



Instalasi SOFTWARE DATABASE oracle

1

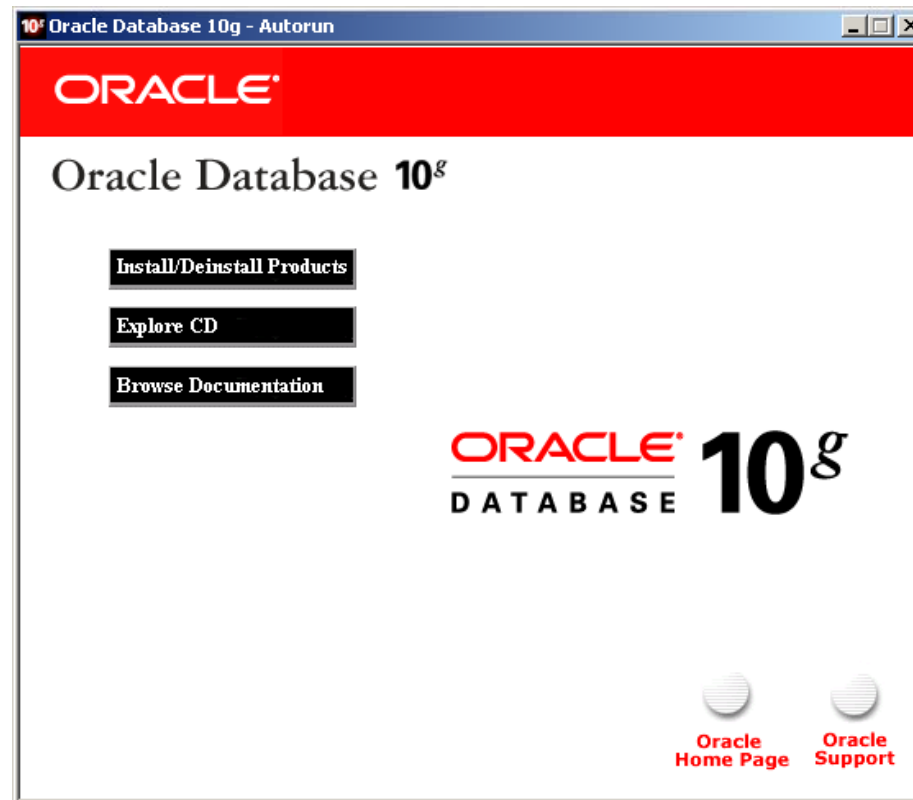


Kebutuhan Sistem

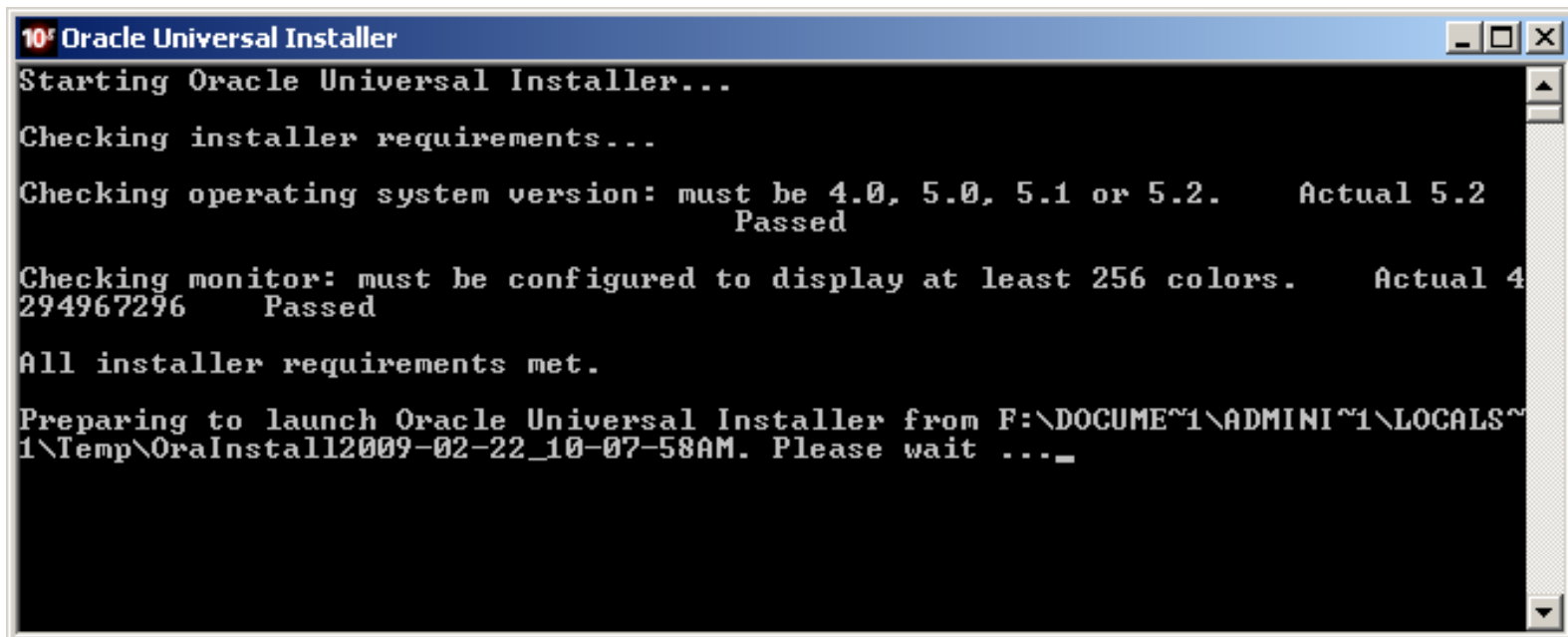
- 512 MB physical random access memory (RAM)
- 1 GB swap space (atau dua kali ukuran RAM, jika ukuran RAM \leq 2 GB)
- 400 MB temporary directory (\temp)
- 1.5 GB disk space untuk software Database Oracle
- 1.5 GB disk space untuk database



Instalasi Oracle Database



Instalasi Oracle Database



```
10 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 5.2
                               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 F:\DOCUME~1\ADMINI~1\LOCALS~
1\Temp\OraInstall2009-02-22_10-07-58AM. Please wait ..._
```

Oracle Universal Installer (OUI)

Oracle Database 10g Installation - Installation Method

Select Installation Method

Basic Installation
Perform full Oracle Database 10g installation with standard configuration options requiring minimal input. This option uses file system for storage, and a single password for all database accounts.

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.

ORACLE

Metode Instalasi

Oracle Database 10g Installation - Installation Method

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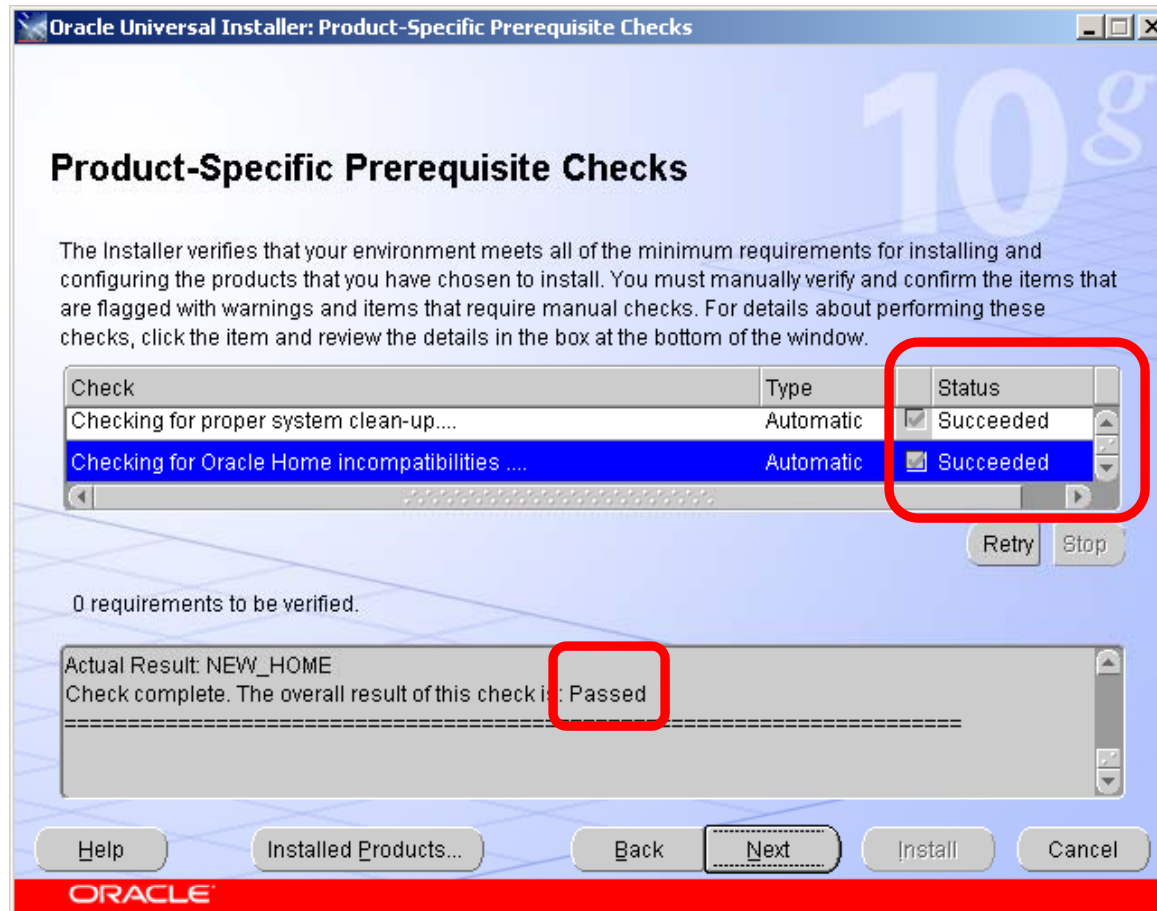
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Allows advanced selections such as different passwords for the SYS, SYSTEM, SYSMAN, and DBSNMP accounts, database character set, product languages, automated backups, custom installation, and alternative storage options such as Automatic Storage Management.

ORACLE

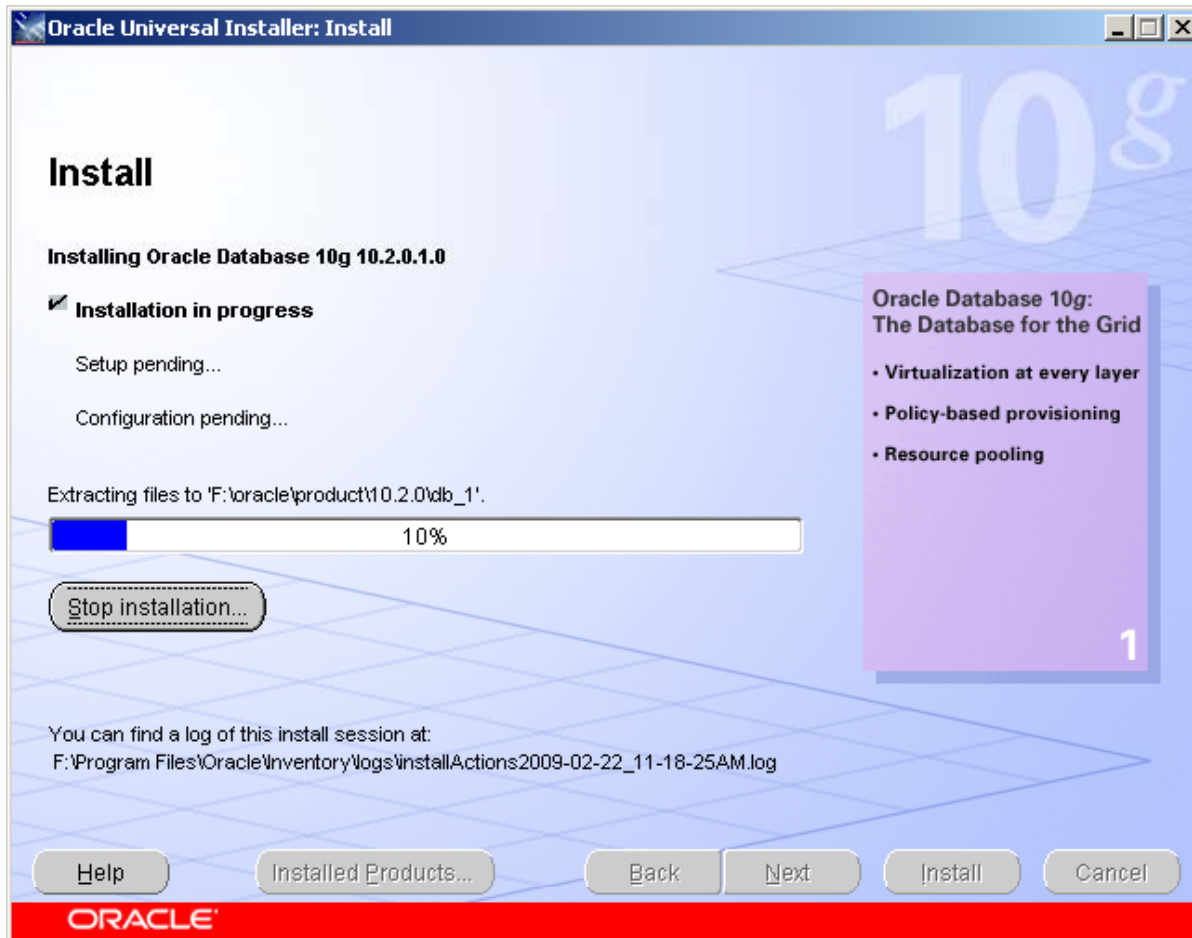
Pemeriksaan Prasyarat



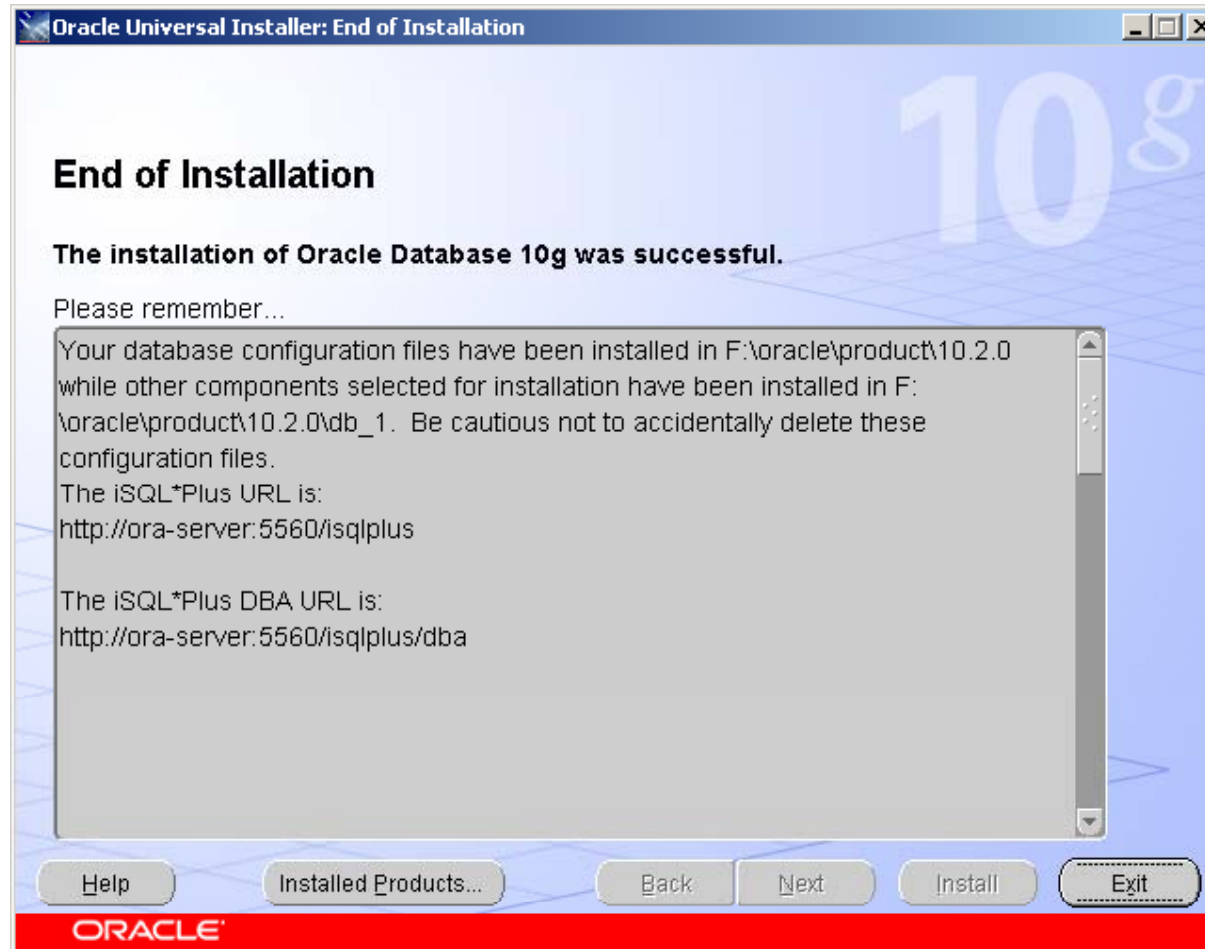
Summary



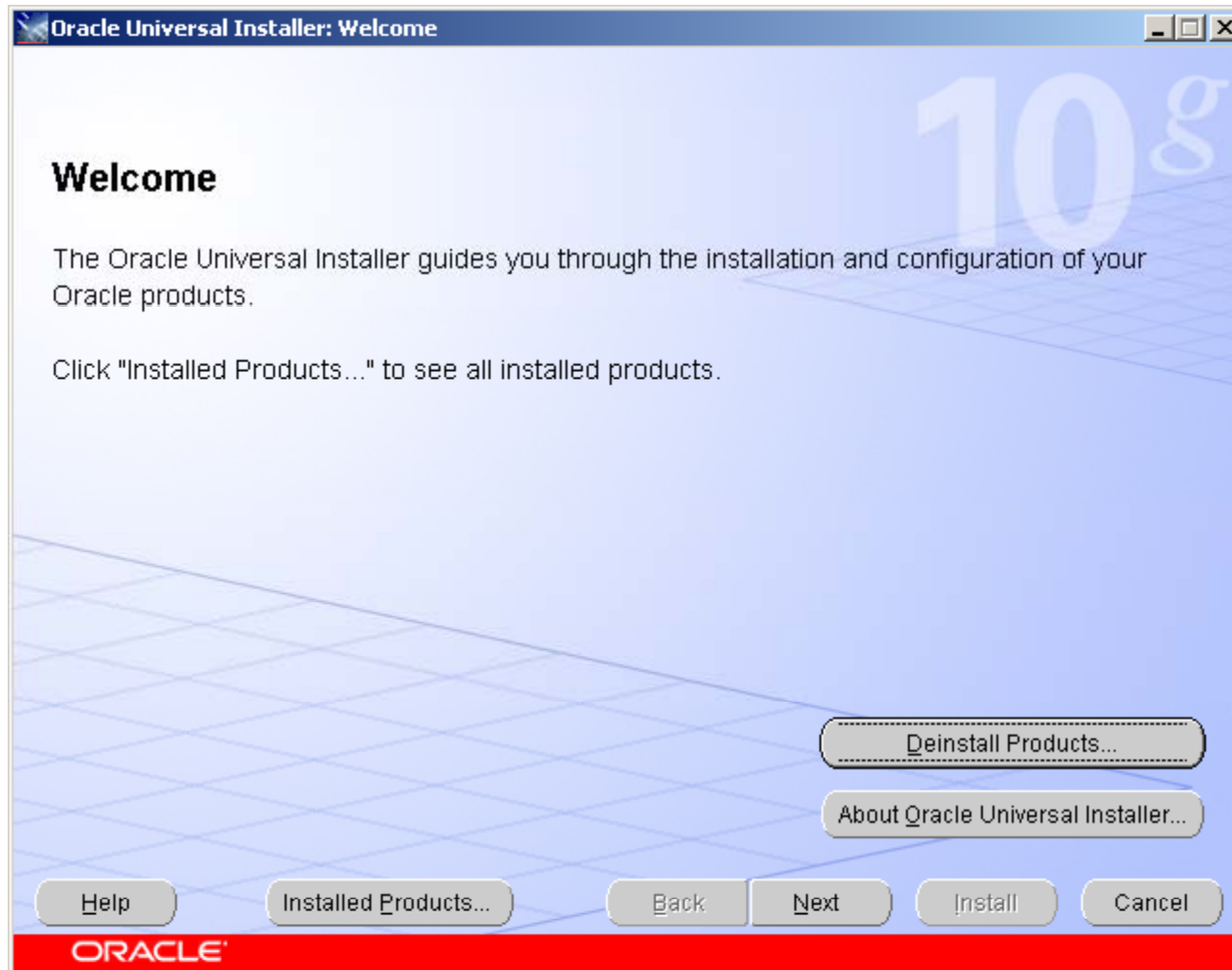
Proses Instalasi



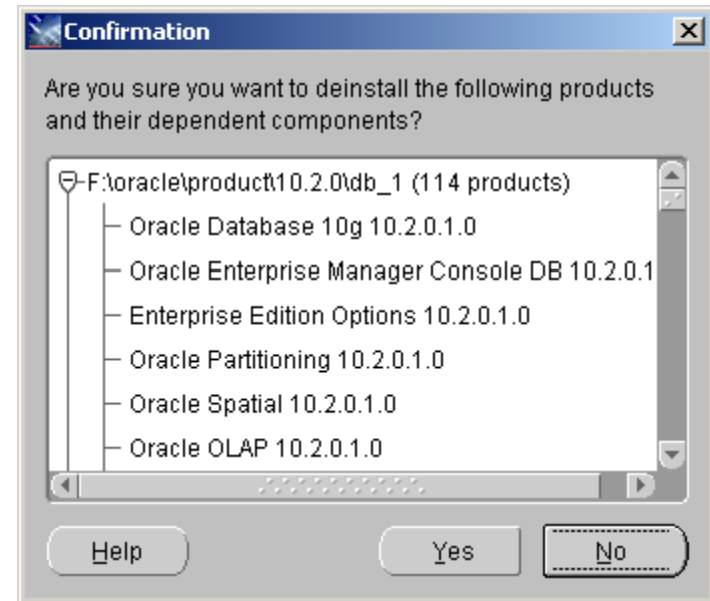
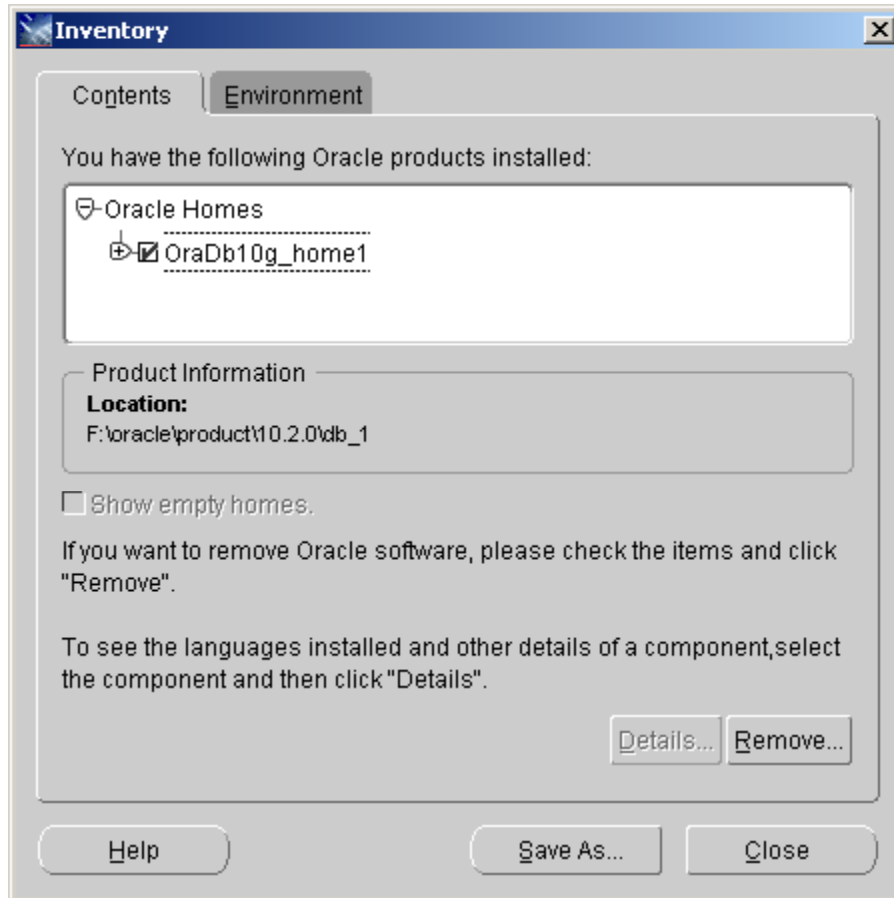
Akhir Proses Instalasi



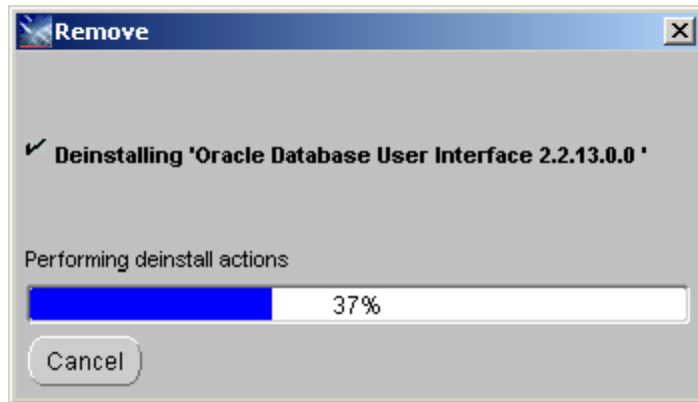
Uninstall Oracle Database



Uninstall Oracle Database



Proses Uninstall



ORACLE ACADEMY



ORACLE
DATABASE **10^g**



MEMBUAT & MENGHAPUS DATABASE

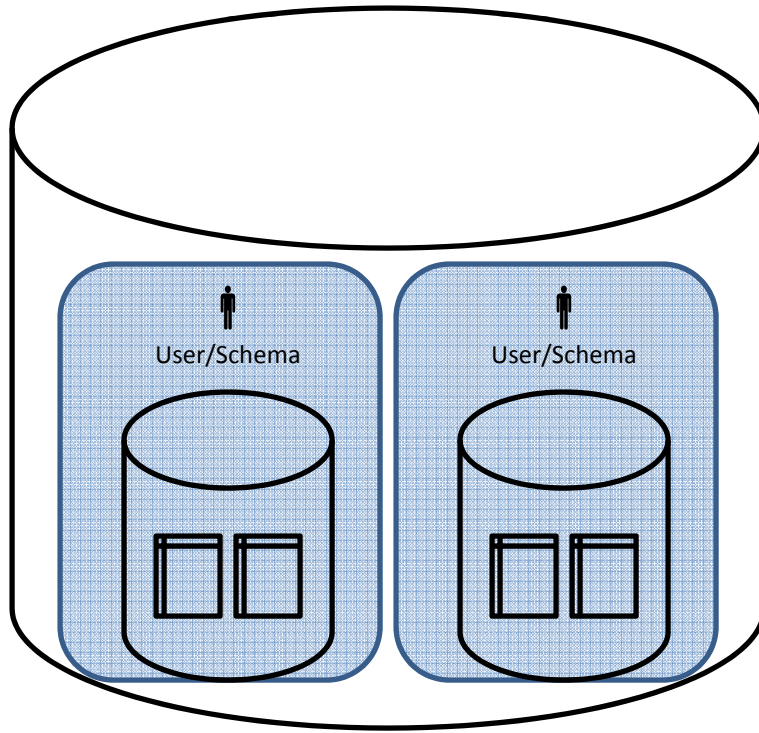
2



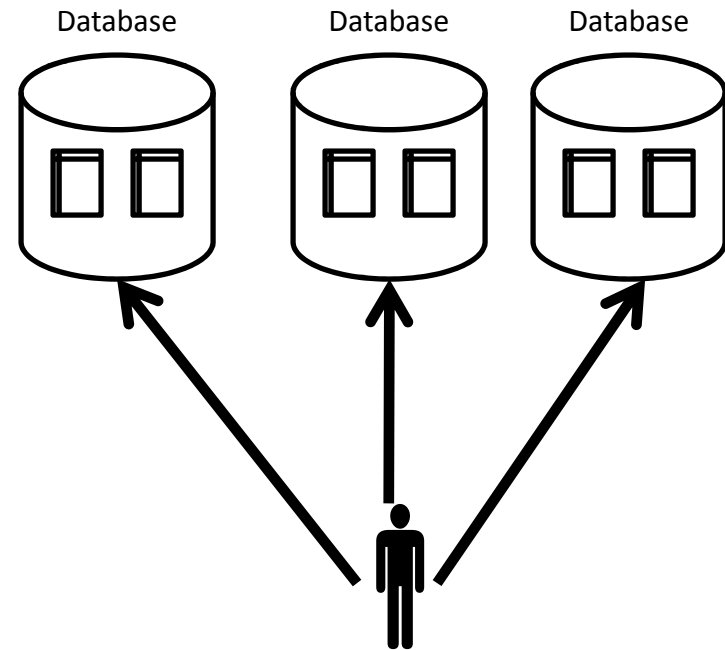
Konsep Database

Oracle

Database



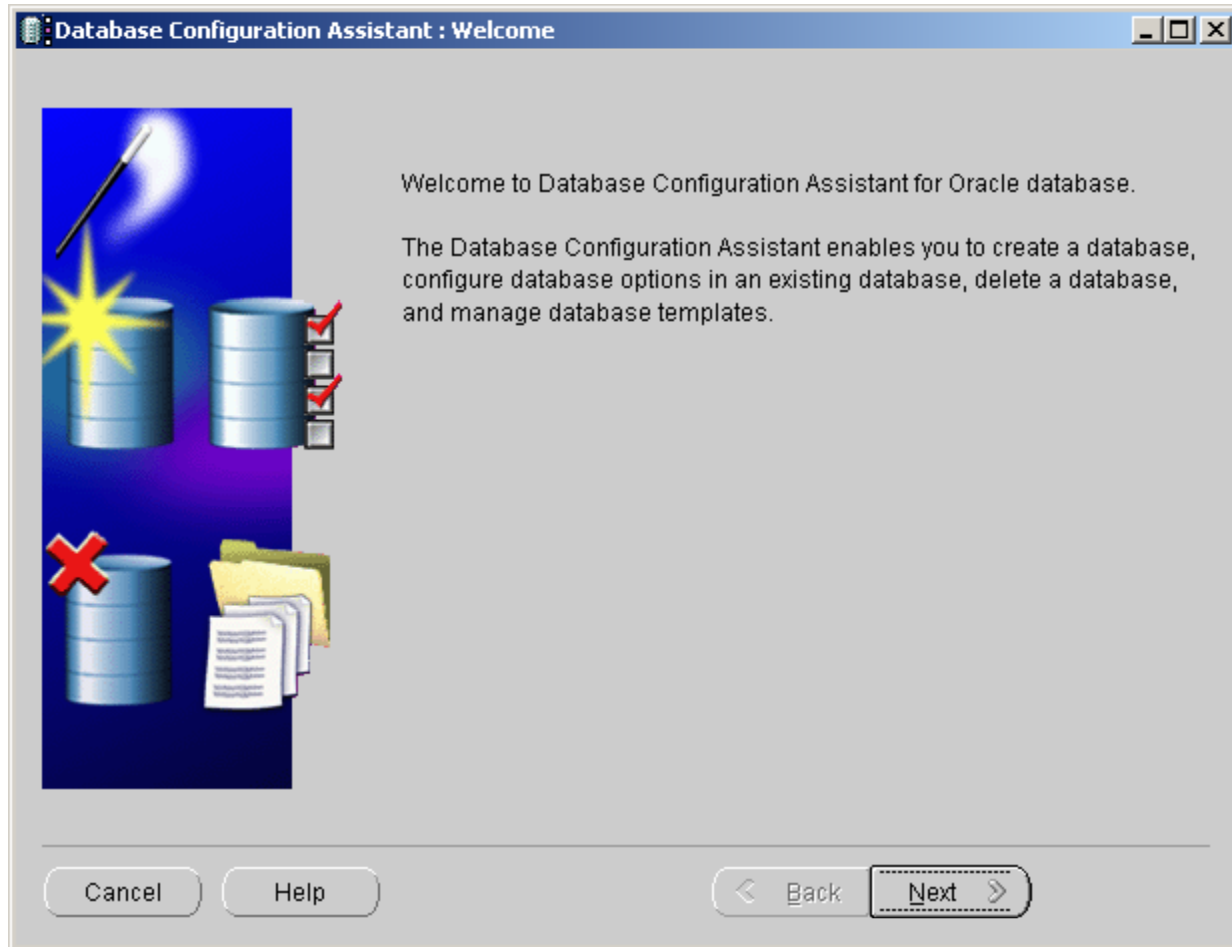
**DBMS Lain
(MySQL, SQL Server)**



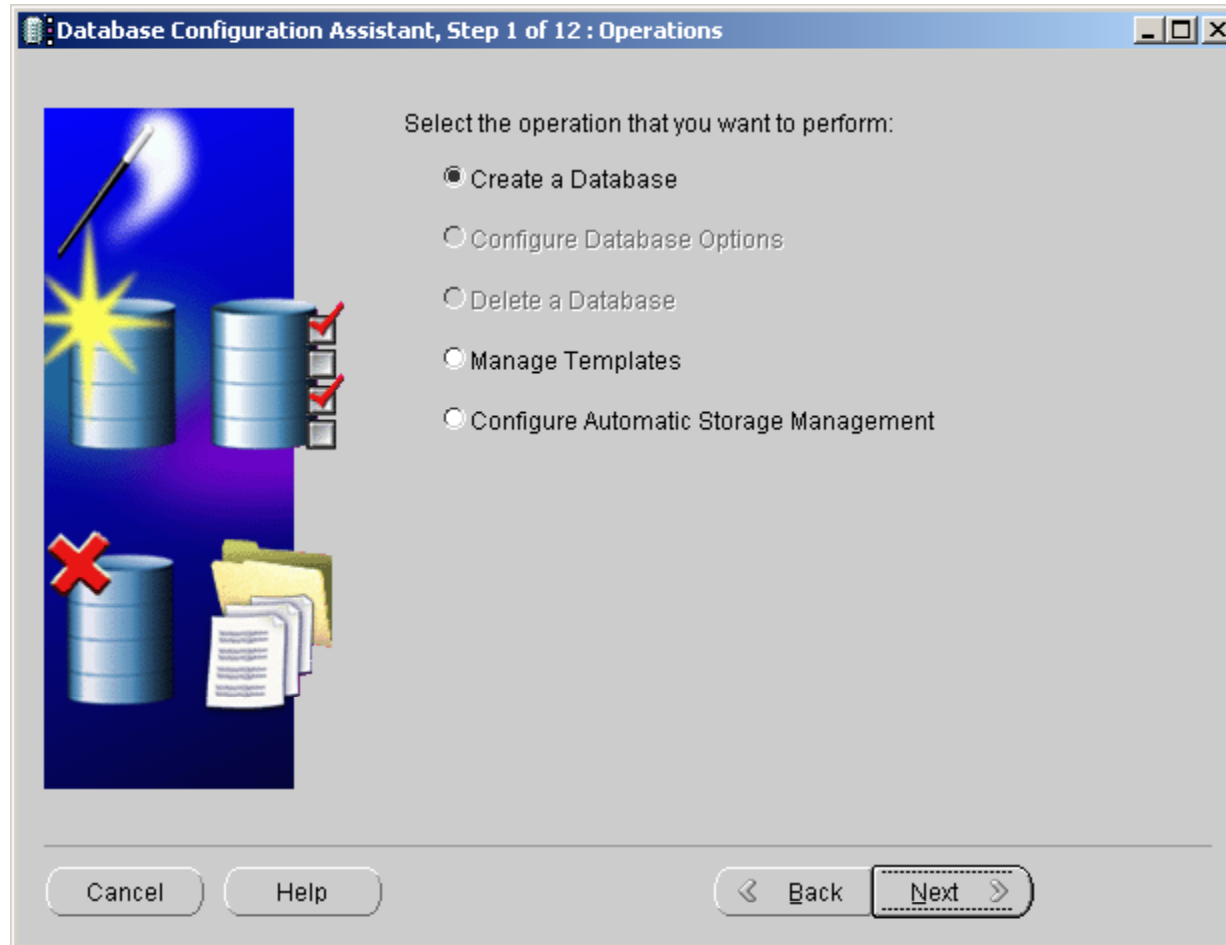
Membuat Database

- Membuat database dapat dilakukan dengan 2 cara yaitu :
 - Menggunakan Database Configuration Assistant (DBCA)
 - Menggunakan perintah SQL (CREATE DATABASE)

Membuat Database Dengan DBCA



Operations



Database Templates

Database Configuration Assistant, Step 2 of 12 : Database Templates

Select a template from the following list to create a database:

Select	Template
<input type="radio"/>	Custom Database
<input type="radio"/>	Data Warehouse
<input checked="" type="radio"/>	General Purpose
<input type="radio"/>	Transaction Processing

General Purpose

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

Common Options

Option	Selected
Oracle JVM	true
Oracle Data Mining	true
Oracle Text	true
Oracle XML DB	true
Oracle Intermedia	true

Save as an HTML file...


Close Help

Show Details...

Cancel Help Back Next

Database Identification

Database Configuration Assistant, Step 3 of 12 : Database Identification



An Oracle database is uniquely identified by a Global Database Name, typically of the form "name.domain".

Global Database Name:

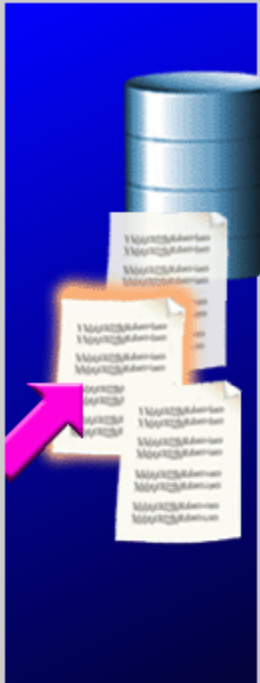
A database is referenced by at least one Oracle instance which is uniquely identified from any other instance on this computer by an Oracle System Identifier (SID).

SID:

Cancel Help < Back Next >

Management Options

Database Configuration Assistant, Step 4 of 12 : Management Options



Each Oracle database may be managed centrally using the Oracle Enterprise Manager Grid Control or locally using the Oracle Enterprise Manager Database Control. Choose the management option that you would like to use to manage this database.

Configure the Database with Enterprise Manager

Use Grid Control for Database Management

Management Service:

Use Database Control for Database Management

Enable Email Notifications

Outgoing Mail (SMTP) Server:

Email Address:

Enable Daily Backup

Backup Start Time: AM PM

OS Username:

Password:

Cancel Help Back Next

Database Credentials

Database Configuration Assistant, Step 5 of 12 : Database Credentials

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

Use the Same Password for All Accounts


Password:

Confirm Password:

Use Different Passwords

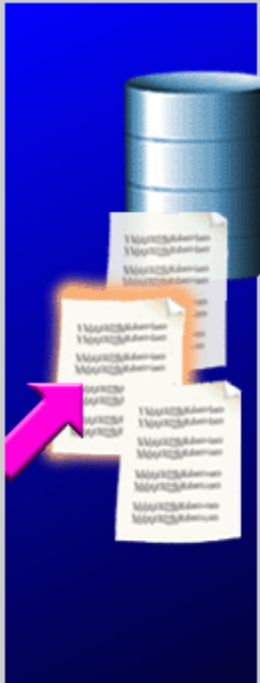
User Name	Password	Confirm Pass
SYS		
SYSTEM		
DBSNMP		
SYSMAN		

Cancel Help Back Next



Storage Options

Database Configuration Assistant, Step 6 of 12 : Storage Options



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

File System
Use the File System for Database storage.

Automatic Storage Management (ASM)
Automatic Storage Management simplifies database storage administration and optimizes database layout for I/O performance. To use this option you must either specify a set of disks to create an ASM disk group or specify an existing ASM disk group.

Raw Devices
Raw partitions or volumes can provide the required shared storage for Real Application Clusters (RAC) databases if you do not use Automatic Storage Management and a Cluster File System is not available. You need to have created one raw device for each datafile, control file, and log file you are planning to create in the database.

Specify Raw Devices Mapping File

Database File Locations

Database Configuration Assistant, Step 7 of 12 : Database File Locations

Specify locations for the Database files to be created:


Use Database File Locations from Template

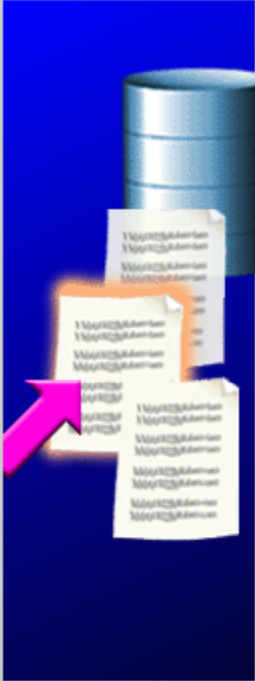
Use Common Location for All Database Files

Database Files Location:

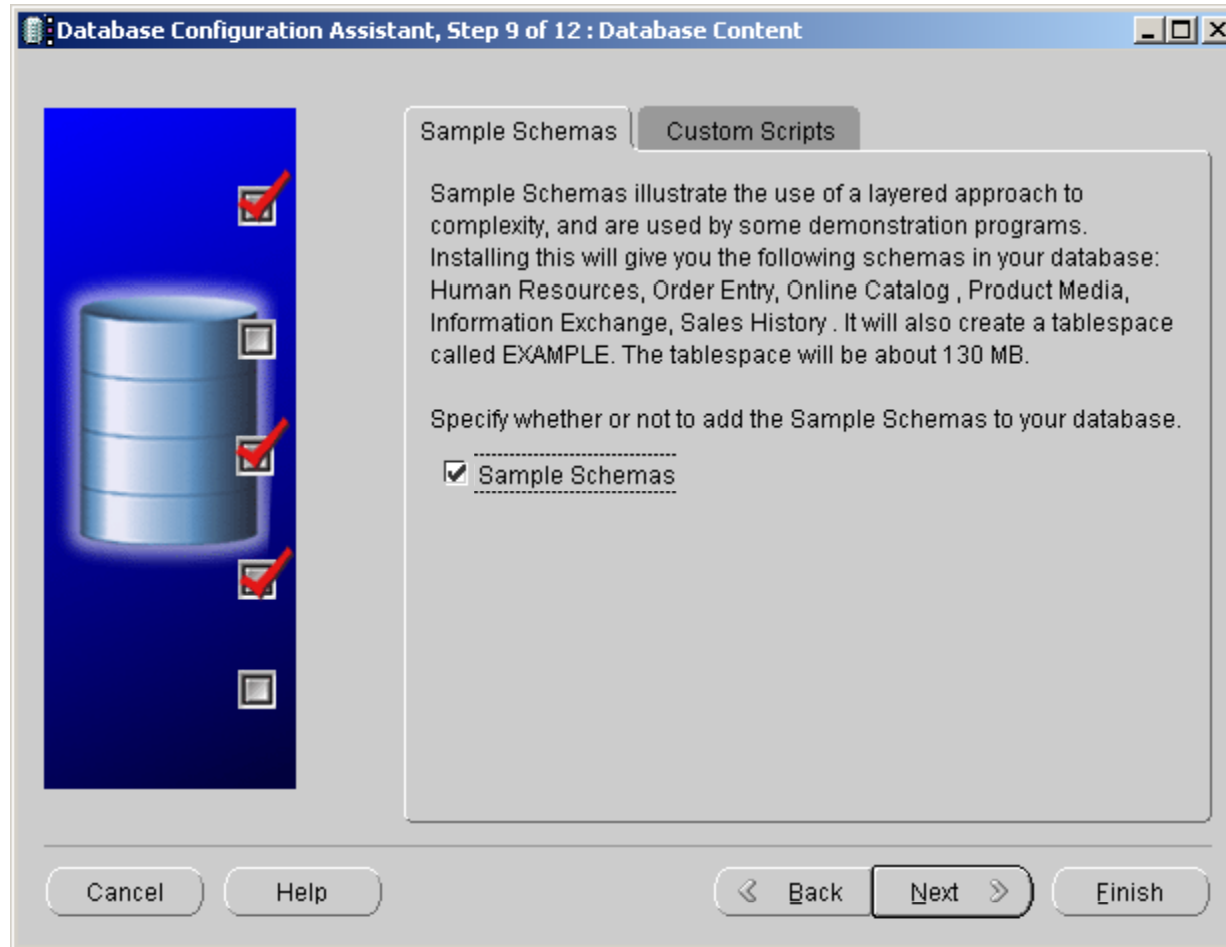
Use Oracle-Managed Files

Database Area:

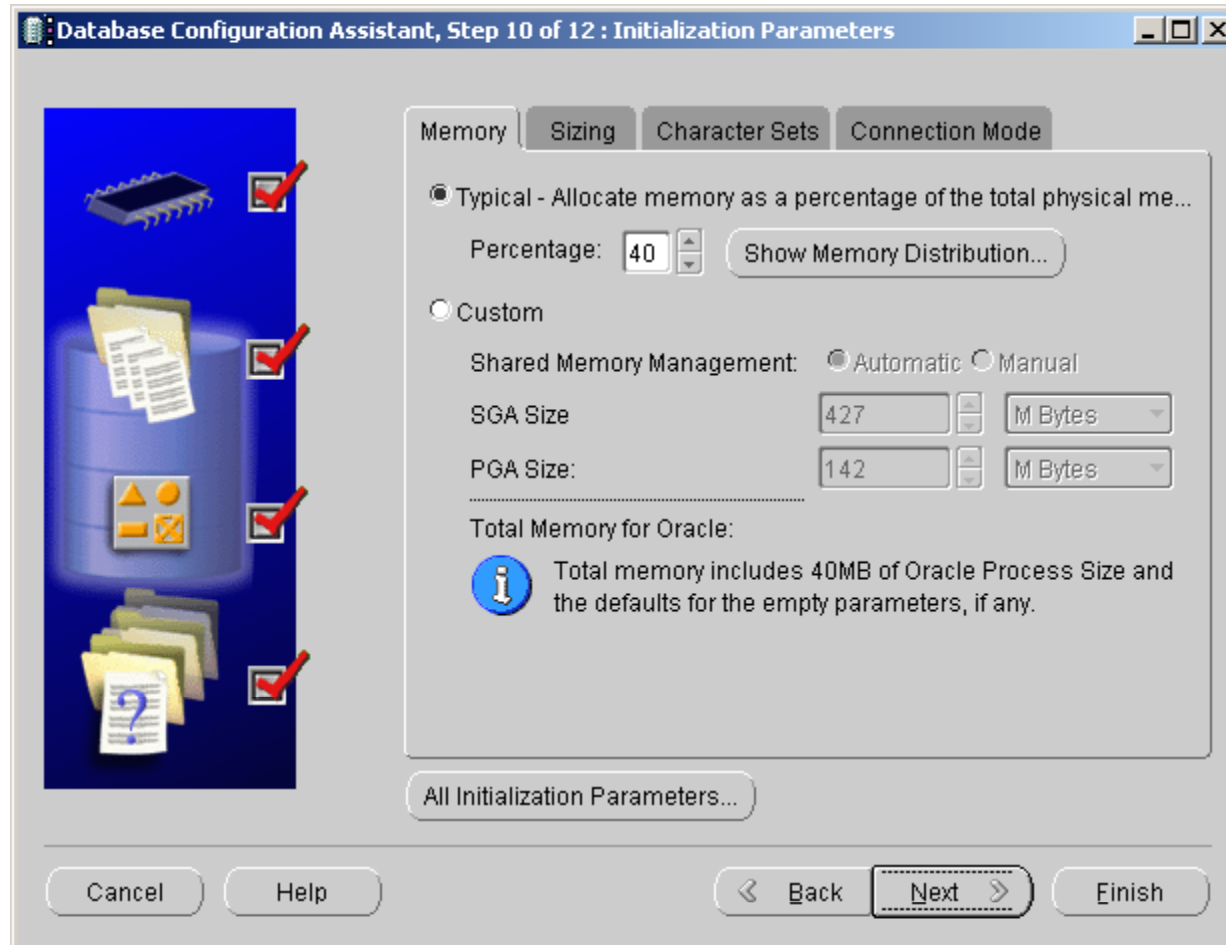
 If you want to specify different locations for any database files, pick either of the above options and use the Storage page to specify each location.



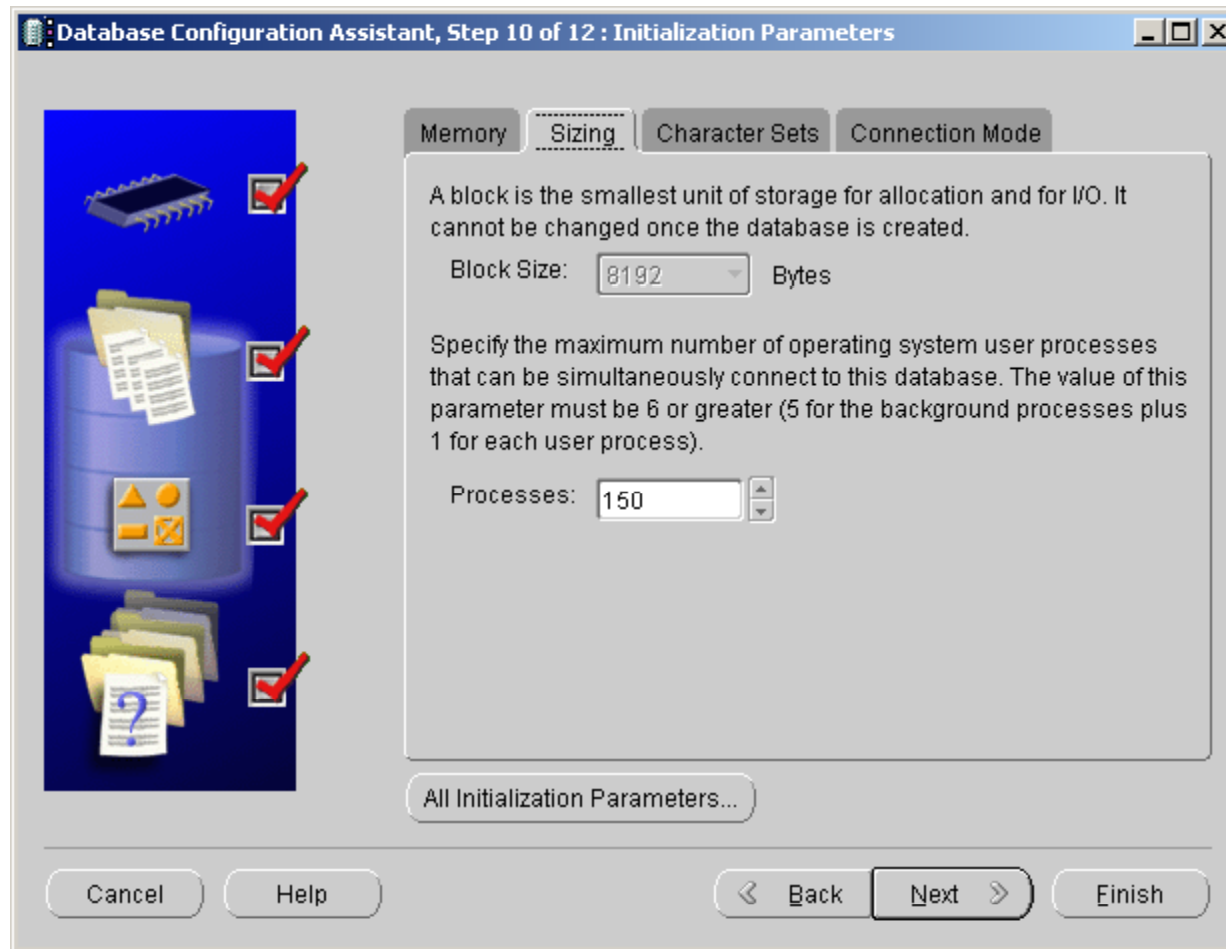
Database Content



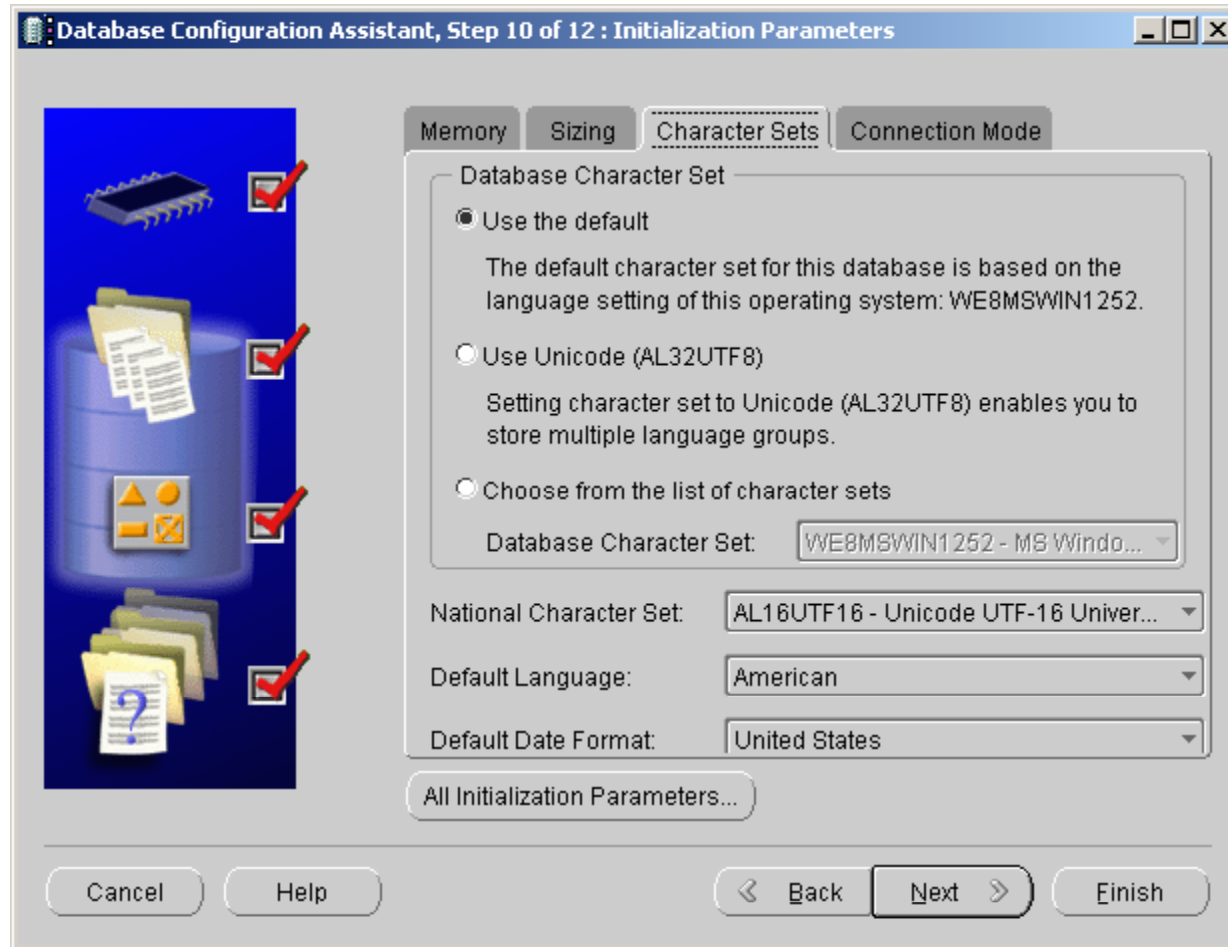
Initialization Parameters (1)



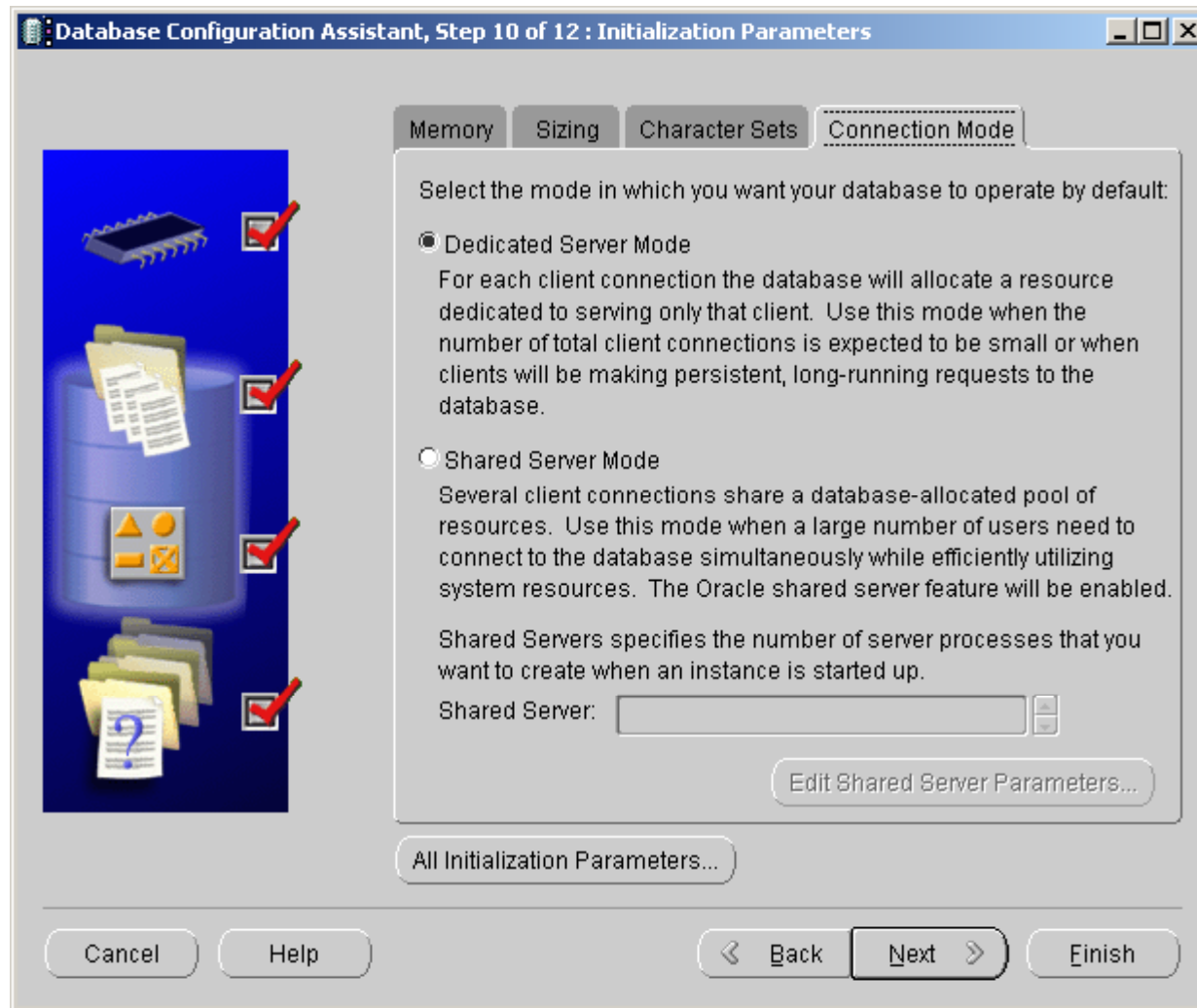
Initialization Parameters (2)



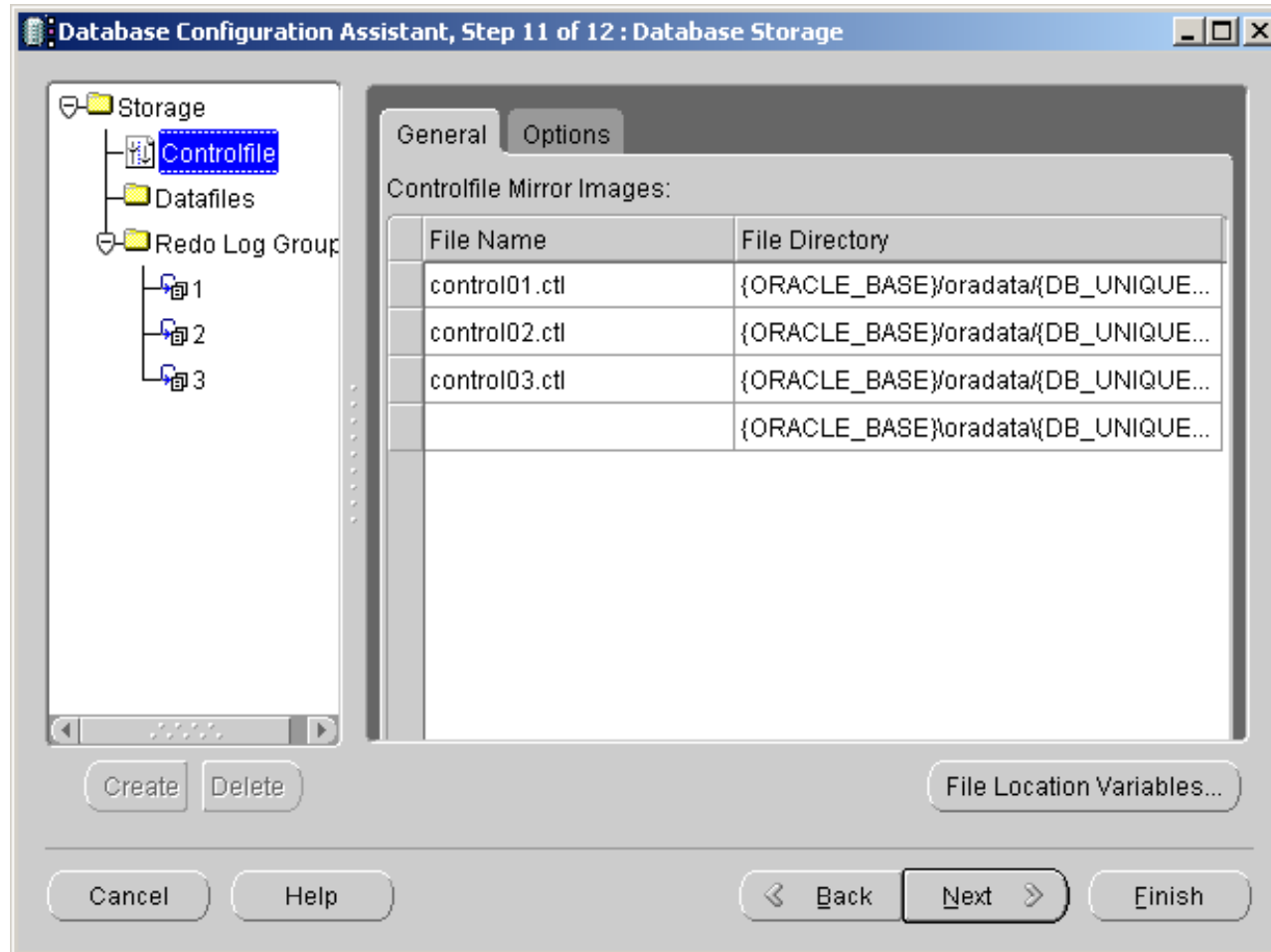
Initialization Parameters (3)



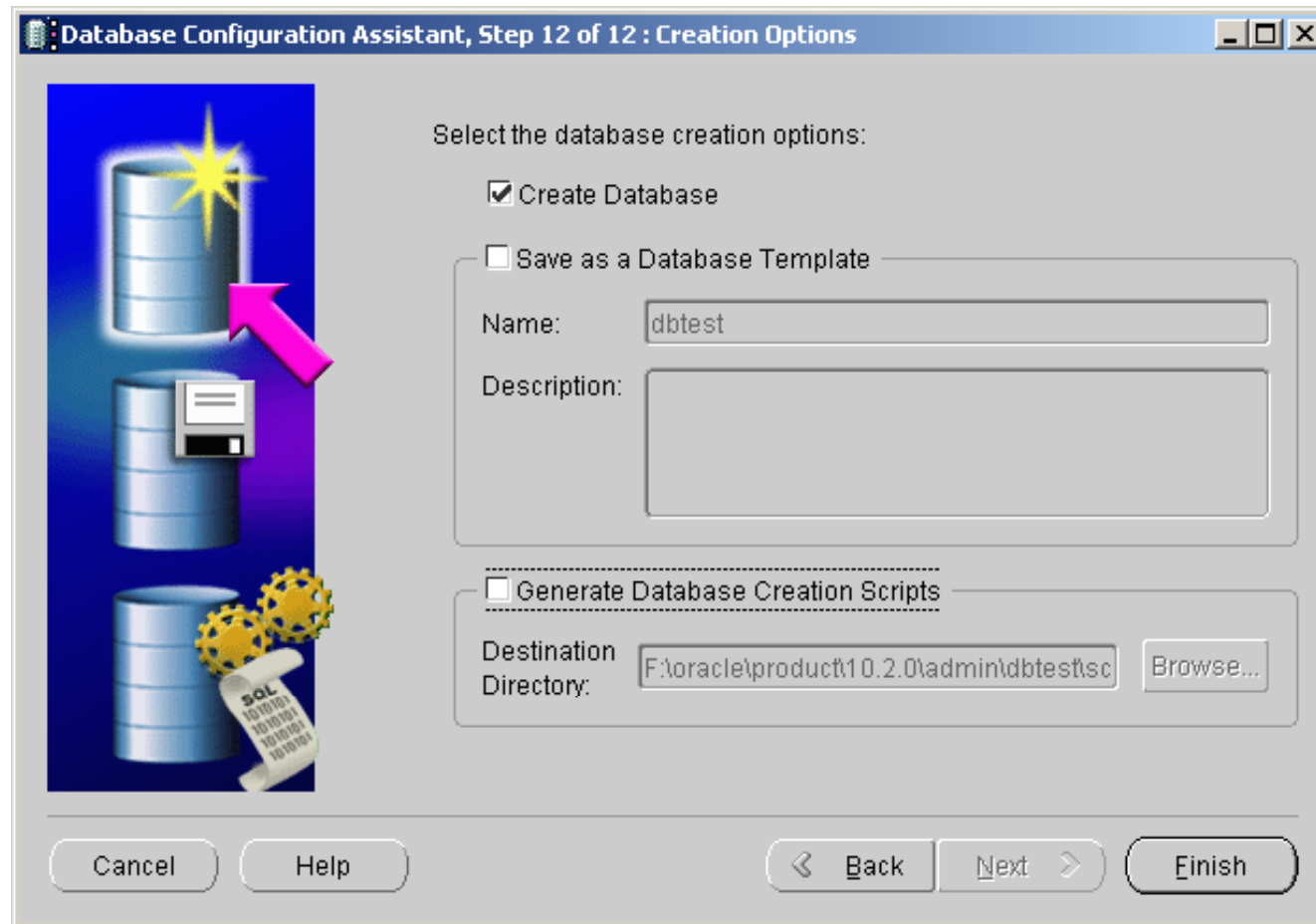
Initialization Parameters (4)



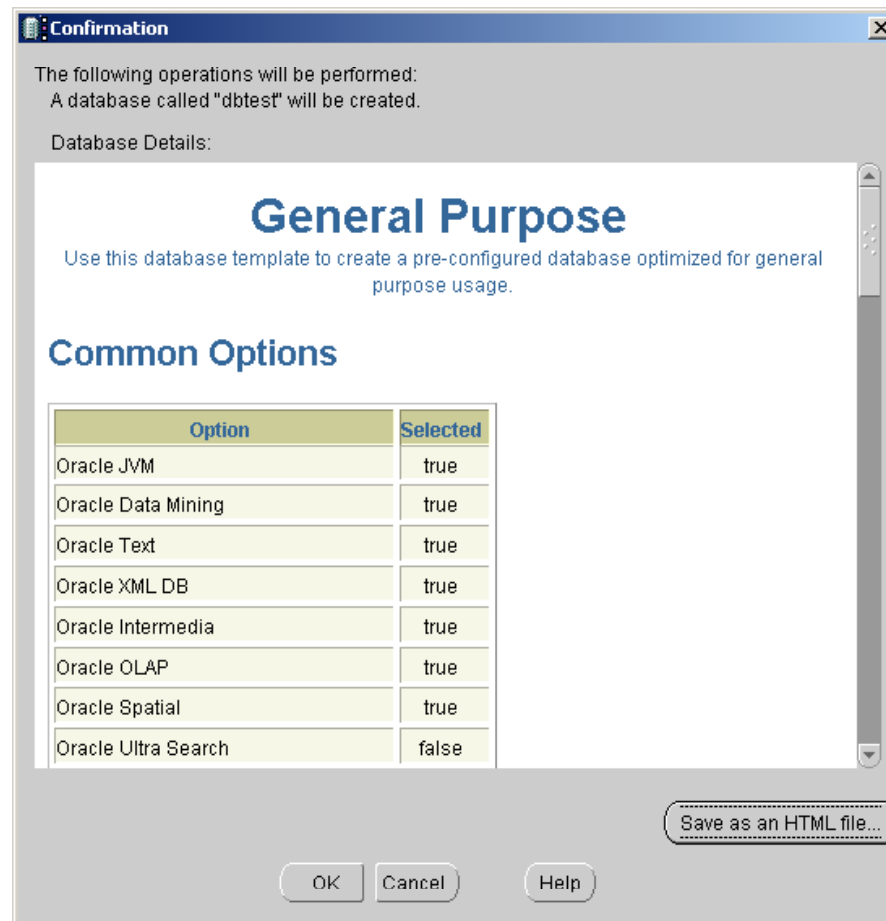
Database Storage



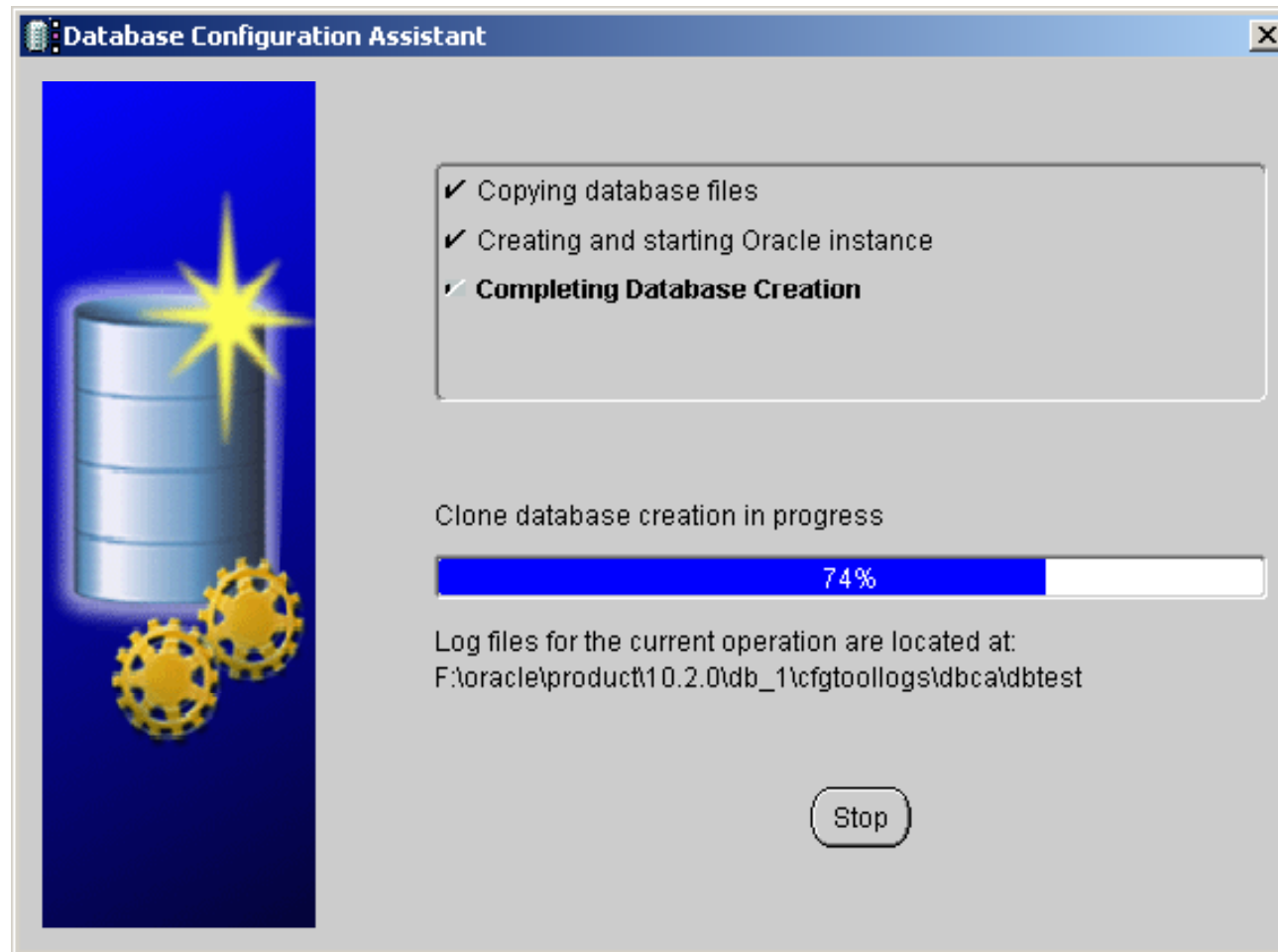
Creation Options



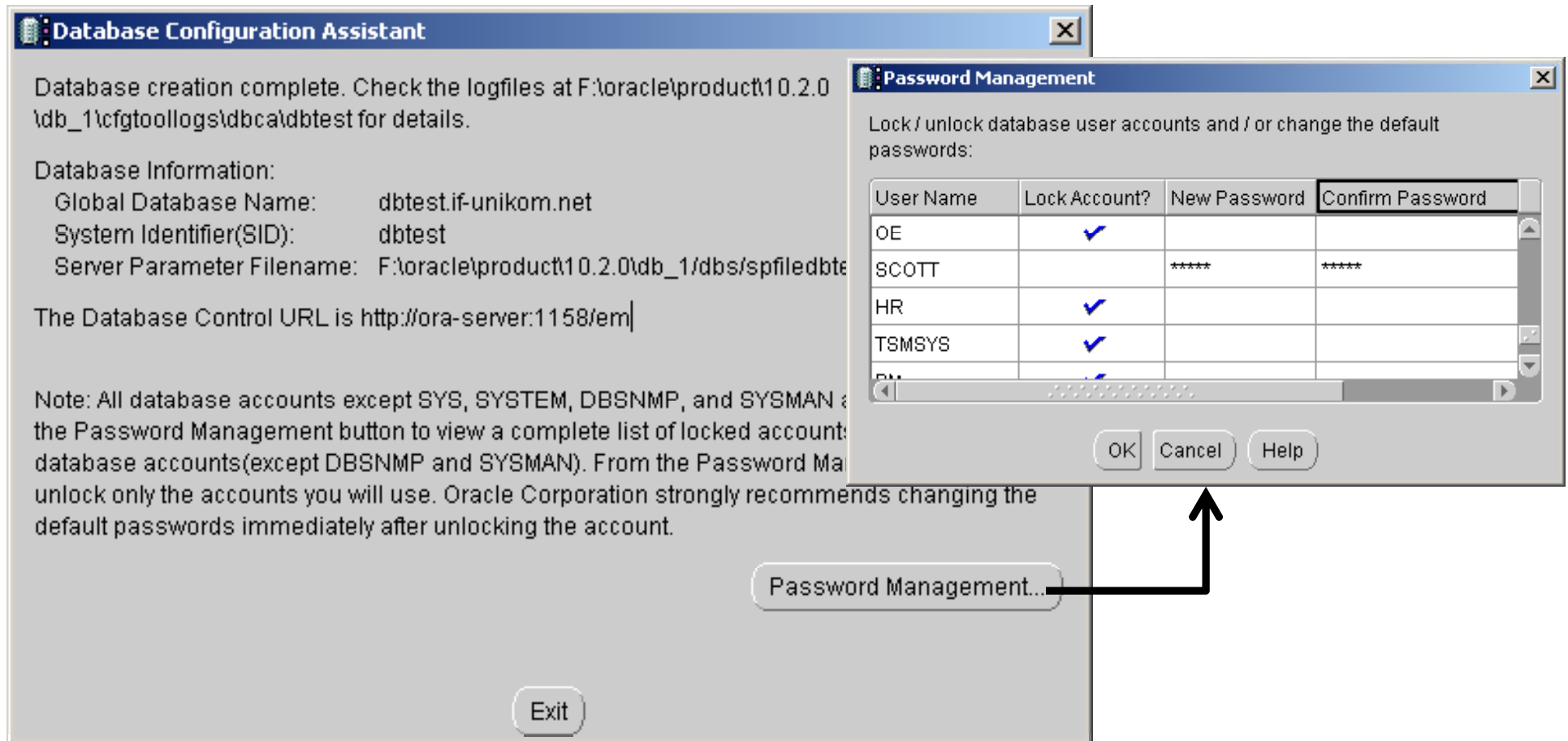
Installation Confirmation



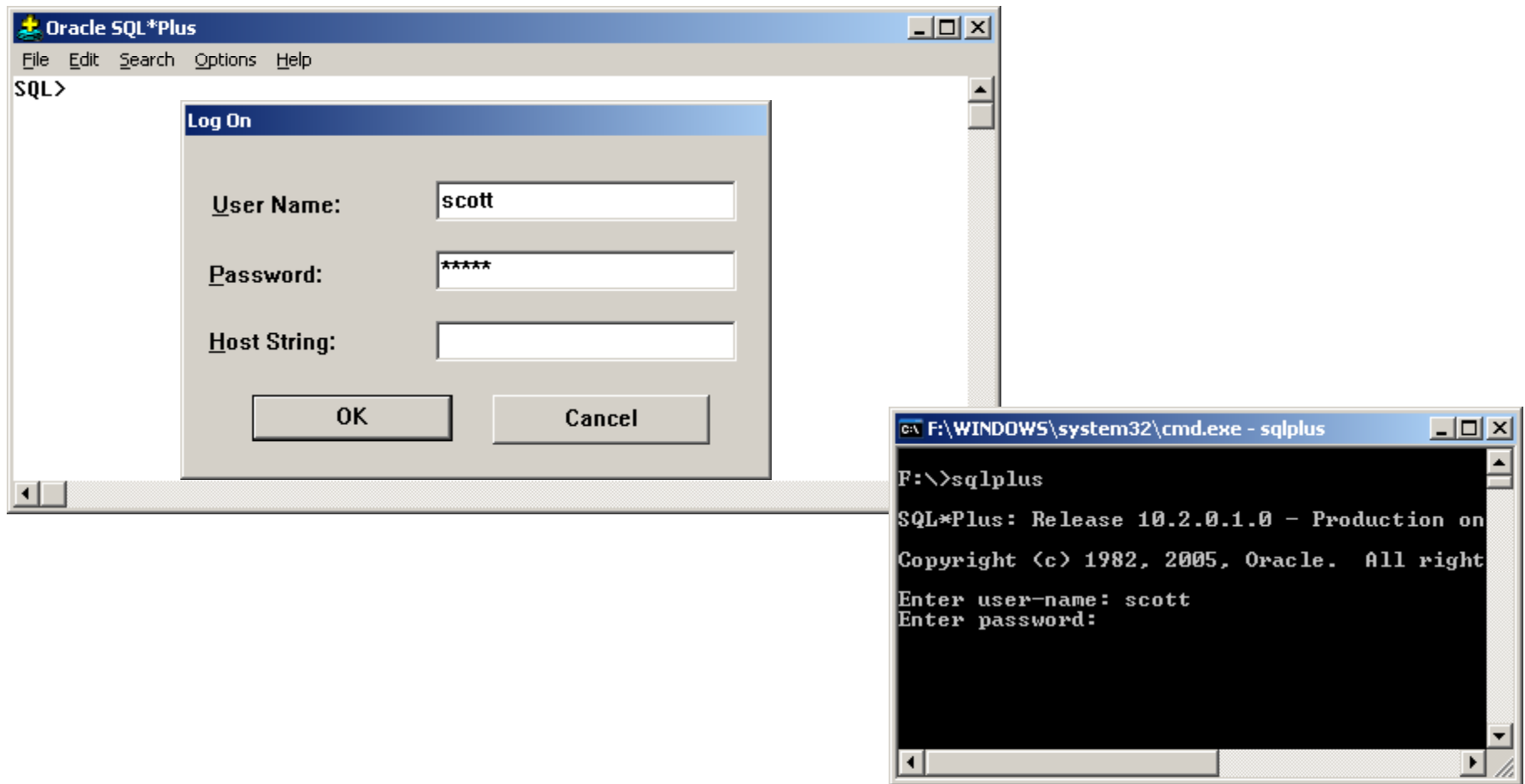
Proses Pembuatan Database



Pengaturan User Account



Test Koneksi Database



Test SQL

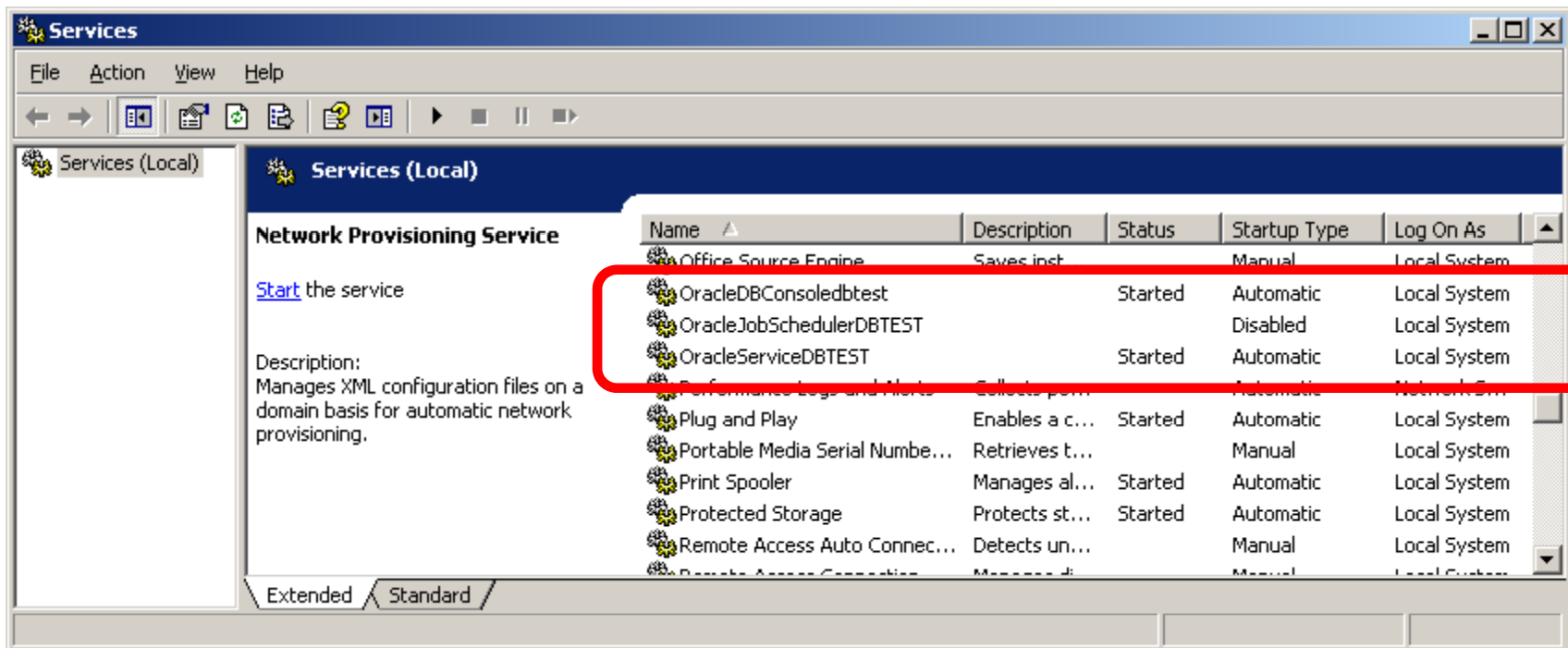
```
SQL> select table_name,tablespace_name from user_tables;
```

TABLE_NAME	TABLESPACE_NAME
DEPT	USERS
EMP	USERS
BONUS	USERS
SALGRADE	USERS

```
SQL> select * from dept;
```

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

Oracle Service



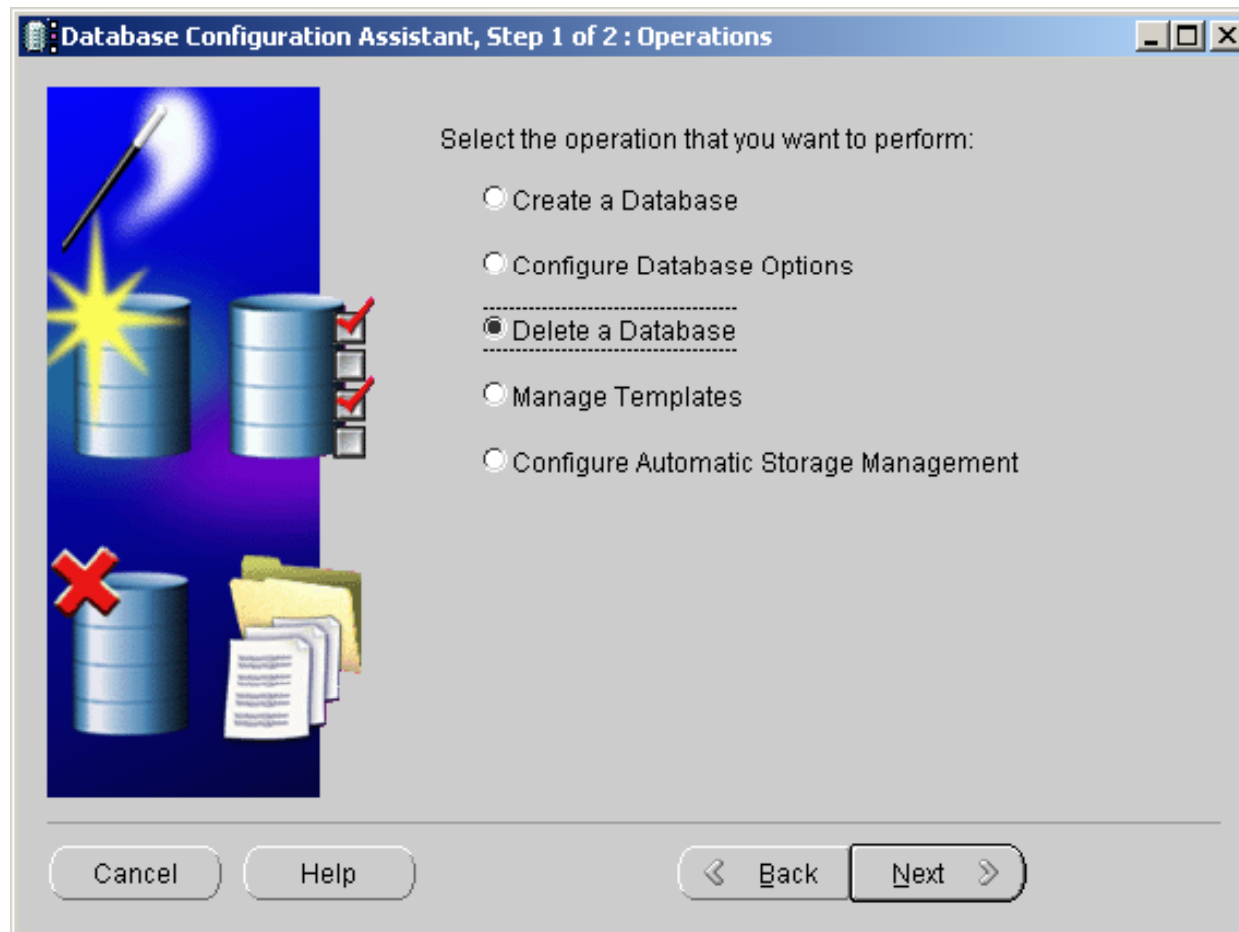
Menghapus Database

- Jika suatu saat suatu database ingin dihapus, maka ada 2 cara yang bisa digunakan yaitu :
 - Menggunakan Database Configuration Assistant (DBCA)
 - Menggunakan Perintah SQL (Drop Database)

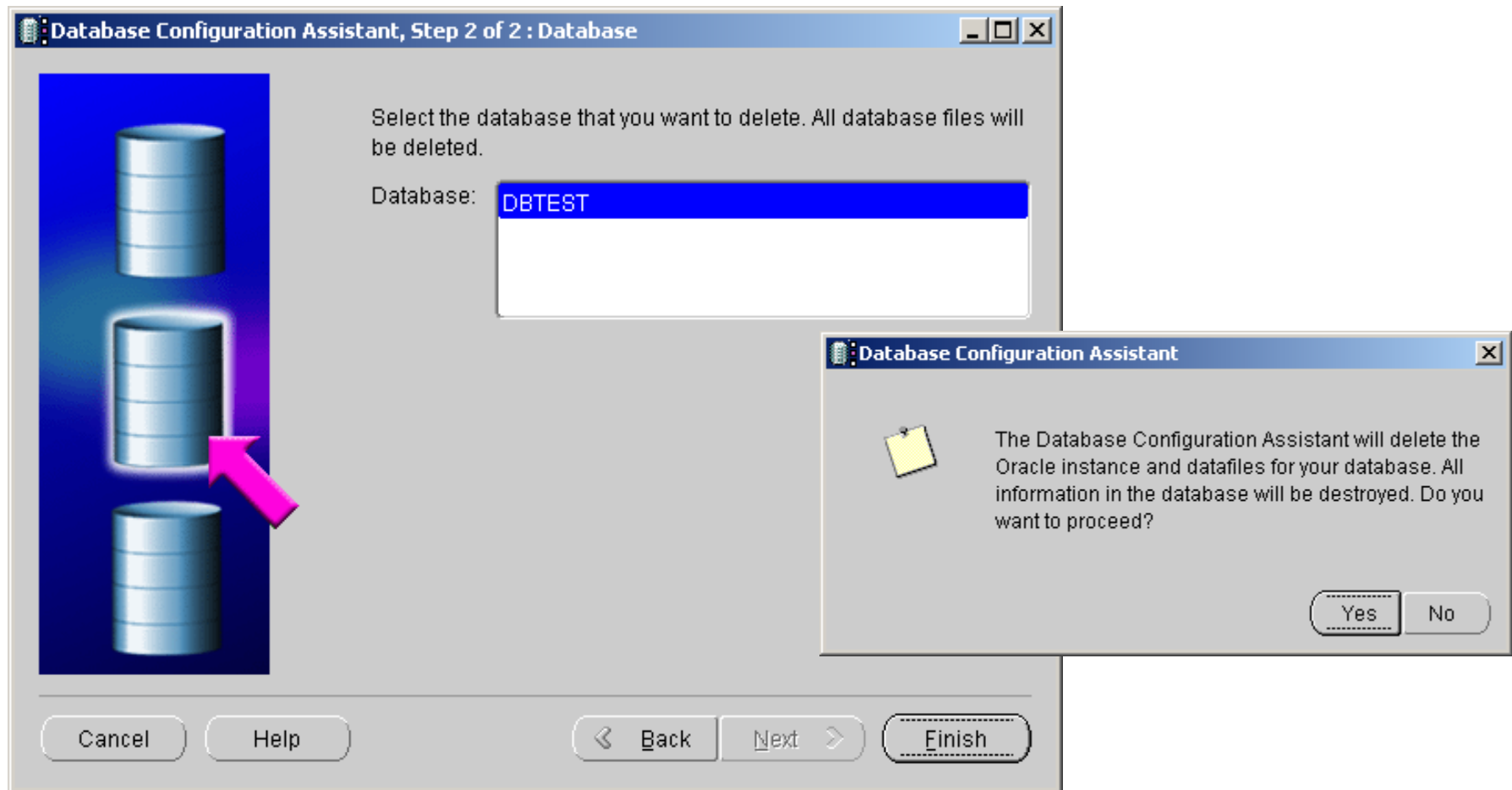
Menghapus Database Dengan DBCA



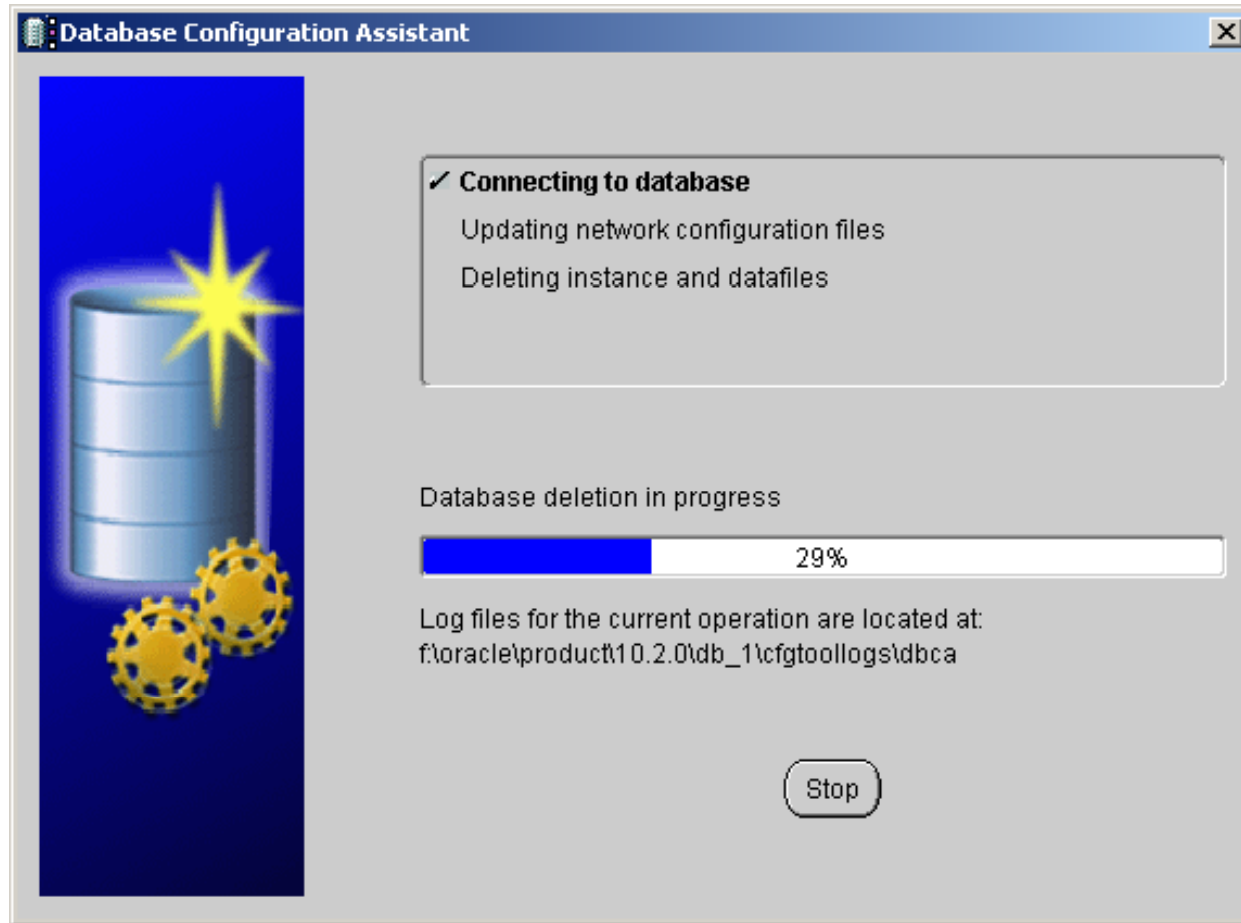
Menghapus Database Dengan DBCA



Menghapus Database Dengan DBCA



Menghapus Database Dengan DBCA





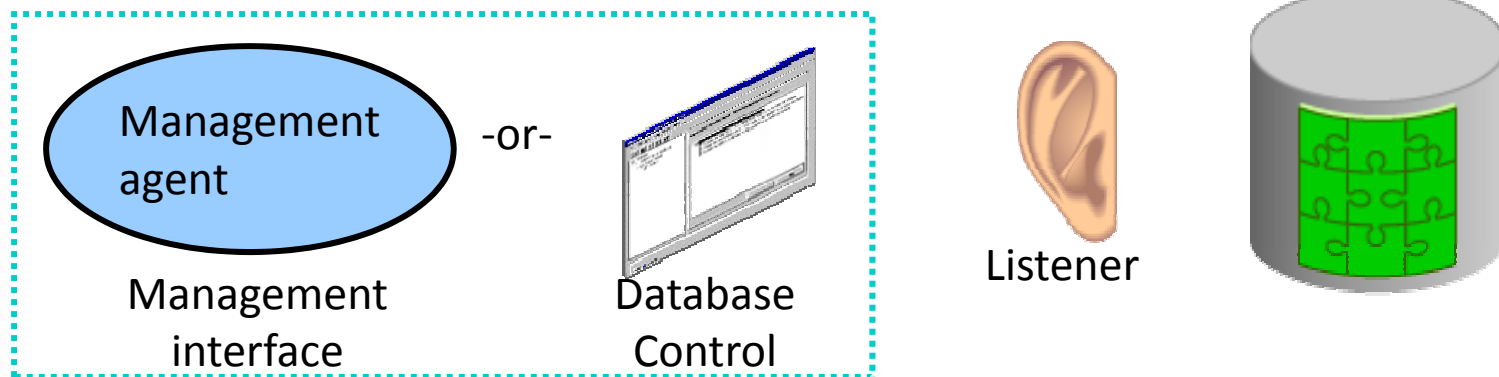
Konfigurasi database instance, LISTENER, Enterprise manager, *iSQL*PLUS*

3



Management Framework

- 3 komponen untuk melakukan manajemen database oracle 10g yaitu :
 - Database instance
 - Listener
 - Management interface
 - Database Control
 - Management agent



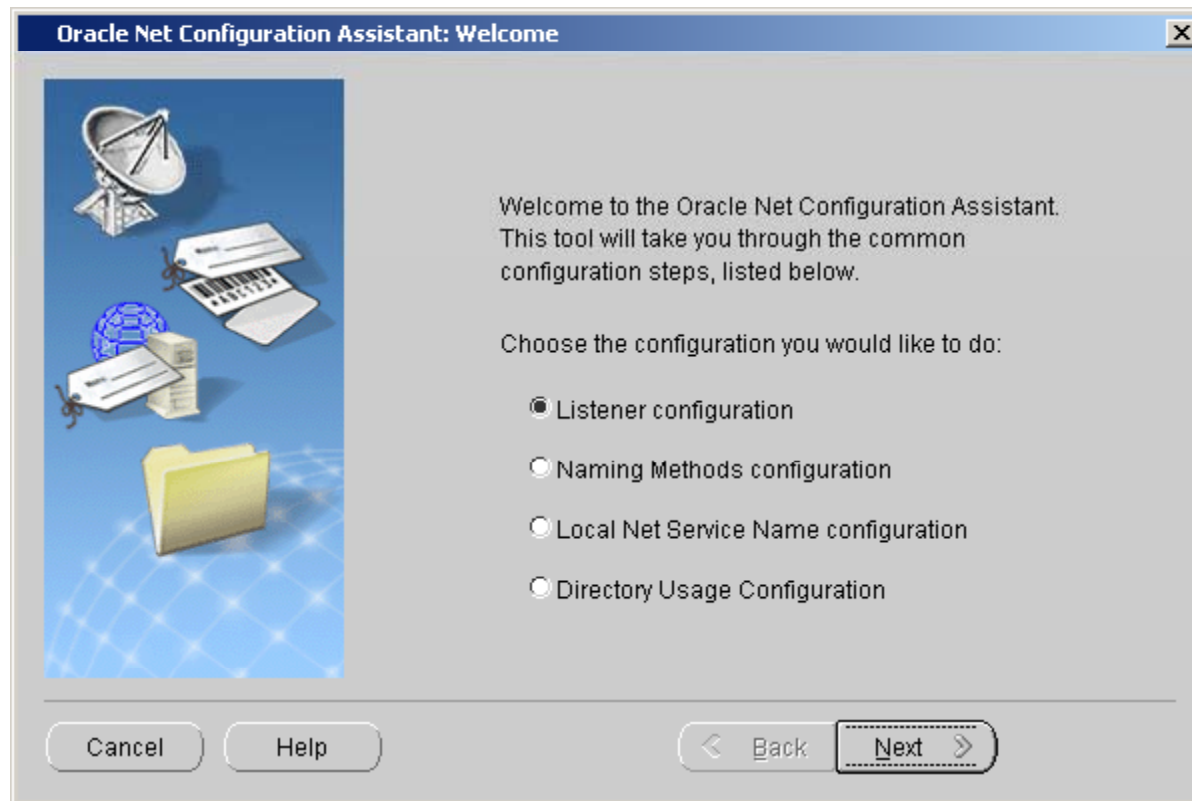
Test Enterprise Manager

The screenshot shows the Oracle Enterprise Manager 10g console in a Mozilla Firefox browser window. The page title is "Oracle Enterprise Manager (null) - Database Instance: dbtests.if-unikom.net". The browser address bar shows the URL "http://ora-server:1158/em/console/database/in". The page content includes a "Database Control" header and a "Database" tab. The main heading is "Database Instance: dbtests.if-unikom.net". Below this, a message states: "Enterprise Manager is not able to connect to the database instance. Page Refreshed Feb 23, 2009 8:22:02 AM". A "Refresh" button is present. Three components are listed, each with a red arrow pointing to a status icon:

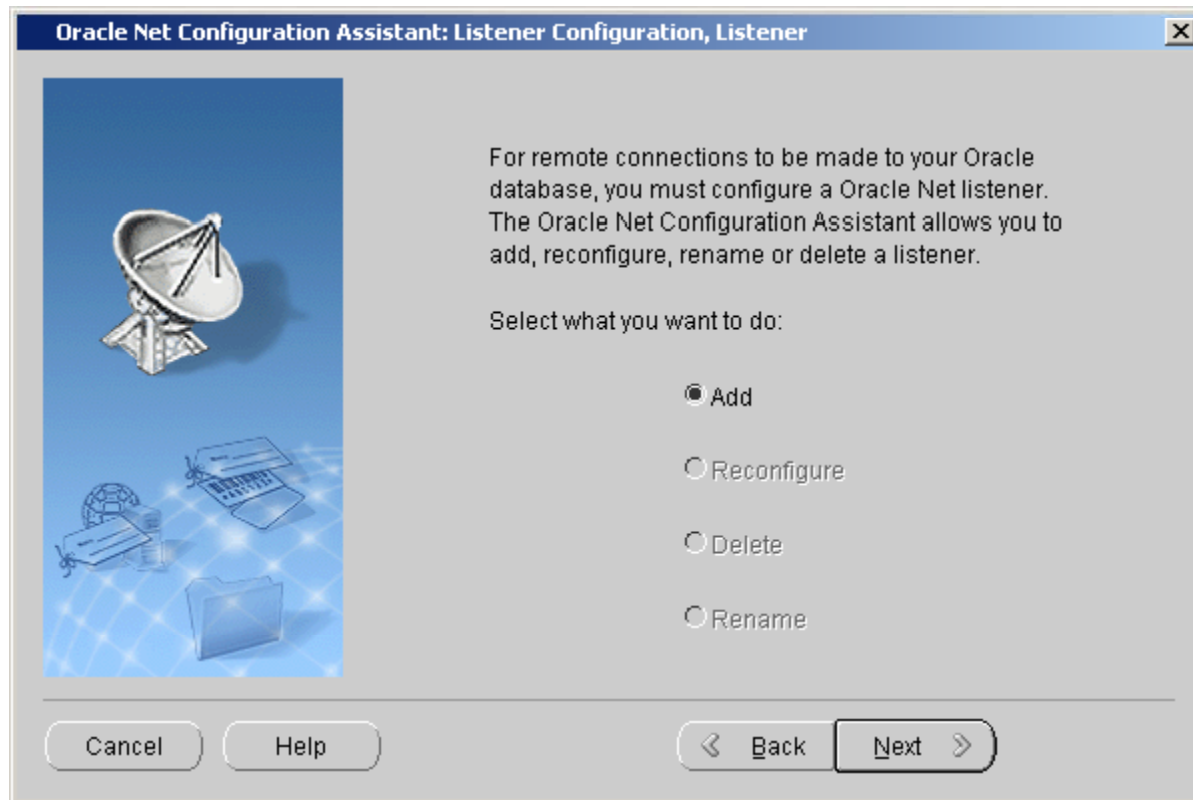
- Database Instance:** Status is Down. Host: ora-server, Port: 1521, SID: dbtests, Oracle Home: f:\oracle\product\10.2.0\db_1. Buttons: Startup, Perform Recovery.
- Listener:** Status is Down. Host: ora-server, Port: 1521, Name: LISTENER, Oracle Home: f:\oracle\product\10.2.0\db_1, Location: f:\oracle\product\10.2.0\db_1\network\admin, Details: TNS-12541: TNS:no listener. Button: Start Listener.
- Agent Connection to Instance:** Status is Failed. Details: ORA-12541: TNS:no listener (DBD ERROR: OCIServerAttach).

The status bar at the bottom of the browser window shows "Done".

Membuat Listener



Add Listener



Penamaan Listener

Oracle Net Configuration Assistant: Listener Configuration, Listener Name

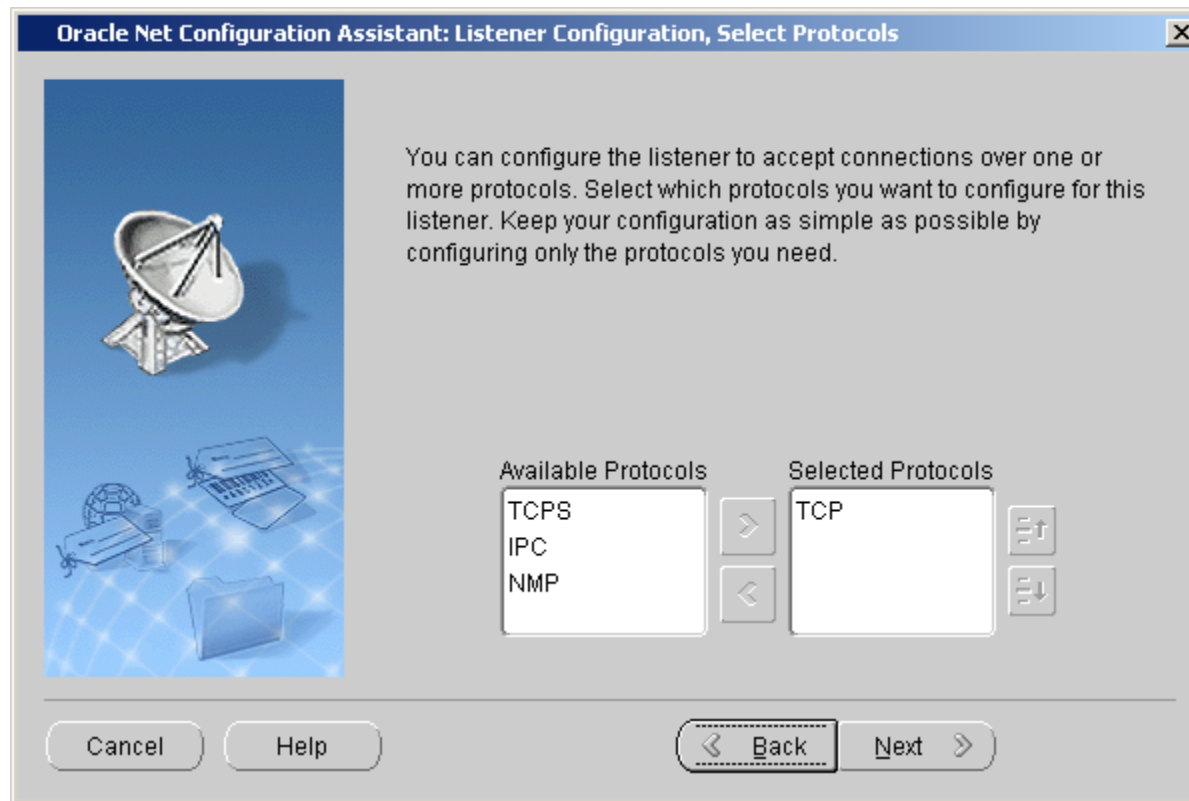


For remote connections to be made to your Oracle database you must have at least one Oracle Net listener. Enter the name of the listener you want to create:

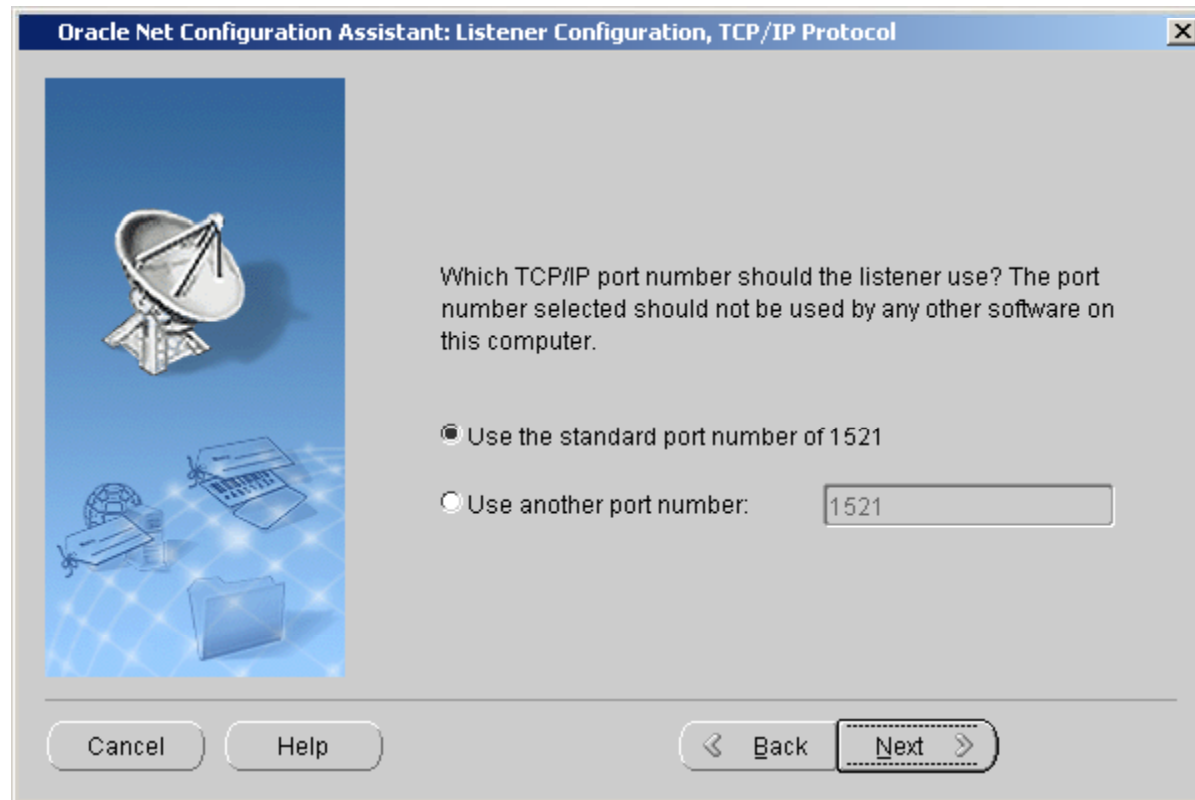
Listener name:

Cancel Help < Back Next >

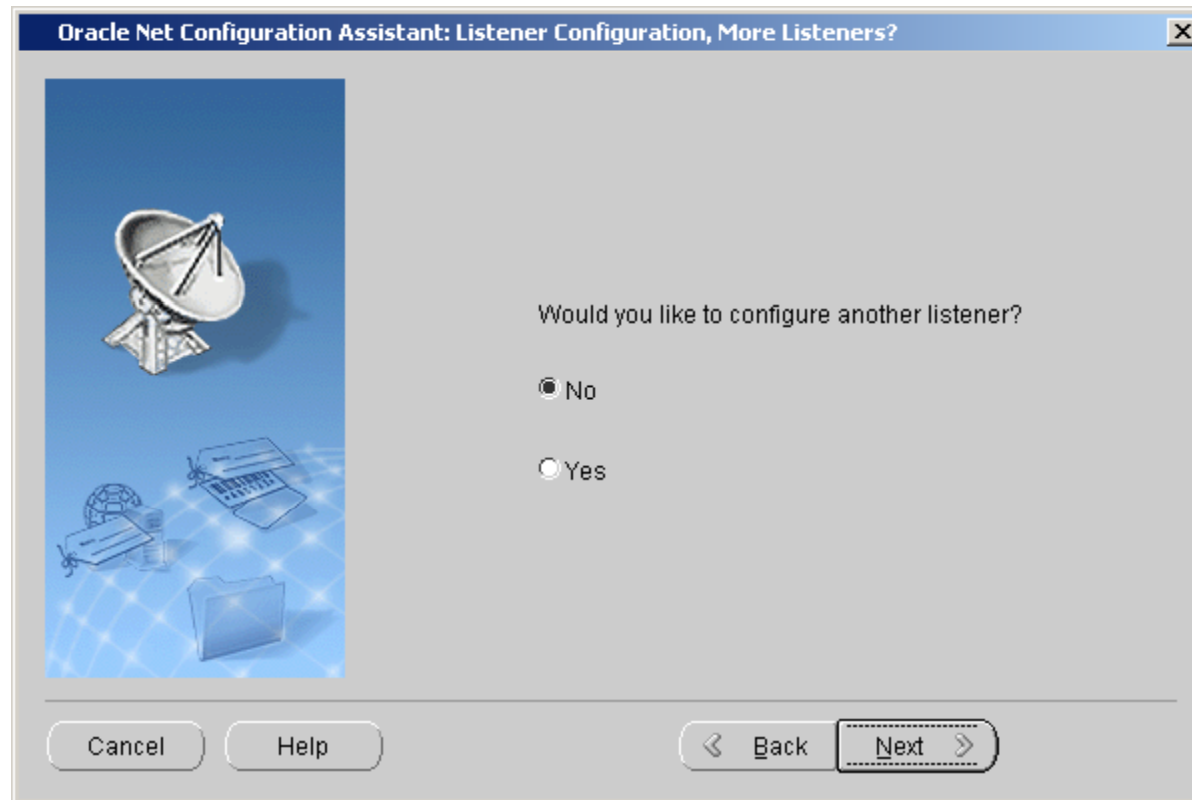
Memilih Protocol



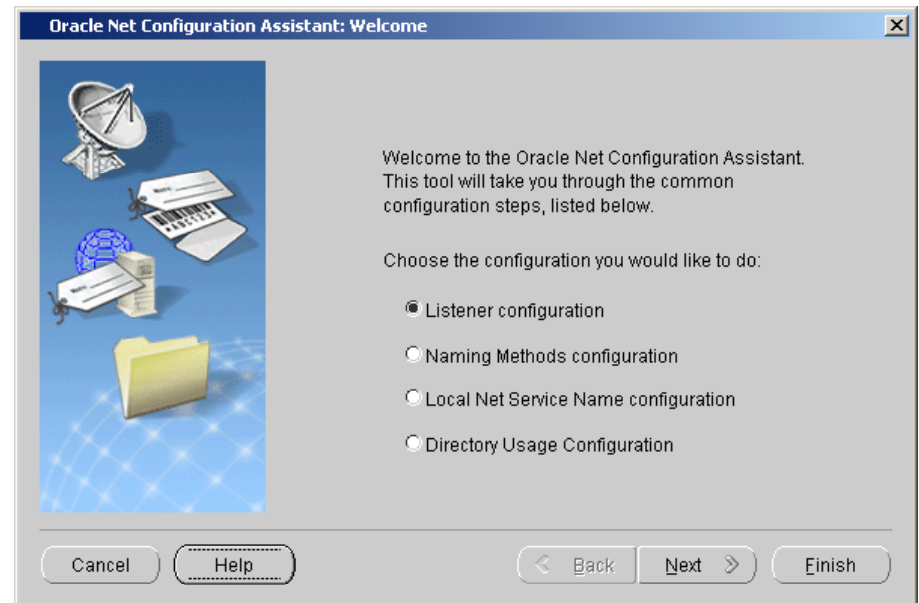
Pengaturan Port



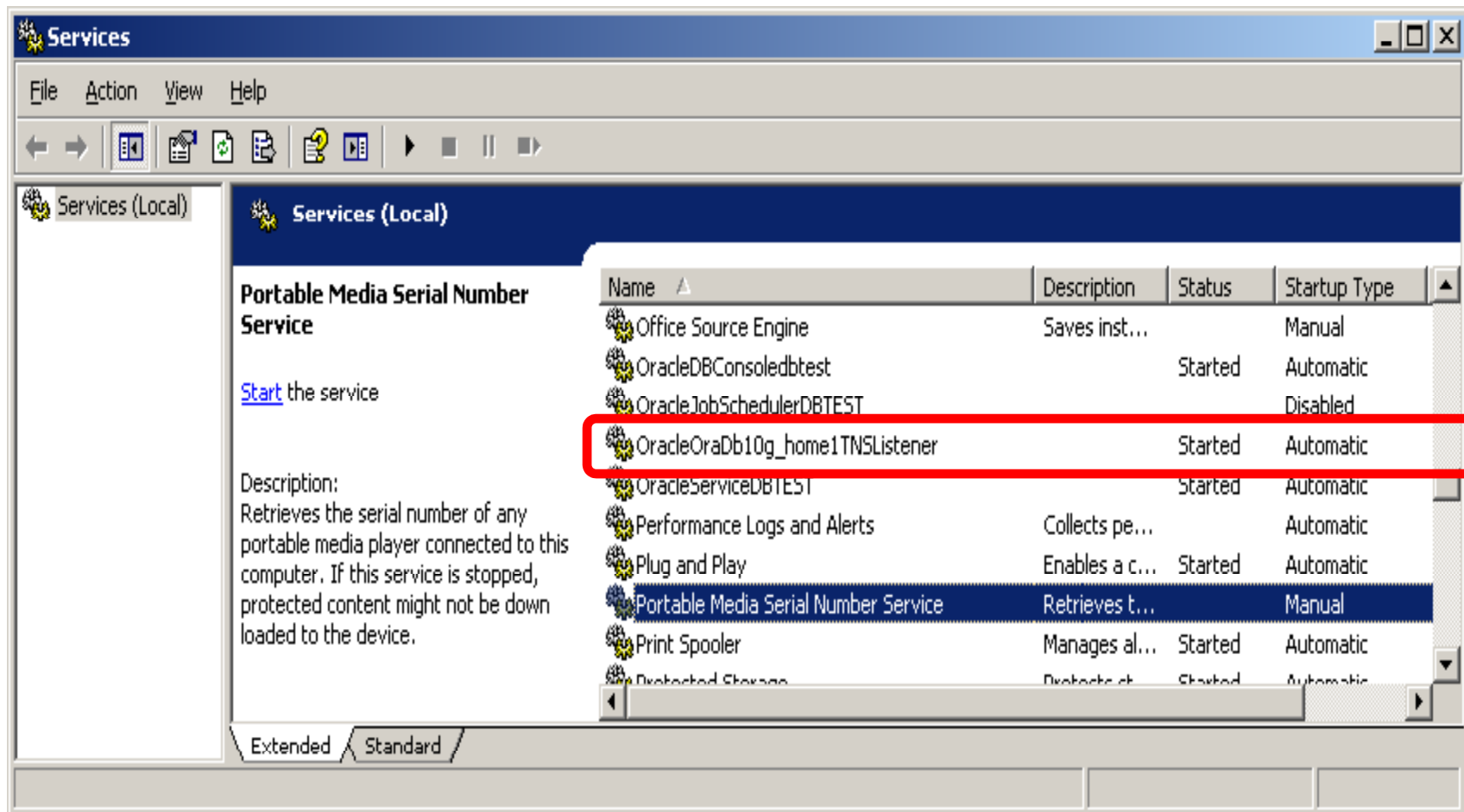
Konfirmasi Pembuatan Listener Lain



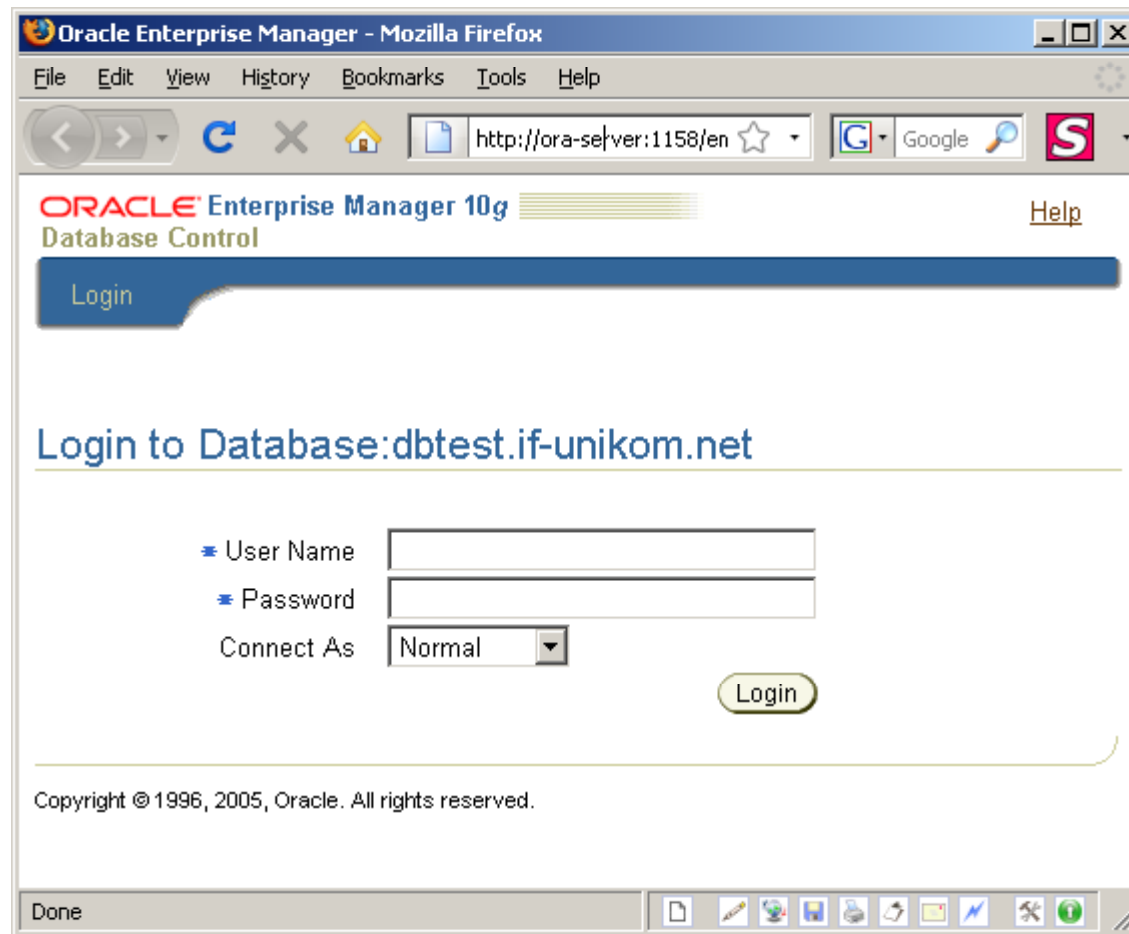
Pembuatan Listener Selesai



Listener di Service Windows



Test Enterprise Manager



Test Enterprise Manager

ORACLE Enterprise Manager 10g
Database Control

Oracle Database 10g Licensing Information

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

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

Database Tuning Pack

- SQL Access Advisor
- 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 above functionality and where it can be used within the product refer to the Oracle Database 10g Licensing Information document.

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

Cancel

I agree

Enterprise Manager

Oracle Enterprise Manager (SYSTEM) - Database Instance: dbtest.if-unikom.net - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://ora-server:1158/em/console/database/instance/sitemap?event=doLoad&target=dbt

ORACLE Enterprise Manager 10g Database Control

Setup Preferences Help Logout

Database

Logged in As SYSTEM

Database Instance: dbtest.if-unikom.net

Home Performance Administration Maintenance

Page Refreshed Feb 23, 2009 9:11:28 AM Refresh View Data Automatically (60 sec)

General

Shutdown

Status **Up**

Up Since **Feb 23, 2009 8:42:11 AM GMT+07:00**

Instance Name **dbtest**

Version **10.2.0.1.0**

Host **ora-server**

Listener **LISTENER_ora-server**

[View All Properties](#)

Host CPU

Load **0.00** Paging **2.16**

Maximum CPU **2**

Category	Value
Other	~10%
dbtest	~10%

Active Sessions

Category	Value
Wait	~0.1
User I/O	~0.1
CPU	~0.1

SQL Response Time

Baseline is not available.

[Reset Baseline](#)

Diagnostic Summary

ADDM Findings	No ADDM run available
All Policy Violations	Z
Alert Log	No ORA- errors

Space Summary

Database Size (GB)	Unavailable
Problem Tablespaces	0
Segment Advisor Recommendations	Details
Space Violations	0
Dump Area Used (%)	00

High Availability

Instance Recovery Time (sec)	13
Last Backup	n/a
Usable Flash Recovery Area (%)	100
Flashback Logging	Disabled

Done

iSQL*Plus

The screenshot shows the iSQL*Plus web interface running in a Mozilla Firefox browser. The browser title bar reads "iSQL*Plus Release 10.2.0.1.0 Production - Mozilla Firefox". The address bar shows the URL "http://ora-server:5560/isqlplus". The page features the Oracle logo and "iSQL*Plus" branding. Navigation links for "Logout", "Preferences", and "Help" are visible. The user is logged in as "SCOTT@dbtest". The main workspace area contains a text input field for SQL statements, with "Execute", "Load Script", "Save Script", and "Cancel" buttons below it. A "Clear" button is also present. The footer includes a copyright notice for Oracle (2003, 2005) and a navigation menu with links for "Workspace", "History", "Logout", "Preferences", and "Help".

iSQL*Plus Release 10.2.0.1.0 Production - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://ora-server:5560/isqlplus

ORACLE
iSQL*Plus

Logout Preferences Help

Workspace History

Connected as SCOTT@dbtest

Workspace

Enter SQL, PL/SQL and SQL*Plus statements.

Clear

Execute Load Script Save Script Cancel

Clear

Workspace | History | Logout | Preferences | Help

Copyright (c) 2003, 2005, Oracle. All rights reserved.

Done

Install service *iSQL*Plus*

The image shows two windows from a Windows operating system. The top window is a command prompt titled "F:\WINDOWS\system32\cmd.exe" with the following text:

```
F:\>isqlplusctl start
iSQL*Plus 10.2.0.1.0
Copyright (c) 2003, 2005, Oracle. All rights reserved.
Starting iSQL*Plus ...
iSQL*Plus started.
F:\oracle\product\10.2.0\db_1\BIN>_
```

The bottom window is the "Services" console, titled "Services (Local)". It displays a list of services with columns for Name, Description, Status, and Startup Type. The service "OracleOraDb10g_home1iSQL*Plus" is highlighted with a red box. Its status is "Started" and its startup type is "Automatic".

Name	Description	Status	Startup Type
OracleJobSchedulerDBTEST		Disabled	
OracleOraDb10g_home1iSQL*Plus	iSQL*Plus ...	Started	Automatic
OracleOraDb10g_home1TNSListener		Started	Automatic
OracleServiceDBTEST		Started	Automatic
Performance Logs and Alerts	Collects pe...		Automatic

Test iSQL*Plus

The screenshot shows a Mozilla Firefox browser window titled "iSQL*Plus Release 10.2.0.1.0 Production - Mozilla Firefox". The address bar contains "http://ora-server:5560/isqlplus/". The page features the Oracle logo and "iSQL*Plus" branding. A "Login" section is visible, containing a warning: "Unauthorized use of this site is prohibited and may be subject to civil and criminal prosecution." Below this, a legend indicates that a blue asterisk (*) denotes a required field. The login form includes three input fields: "Username" (containing "scott"), "Password" (masked with dots), and "Connect Identifier". A "Login" button is positioned below the "Connect Identifier" field. A "Help" link is located at the bottom right of the page. The browser's status bar at the bottom shows "Done".

iSQL*Plus Release 10.2.0.1.0 Production - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://ora-server:5560/isqlplus/

ORACLE
iSQL*Plus

Help

Login

Unauthorized use of this site is prohibited and may be subject to civil and criminal prosecution.

* Indicates required field

- * Username
- * Password
- Connect Identifier

Login

Help

Copyright (c) 2003, 2005, Oracle. All rights reserved.

Done

Eksekusi SQL di *iSQL*Plus*

Workspace

Enter SQL, PL/SQL and SQL*Plus statements.

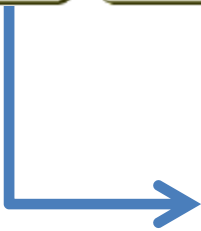
```
select * from dept
```

Execute

Load Script

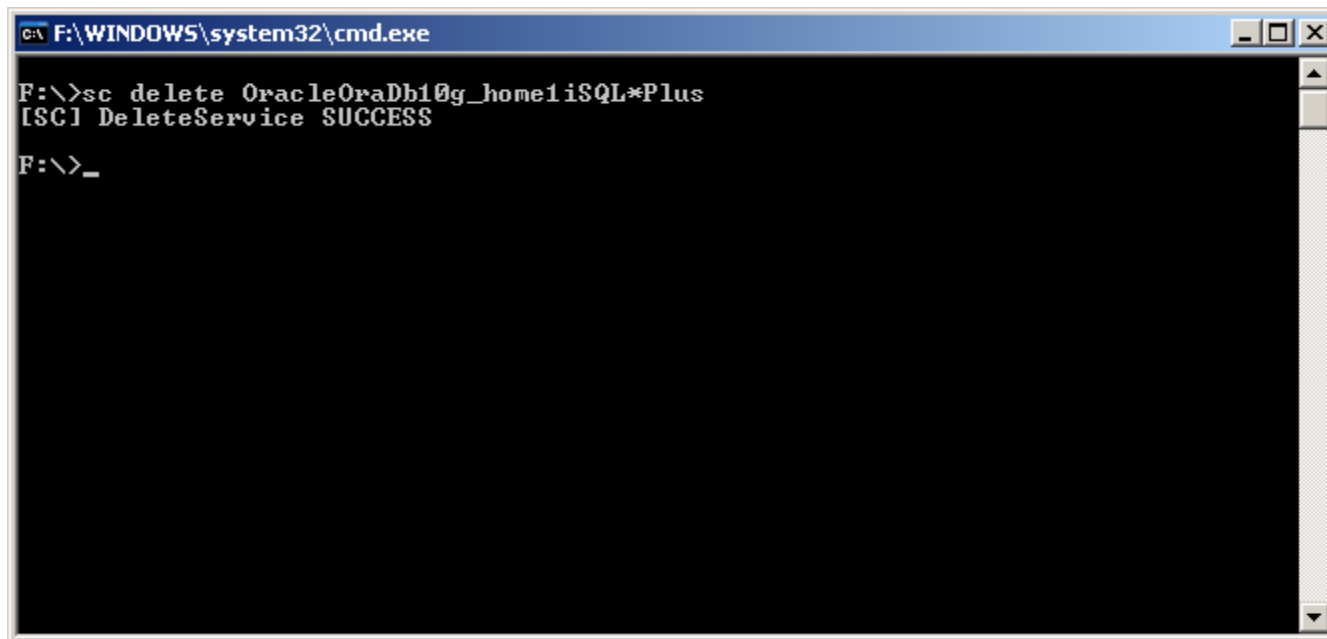
Save Script

Cancel



DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

Uninstall service iSQL*Plus



```
C:\ F:\WINDOWS\system32\cmd.exe
F:\>sc delete OracleOraDb10g_home1iSQL*Plus
[SC] DeleteService SUCCESS
F:\>_
```