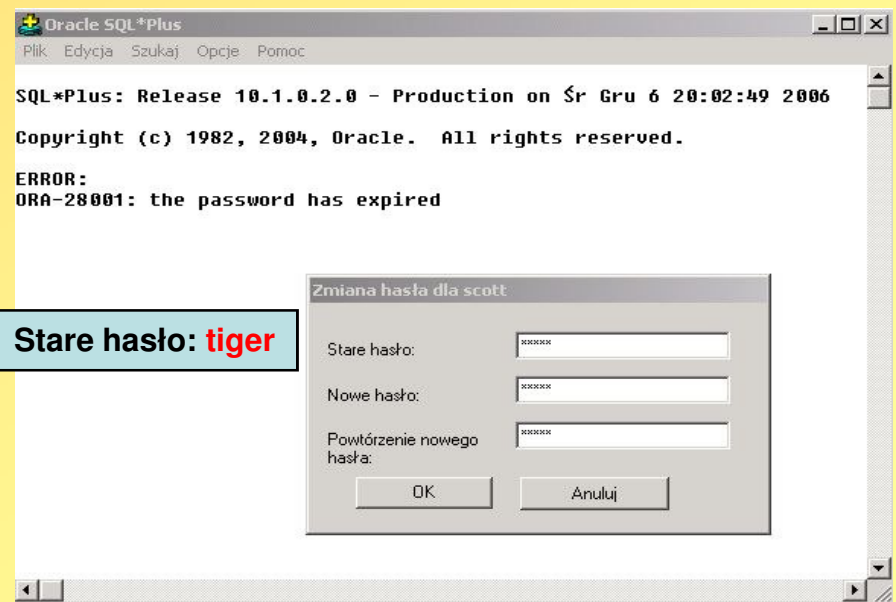
## Diagnostic Summary

Performance **No ADDM**

# Pierwsze logowanie do konta użytkownika SCOTT

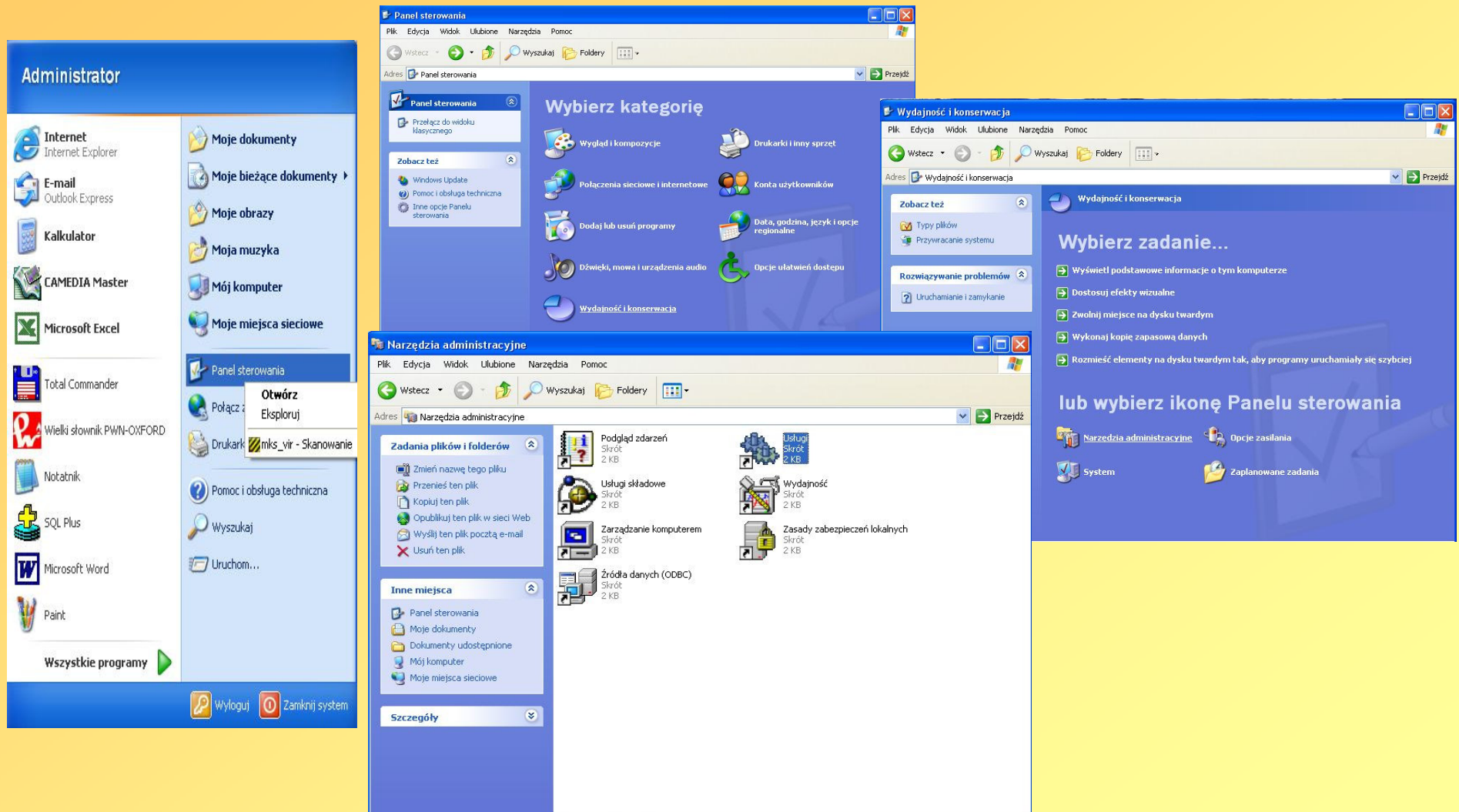


Stare hasło: tiger



# Gdy pojawiają się problemy ...

- Najpierw sprawdzamy, czy poprawnie wystartowały usługi Oracle'a systemu operacyjnego Windows:





Drzewo	Nazwa	Opis	Stan	Typ uruchomienia	Zaloguj jako
Usługi (k)	Konfiguracja sieci bezprzewodowej	Zapewnia kontrolę uwierzytel...		Ręczna	LocalSystem
	Logowanie do sieci	Obsługuje uwierzytelnienie p...	Uruchomiono	Automatyczny	LocalSystem
	Lokalizator usługi zdalnego wywołania procedur...	Zarządza bazą danych usługi...		Ręczna	LocalSystem
	Magazyn chroniony	Zapewnia chroniony magazy...	Uruchomiono	Automatyczny	LocalSystem
	Magazyn wymienny	Zarządza wymiennymi nośnik...	Uruchomiono	Automatyczny	LocalSystem
	Menedżer automatycznego połączenia dostępu...	Tworzy połączenie do sieci zd...		Ręczna	LocalSystem
	Menedżer dysków logicznych	Usługa strażnika Menedżera ...	Uruchomiono	Automatyczny	LocalSystem
	Menedżer kont zabezpieczeń	Przechowuje informacje o za...	Uruchomiono	Automatyczny	LocalSystem
	Menedżer narzędzi	Uruchamia narzędzia ułatwie...		Ręczna	LocalSystem
	Menedżer połączeń usługi Dostęp zdalny	Tworzy połączenie sieciowe.	Uruchomiono	Ręczna	LocalSystem
	Messenger	Wysyła i odbiera wiadomości ...	Uruchomiono	Automatyczny	LocalSystem
	MkS_Scan		Uruchomiono	Ręczna	LocalSystem
	MkS_Vir Monitor		Uruchomiono	Automatyczny	LocalSystem
	NetMeeting Remote Desktop Sharing	Umożliwia autoryzowanym uż...		Ręczna	LocalSystem
	OracleCSService		Uruchamianie	Automatyczny	LocalSystem
	OracleDBConsoleoraserv		Uruchomiono	Automatyczny	LocalSystem
	OracleJobSchedulerORASERV			Wyłączony	LocalSystem
	OracleOraDb10g_home1iSQL*Plus	iSQL*Plus Application Server	Uruchomiono	Automatyczny	LocalSystem
	OracleOraDb10g_home1SNMPPeerEncapsulator			Ręczna	LocalSystem
	OracleOraDb10g_home1SNMPPeerMasterAgent			Ręczna	LocalSystem
	OracleOraDb10g_home1TNSListener		Uruchomiono	Automatyczny	LocalSystem
	OracleServiceORASERV		Uruchomiono	Automatyczny	LocalSystem
	Plug and Play	Zarządza instalacją i konfigur...	Uruchomiono	Automatyczny	LocalSystem
	Połączenia sieciowe	Zarządza obiektami w folderz...	Uruchomiono	Ręczna	LocalSystem
	Pomocnik karty inteligentnej	Zapewnia obsługę podłączon...		Ręczna	LocalSystem
	Przeglądarka komputera	Utrzymuje aktualną listę kom...	Uruchomiono	Automatyczny	LocalSystem
	QoS RSVP	Zapewnia możliwość ustawie...		Ręczna	LocalSystem



# Skrypt uruchamiający usługi Oracle'a systemu operacyjnego Windows

```
sc start OracleOraDb10g_home1TNSListener
```

```
sc start OracleServiceORASERV
```

```
sc start OracleOraDb10g_home1iSQL*Plus
```

```
sc start OracleDBConsoleoraserv
```

```
sc start OracleCSService
```

# Skrypt zatrzymujący usługi Oracle'a systemu operacyjnego Windows

```
sc stop OracleCSService
```

```
sc stop OracleDBConsoleoraserv
```

```
sc stop OracleOraDb10g_home1iSQL*Plus
```

```
sc stop OracleServiceORASERV
```

```
sc stop OracleOraDb10g_home1TNSListener
```

# Skrypt powodujący **automatyczne uruchamianie** usług Oracle'a systemu operacyjnego Windows podczas startu systemu operacyjnego

```
sc config OracleOraDb10g_home1TNSListener start= auto
```

```
sc config OracleServiceORASERV start= auto
```

```
sc config OracleDBConsoleoraserv start= auto
```

```
sc config OracleOraDb10g_home1iSQL*Plus start= auto
```

```
sc config OracleCSService start= auto
```

# Skrypt powodujący konieczność ręcznego uruchamiania usług Oracle'a systemu operacyjnego Windows podczas startu systemu operacyjnego

```
sc config OracleOraDb10g_home1TNSListener start= demand
```

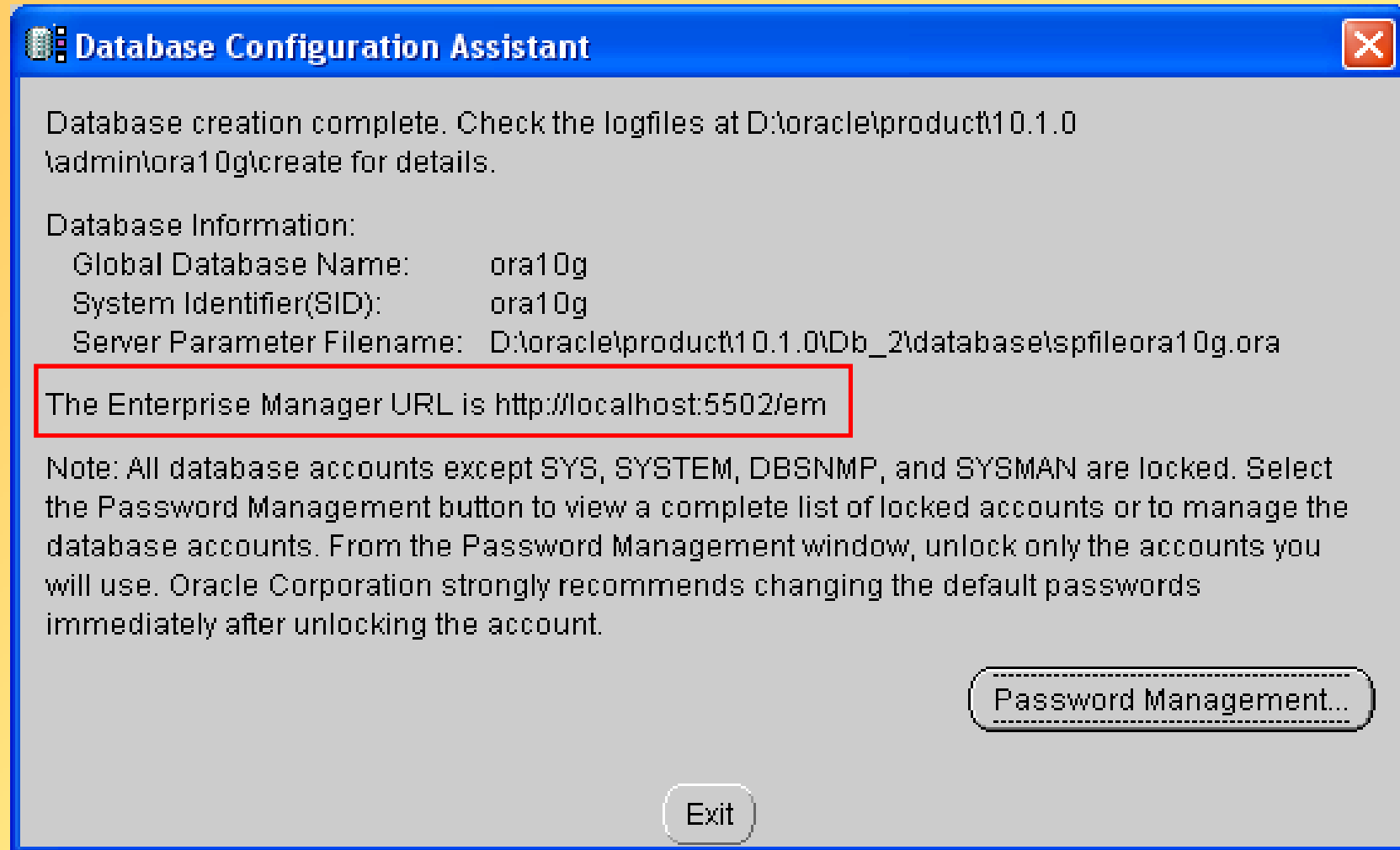
```
sc config OracleServiceORASERV start= demand
```

```
sc config OracleDBConsoleoraserv start= demand
```

```
sc config OracleOraDb10g_home1iSQL*Plus start= demand
```

```
sc config OracleCSService start= demand
```

Gdy baza danych zostanie utworzona w pełni poprawnie, to w okienku kończącym pracę Database Configuration Assistant podany jest adres URL dla narzędzia Enterprise Manager:





Jednak gdy usługi DBConsole nie można uruchomić nawet ręcznie, to ...

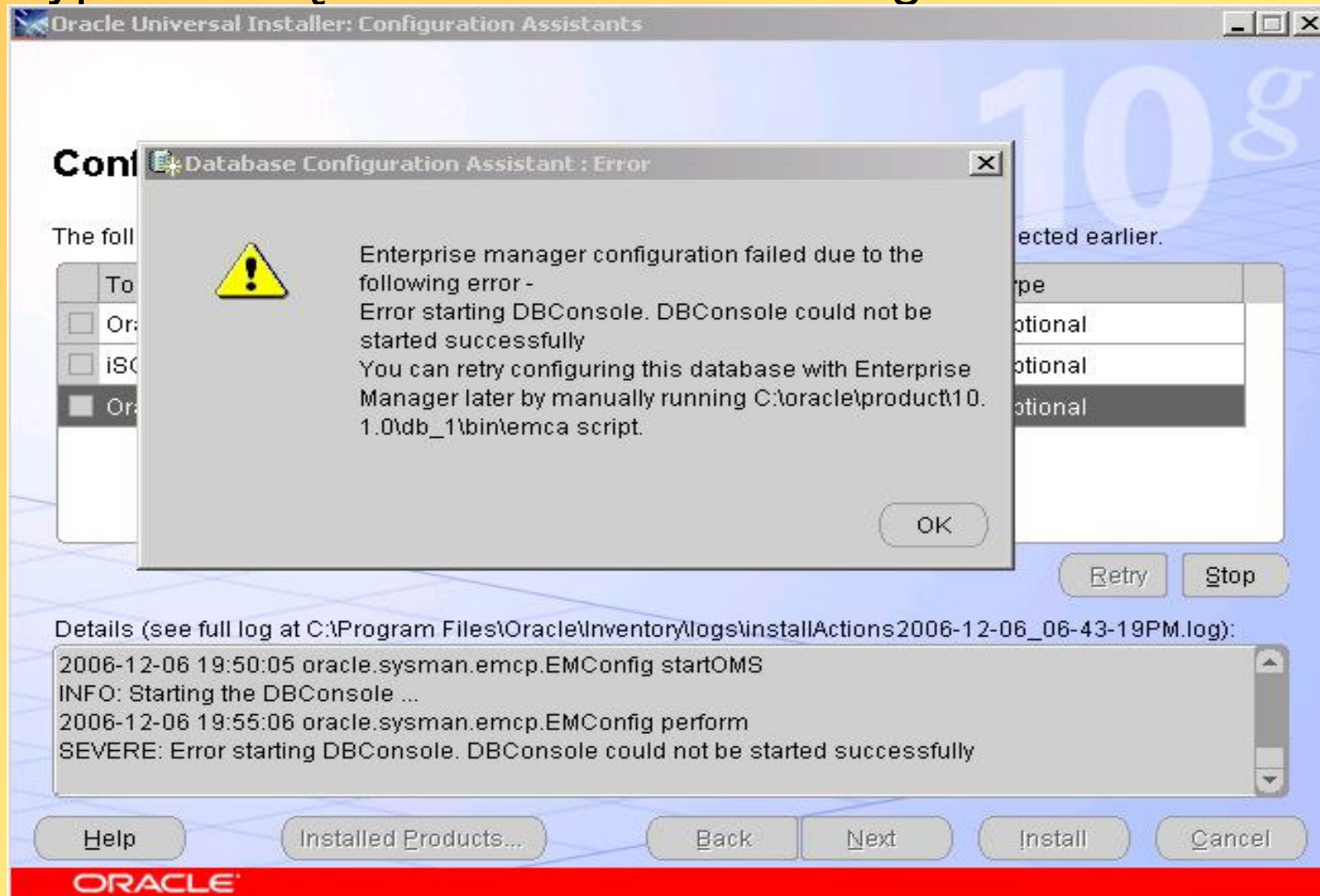
- Jeśli mamy połączenie internetowe poprzez DHCP, to należy je wyłączyć w systemie operacyjnym i jeszcze raz spróbować uruchomić usługę DBConsole.
- Niedokończone uruchomienie usługi DBConsole można sfinalizować uruchamiając aplikację Enterprise Manager poprzez przeglądarkę internetową, wpisując adres URL o schemacie:

`http://nazwa_hosta:port/em`

Np. `http://oracle.pkif.us.edu.pl:5500/em`

**Uwaga:** nr portu może być inny, np. po kilku próbach instalacji niepoprzedzonych skutecznym wyczyszczeniem systemu operacyjnego pozostałości wcześniejszych instalacji serwera Oracle może to być: 5502

- Gdy wymienione metody zawiodą, należy uruchomić skrypt **emca.bat**, o którym informuje instalator w przypadku błędu uruchomienia usługi DBConsole:



C:\oracle\product\10.1.0\Db\_1\BIN>emca.bat

**Uruchomienie skryptu emca.bat**

-----  
STARTED EMCA at Wen Dec 12 21:35:59 CET 2006

Enter the following information about the database to be configured

Listener port number: 5500

Database SID: oraserv

Service name: oraserv.us.edu.pl

Email address for notification:

Email gateway for notification:

Password for dbsnmp:

Password for sysman:

Password for sys:

-----  
You have specified the following settings

Database ORACLE\_HOME ..... C:\oracle\product\10.1.0\Db\_1

Enterprise Manager ORACLE\_HOME ..... C:\oracle\product\10.1.0\Db\_1

Database host name ..... oracle.pkif.us.edu.pl

Listener port number ..... 5500

Database SID ..... oraserv

Service name ..... oraserv.us.edu.pl

Email address for notification .....

Email gateway for notification .....

-----  
Do you wish to continue? [yes/no]: yes

DBConsole is already configured for the database oraserv

Would you like to re-configure DBConsole for the specified database? [yes/no]: yes

Make sure that DBConsole has been shutdown

When you are ready to continue, press <Enter>

2006-12-13 21:37:32 oracle.sysman.emcp.EMConfig checkConfiguration

SEVERE: Repository already exists. Fix the error(s) and run EM Configuration Assistant again in standalone mode.

Could not complete the configuration. Refer to the log file for details

**Problem, który często występuje podczas wykonywania skryptu emca.bat**

- Jeśli nie wystarczy zatrzymanie usługi **DBConsole**, np. korzystając z menedżera usług systemu operacyjnego Windows lub komendy systemu Windows:

**sc stop** Nazwa\_usługi

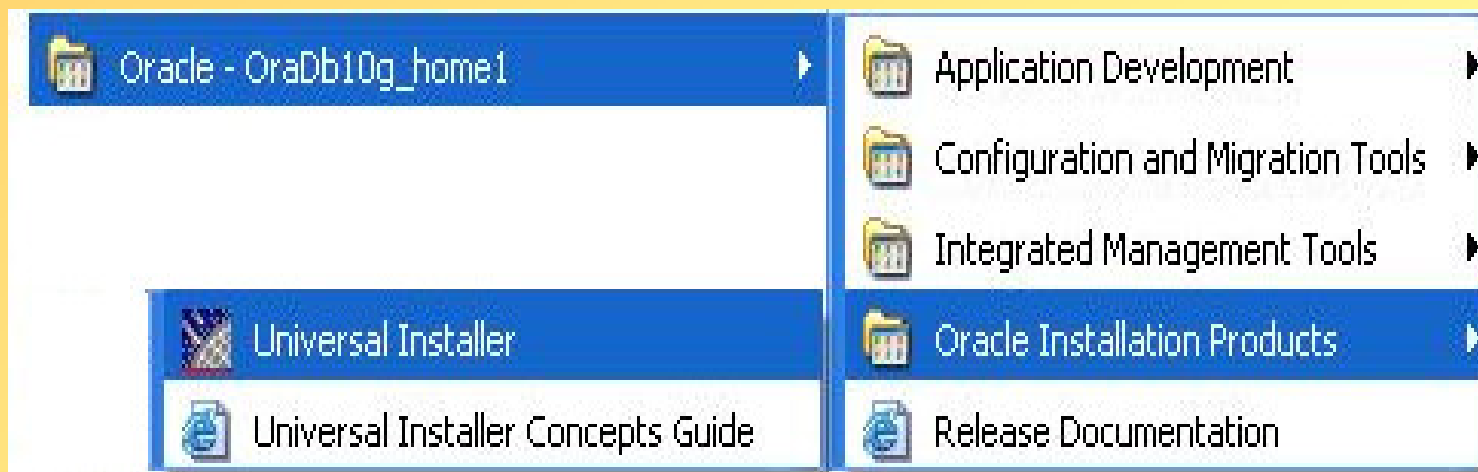
to trzeba usunąć tę usługę, aby poprawnie wykonać skrypt **emca.bat**

- Usługę systemu Windows można usunąć z rejestru tego systemu stosując komendę:

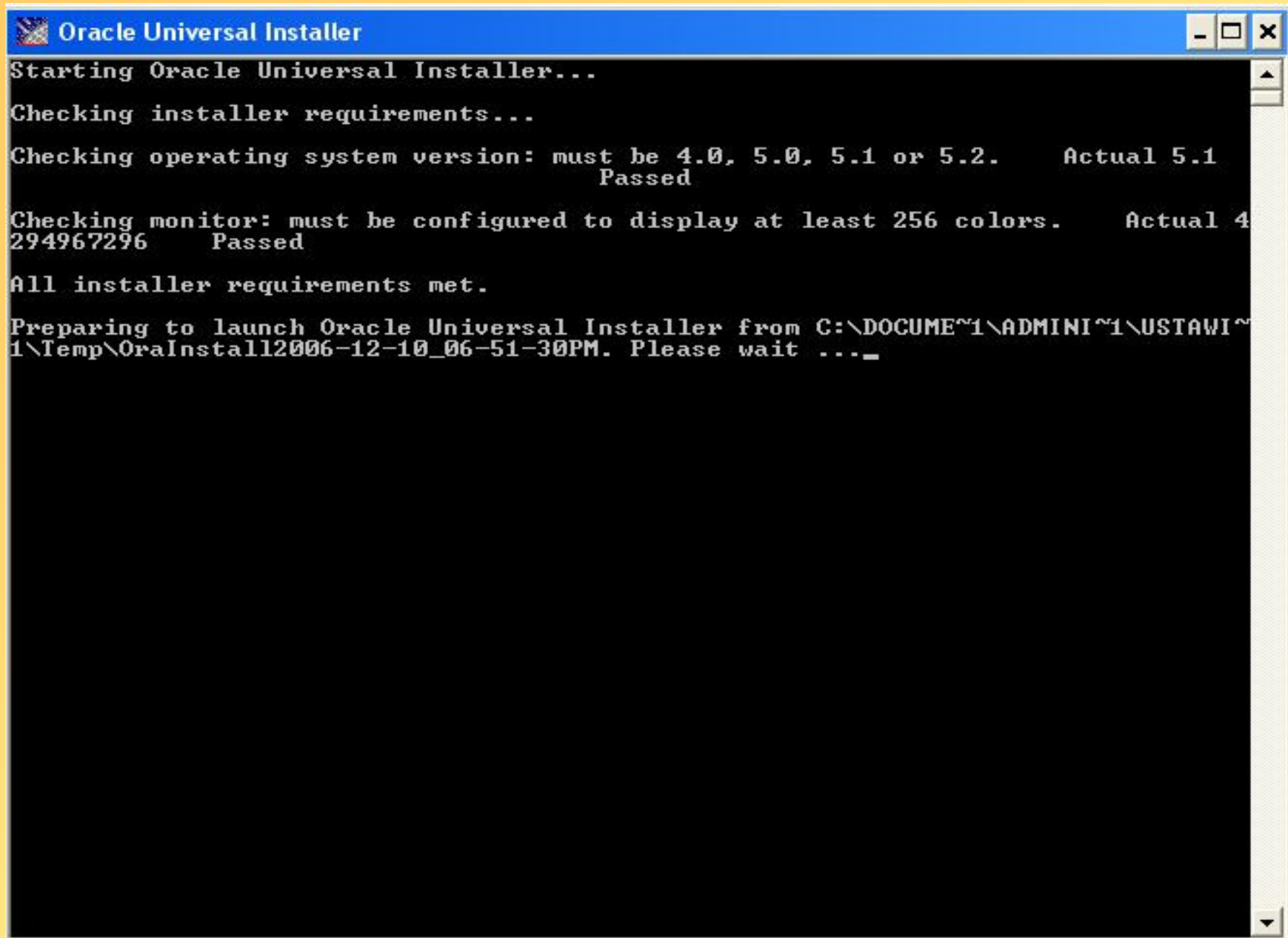
**sc delete** Nazwa\_usługi

# Pełna deinstalacja serwera bazy danych Oracle 10g

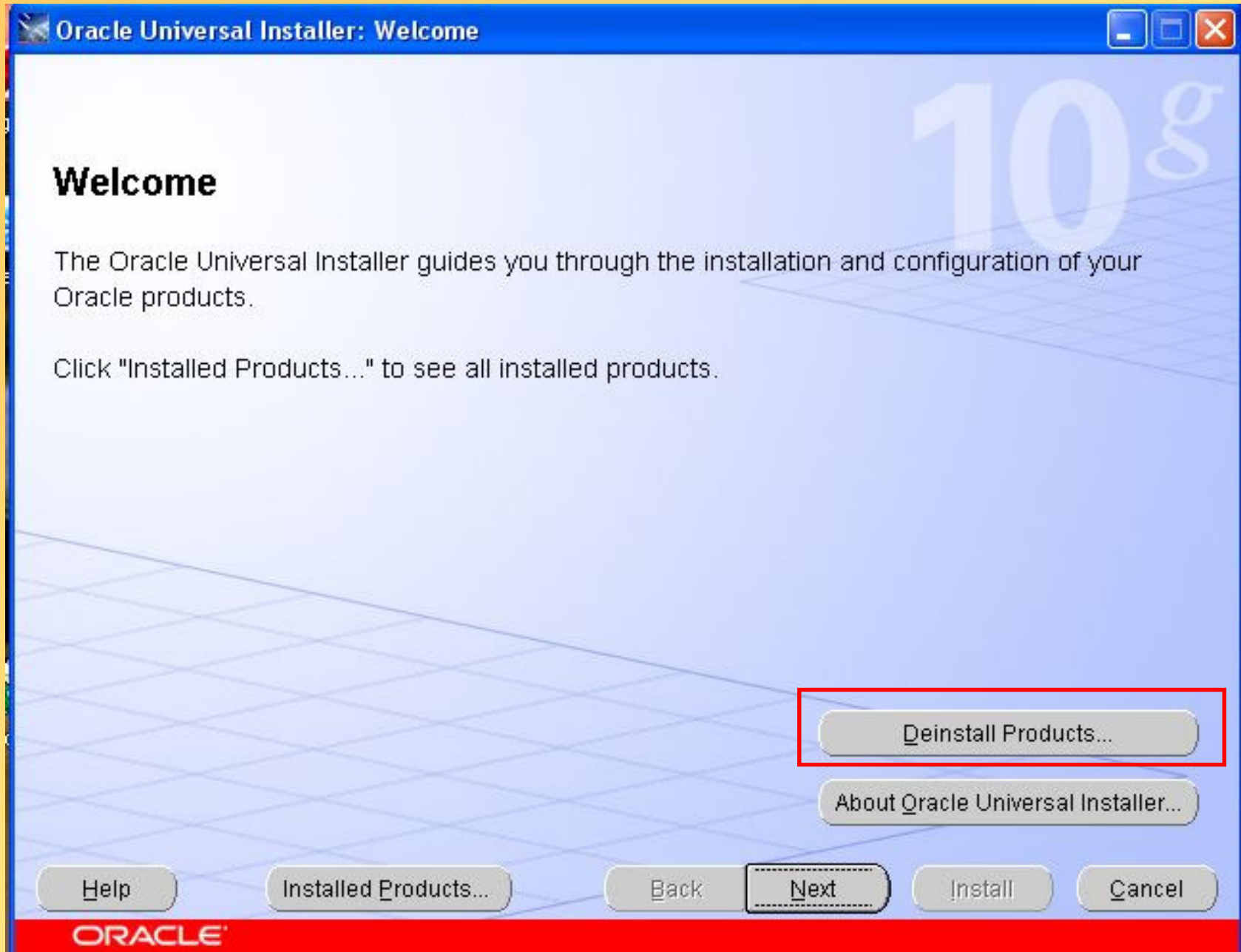
- Użycie instalatora Oracle do odinstalowania bazy danych (BD) i systemu zarządzania bazą danych (SZBD)

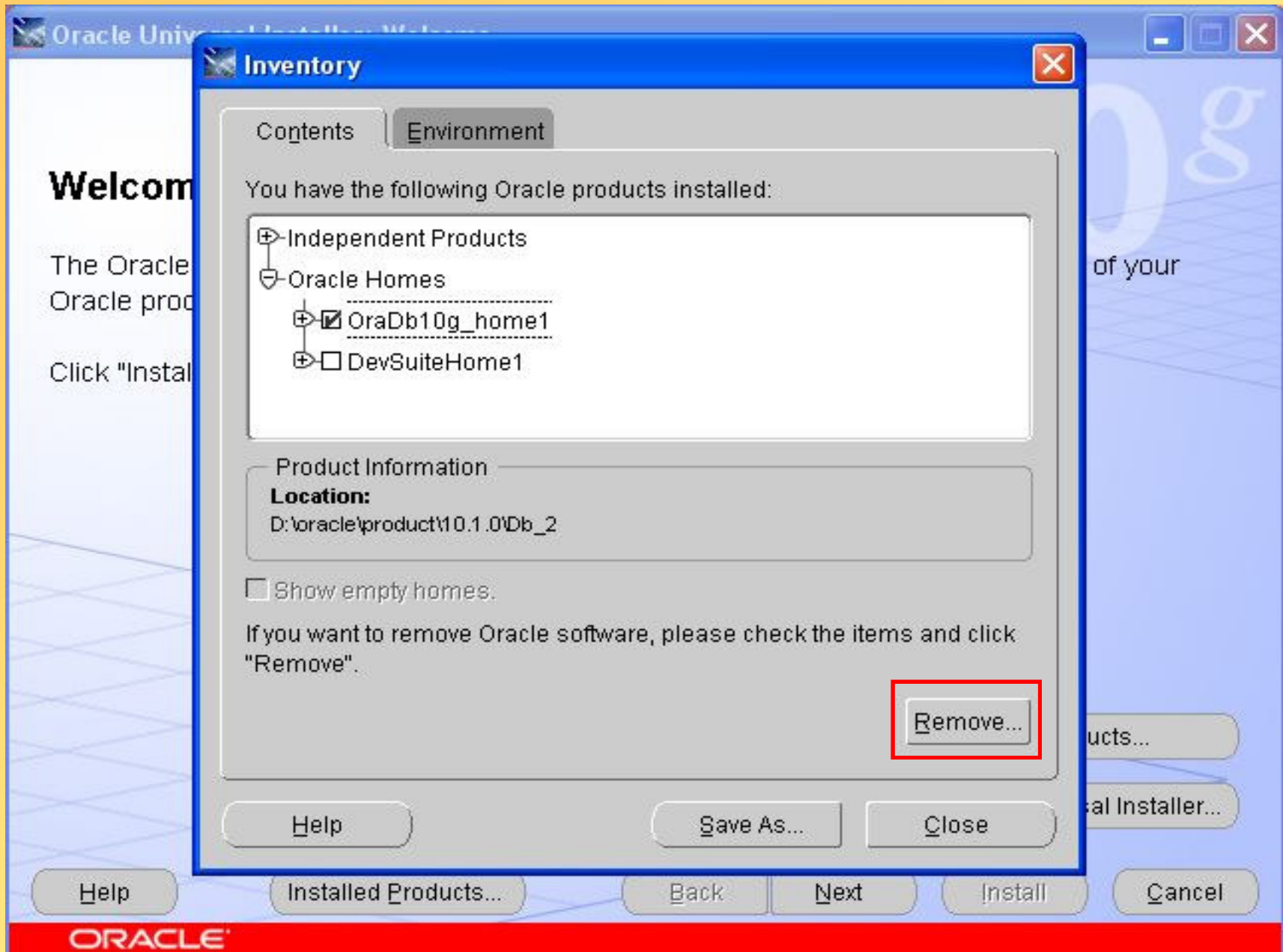






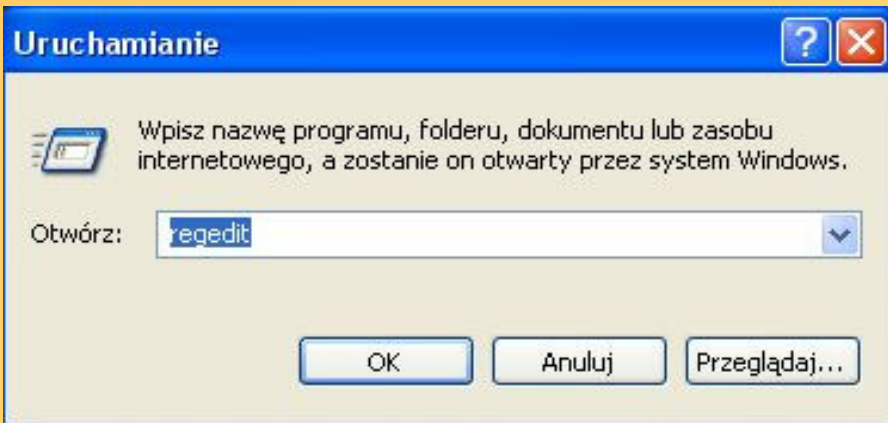
```
Oracle Universal Installer
Starting Oracle Universal Installer...
Checking installer requirements...
Checking operating system version: must be 4.0, 5.0, 5.1 or 5.2.    Actual 5.1
                                     Passed
Checking monitor: must be configured to display at least 256 colors.    Actual 4
294967296    Passed
All installer requirements met.
Preparing to launch Oracle Universal Installer from C:\DOCUME~1\ADMINI~1\USTAWI~
1\Temp\OraInstall12006-12-10_06-51-30PM. Please wait ..._
```



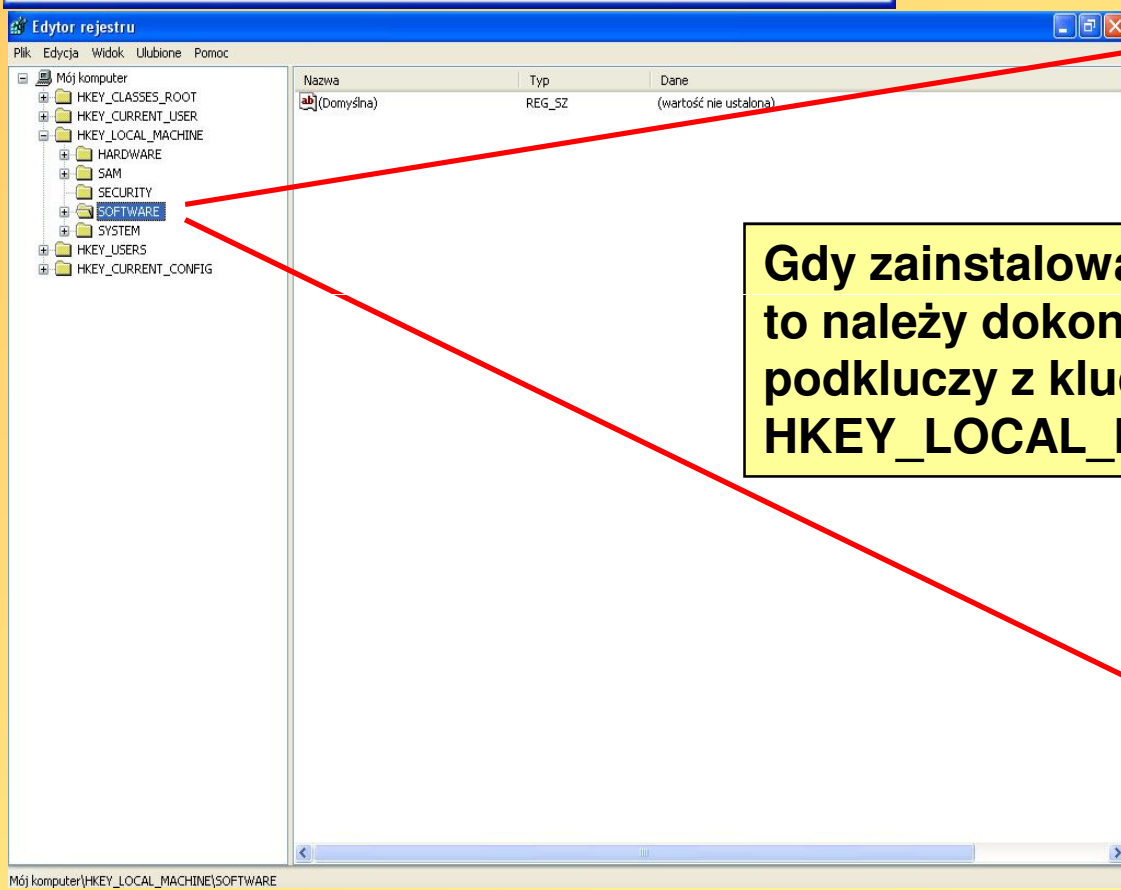


## Dodatkowe czynności deinstalacyjne serwera bazy danych Oracle

- Należy usunąć katalog z produktami Oracle'a, stanowiący odpowiedni "dom Oracle'a" (ORACLE\_HOME). W naszym przypadku dom **OraDB10g\_home1** jest katalogiem:  
**C:\oracle\product\10.1.0\Db\_1**
- Dodatkowo należy usunąć katalog Oracle z katalogu Program Files na dysku systemowym. Najczęściej jest to:  
**C:\Program Files\Oracle**
- Na koniec należy **usunąć odpowiednie klucze Oracle'a z rejestru** systemu operacyjnego Windows



**Gdy spośród narzędzi Oracle'a zainstalowany był tylko serwer bazy danych usuwamy z klucza HKEY\_LOCAL\_MACHINE\SOTWARE podklucz:**



**Gdy zainstalowane były inne narzędzia Oracle'a, to należy dokonać wyboru usuwanych podkluczy z klucza HKEY\_LOCAL\_MACHINE\SOTWARE\ORACLE:**

