

Disclaimer

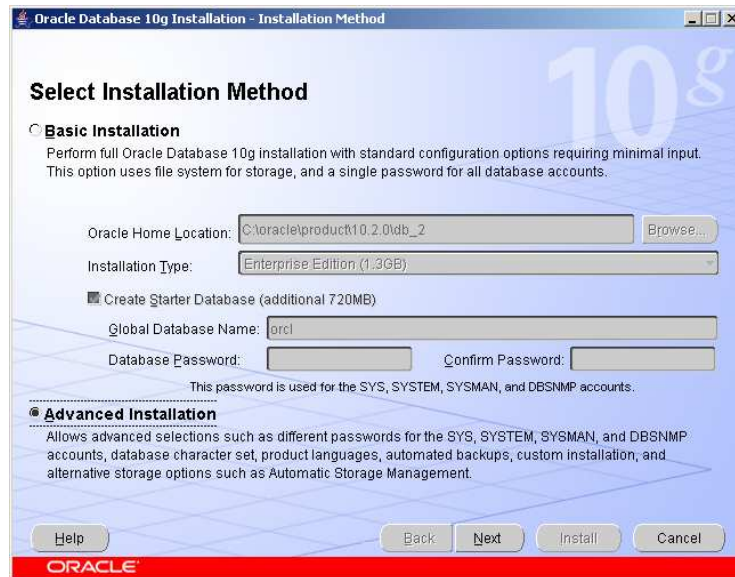
The instructions contained within this document serve merely as a reference for guidance purposes only. Therefore, Vasont Systems does not assume any liability or responsibility related to any Oracle installation issues, or for the consequences of any actions taken on the basis of the information provided herein, unless Vasont Systems has been contracted by your organization to do so.

Procedures and examples contained within this document may vary depending upon both your version of Oracle and operating system. The instructions within this document have been compiled for the Windows operating system. For information pertaining to other operating systems, as well as other installation issues, refer to your specific Oracle documentation.

Oracle 10g Server (Software Installation and Configuration)

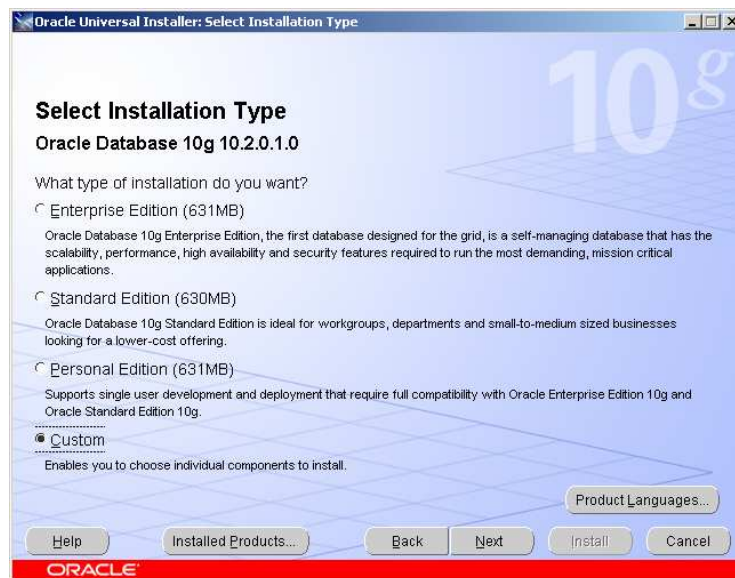
Insert the *Oracle 10g Database* DVD-ROM into the drive of the Server that will host the Oracle Database. Navigate to **D:\database** and double-click on **setup.exe** to begin the installation process (substitute D: for the correct drive letter of your DVD-ROM drive). The Oracle Universal Installer will launch and, after a few moments, you will be presented with the **Select Installation Method** screen.

Select Installation Method Window



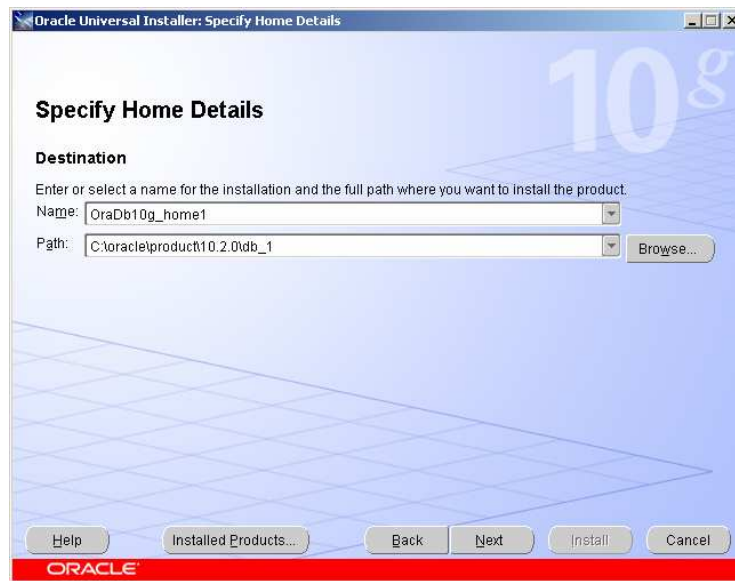
- Select **Advanced Installation** from the list of choices. Click on **Next**

Select Installation Type Window



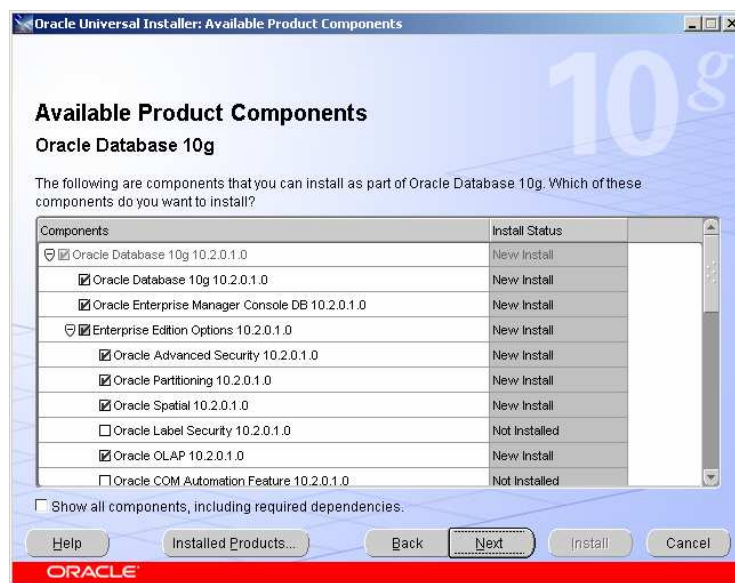
- Select **Custom** from the list of options. Click on **Next**

Specify Home Details Window



- Ensure that both the *Name* and *Path* fields contain the desired disk and folder for the Oracle installation. Click on *Next*

Available Product Components Window



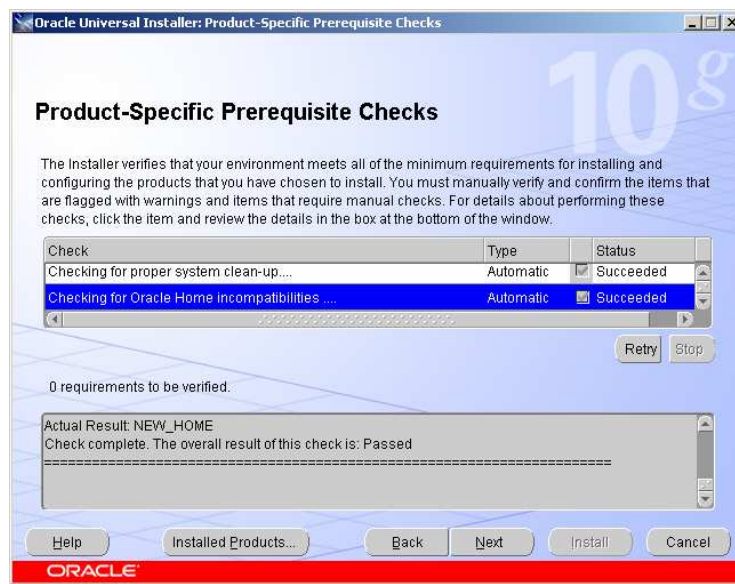
- Clear the list of Selected Product Components
 - ✓ Working from the top to bottom, expand all branches by clicking the (+) icons on the TreeView
 - ✓ Working from the bottom to top, uncheck all Product Components (clearing the (-) icons)
 - Certain Product Components will not be accessible and cannot be unchecked

- If prompted *This is a required component...*, click on **OK** and try the next Component
- ✓ Make one more pass, ensuring all Components except *Oracle Database 10g 10.x.x.x.x* are unchecked
- Working from the top to bottom, select the minimal Components required for Vasont

NOTE: Additional Product Components can be selected and installed, if desired. This list reflects the minimal set of Oracle Database 10g components needed to run Vasont.

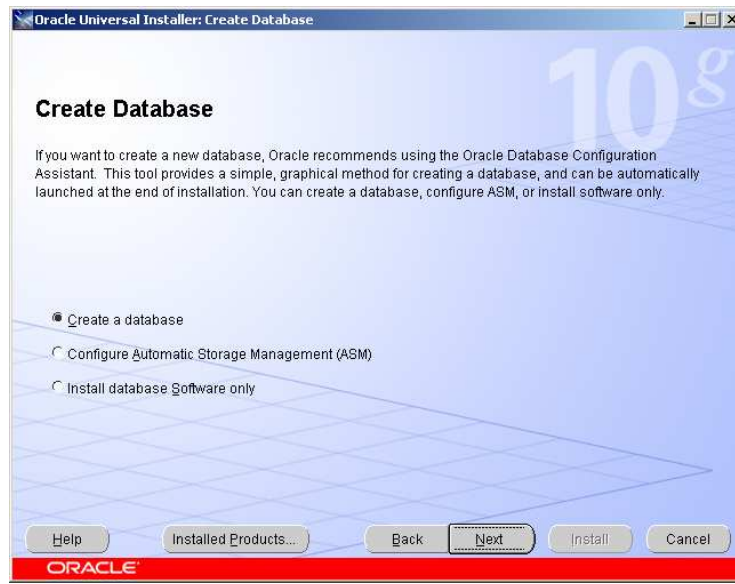
- ✓ Check (so the icon appears as (-)) **Oracle Database 10g 10.x.x.x.x**
- ✓ Check **Oracle Net Services 10.x.x.x.x**
 - Ensure **Oracle Net Listener 10.x.x.x.x** is checked
- Click on **Next**

Product-Specific Prerequisites Checks Window



- Click on **Next**

Create Database Window



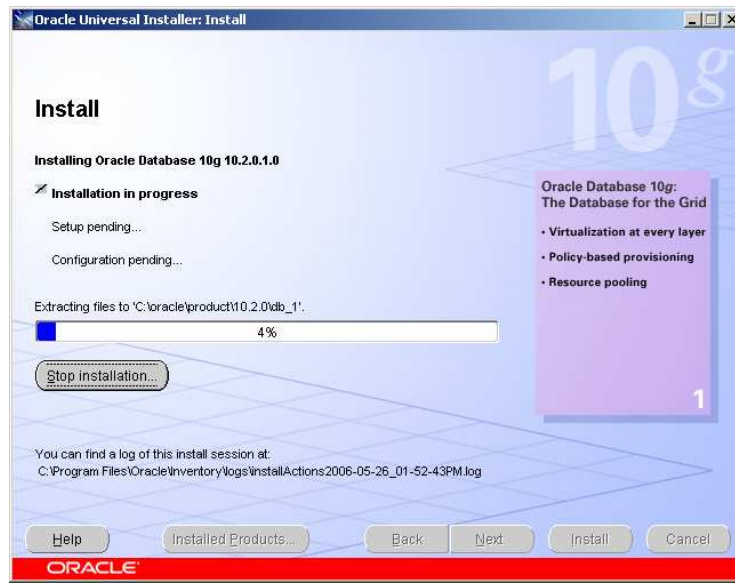
- Ensure that the *Create a database* option is selected. Click on *Next*

Summary Window



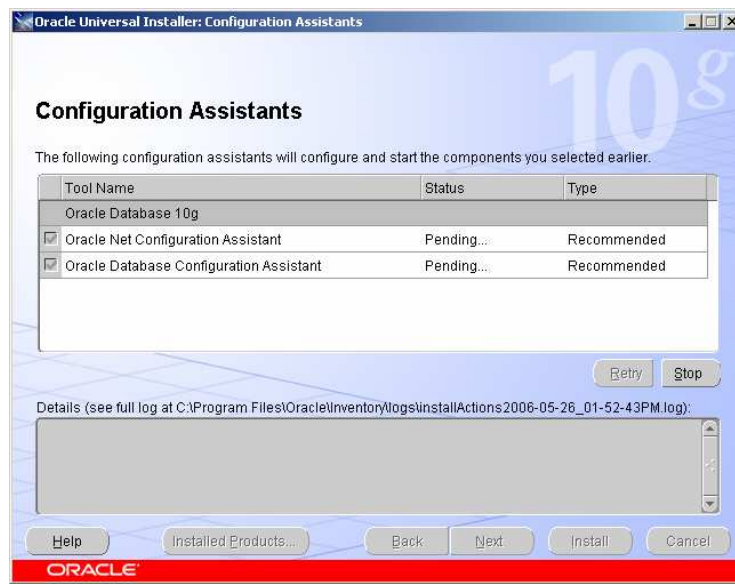
- Click on *Install* to begin installing Oracle

Install Window



A progress bar will be shown as each selected Oracle Component is installed – This process may take anywhere from ½ to 2 hours, depending on the speed of the Server hardware and the Oracle Configuration selected.

Configuration Assistants Window



After all Oracle Components are installed, the *Oracle Universal Installer* will automatically start a series of Configuration Tools. The following Appendices outline the use of these Configuration Tools:

- *Oracle Net Configuration Assistant*..... Appendix A
- *Oracle Database Configuration Assistant*..... Appendix B

The *Agent Configuration Assistant* does not require any user interaction and will run automatically when the *Oracle Database Configuration Assistant* has completed. When all *Configuration Tools* have completed, the *Next* button will become available.

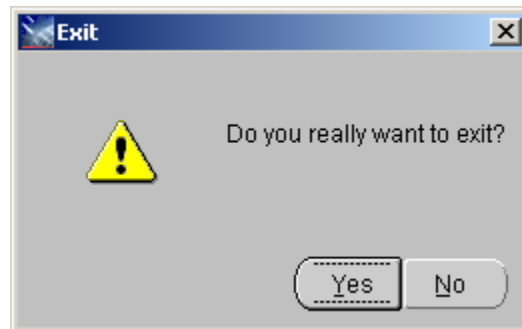
- Click on *Next*

End of Installation Window



- Once this screen appears, click on *Exit*

You will be prompted to confirm the exit:



- Click on *Yes* to exit the *Oracle Universal Installer*
- Your Oracle 10g Server is now ready for use

Oracle 10g Server (Appendix A – Oracle Net Configuration Assistant)

Oracle Net Configuration Assistant: Welcome



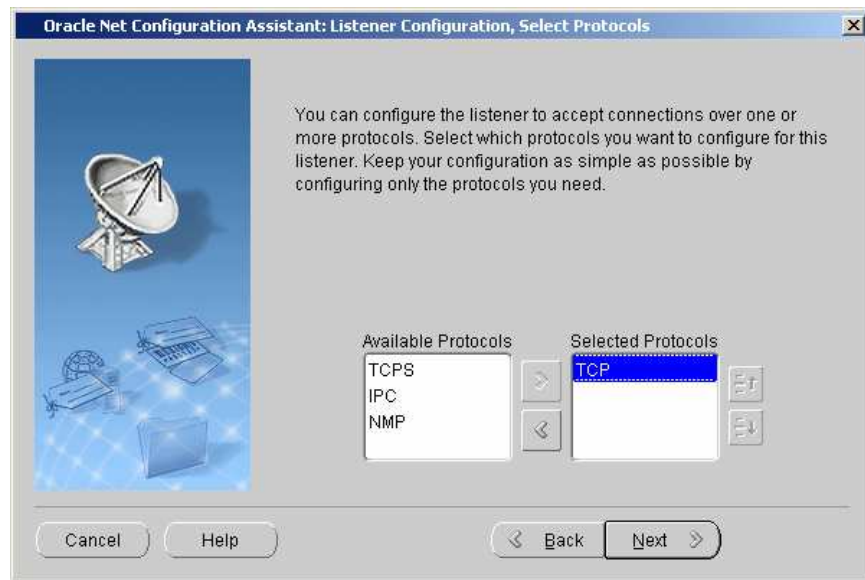
- Click on *Next*

Oracle Net Configuration Assistant: Listener Configuration, Listener Name



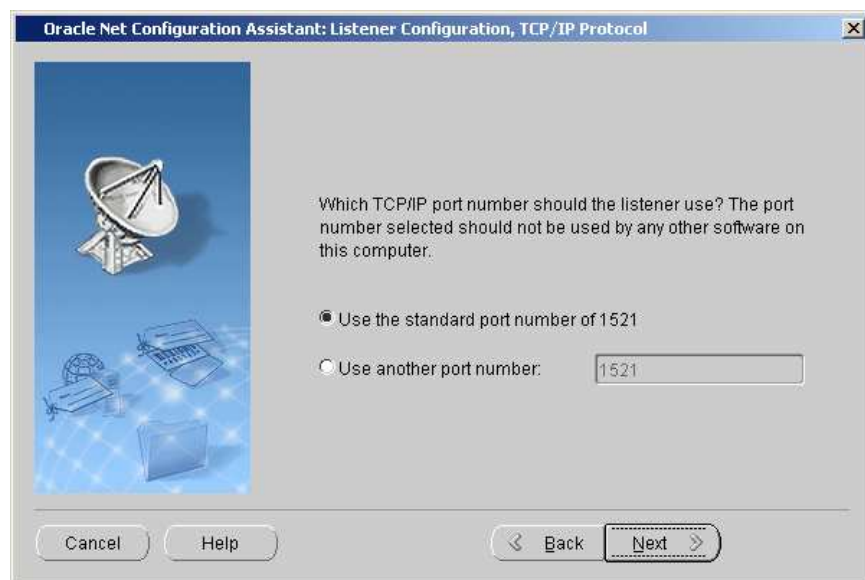
- Ensure that the *Listener name* is set to "LISTENER"
- Click on *Next*

Oracle Net Configuration Assistant: Listener Configuration, Select Protocols



- Ensure "TCP" is the only selection for *Selected Protocols*
- Click on *Next*

Oracle Net Configuration Assistant: Listener Configuration, TCP/IP Protocol



- Ensure that the *Use the standard port number of 1521* RadioButton is selected
- Click on *Next*

Oracle Net Configuration Assistant: Listener Configuration, More Listeners?



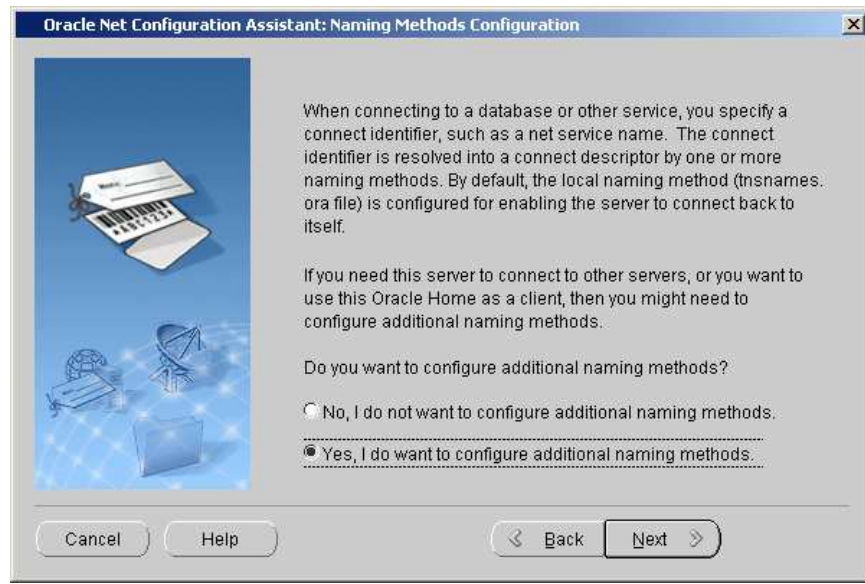
- Ensure that the *No* RadioButton is selected
- Click on *Next*

Oracle Net Configuration Assistant: Listener Configuration Done



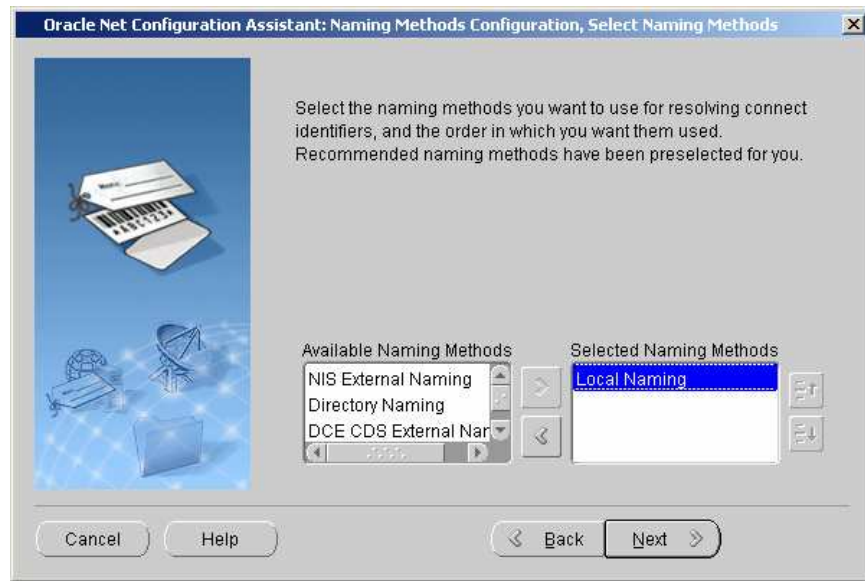
- Click on *Next*

Oracle Net Configuration Assistant: Naming Methods Configuration



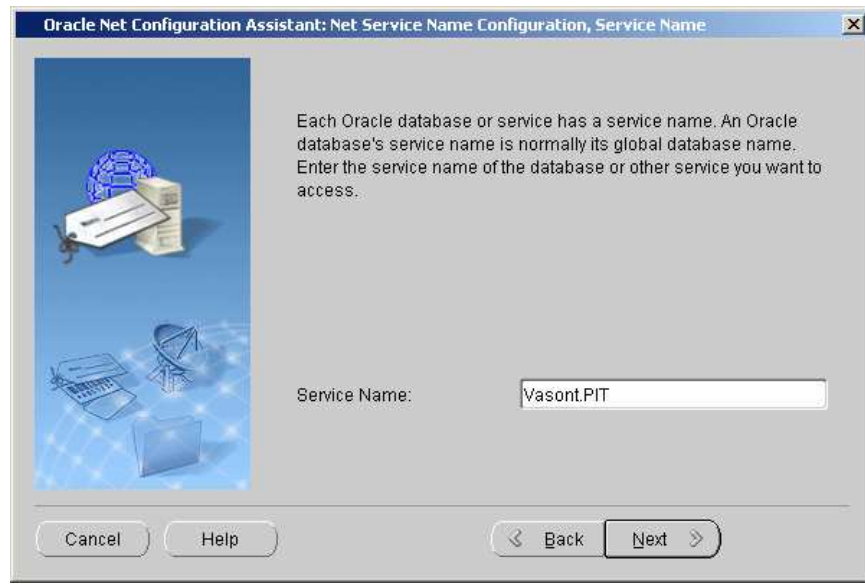
- Ensure that the *Yes, I do want to change the naming methods configured* RadioButton is selected
- Click on *Next*

Oracle Net Configuration Assistant: Naming Methods Configuration, Select Naming Methods



- Ensure "Local Naming" is the only selection for *Selected Naming Methods*
- Click on *Next*

Oracle Net Configuration Assistant: Net Service Name Configuration, Service Name

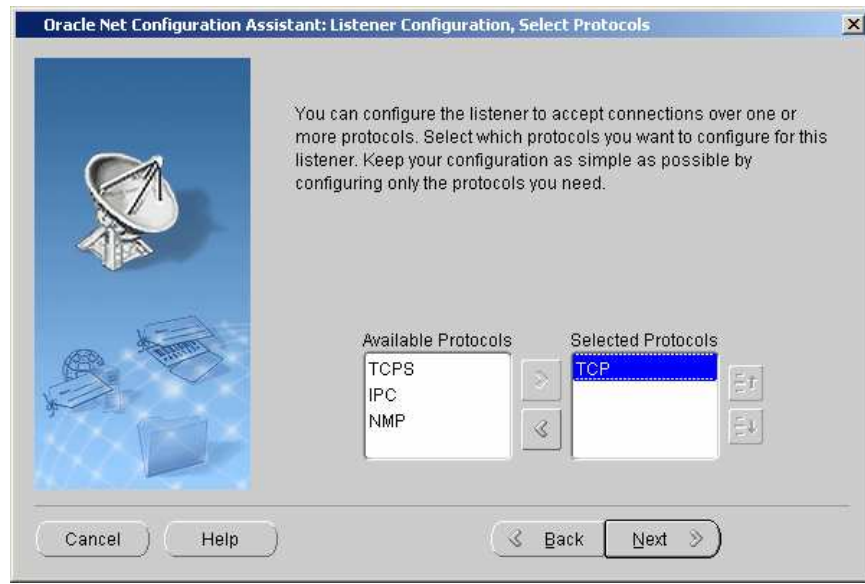


- For *Service Name*, enter the service name you will assign to your Oracle Database (this name is typically a combination of a database name (e.g., "Vasont") and your network domain (e.g., "pit-magnus.com")).

If your organization has a specific network domain, you can use it for the domain portion of the name. You may also want to consider using a generic domain so the domain portion of the Oracle database name is not readily recognizable to potential "hackers" – For example, Progressive Information Technologies could opt to use the domain "PIT" in their *Service Name*.

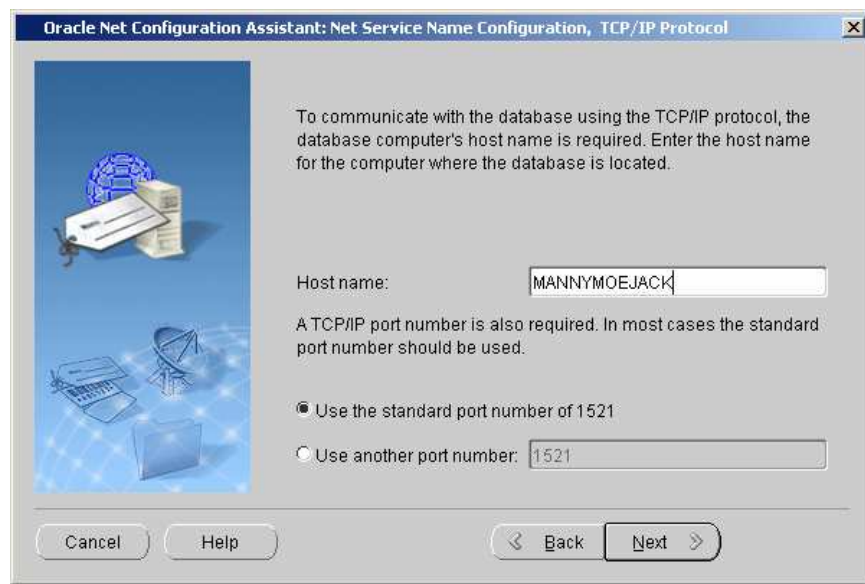
- Make note of the *Service Name* specified – This name will also need to be provided during the actual Oracle Database Instance creation.
- Click on *Next*

Oracle Net Configuration Assistant: Net Service Name Configuration, Select Protocols



- Ensure "TCP" is the only selected protocol
- Click on *Next*

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



- For *Host name*, enter the Server's host name as follows:

Windows 2000

- Go to **Start Menu > Settings > Control Panel**
- Select (or double-click, depending on your view) the *System* icon
- Activate the *Network Identification* tab page
- Click the *Properties* button
- The *Computer Name* entry represents the Server's host name

Windows XP

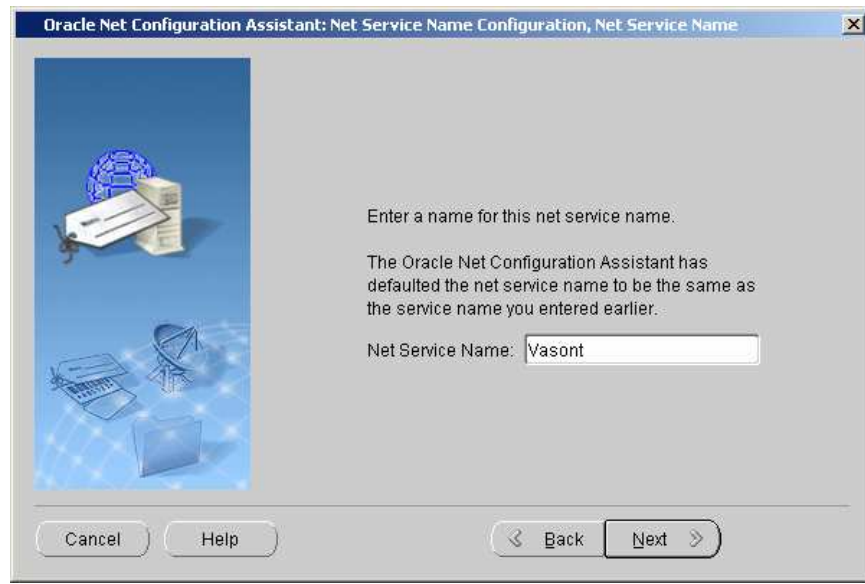
- Go to **Start Menu > Settings > Control Panel**
 - Select (or double-click, depending on your view) the *System* icon
 - Activate the *Computer Name* tab page
 - Click the *Change...* button
 - The *Computer Name* entry represents the Server's host name
- Ensure that the *Use the standard port of 1521* RadioButton is selected
 - Click on *Next*

Oracle Net Configuration Assistant: Net Service Name Configuration, Test



- Ensure that the *No, do not test* RadioButton is selected
- Click on *Next*

Oracle Net Configuration Assistant: Net Service Name Configuration, Net Service Name



The screenshot shows a window titled "Oracle Net Configuration Assistant: Net Service Name Configuration, Net Service Name". On the left is a blue graphic with a globe, a server, and a folder. The main text area contains the following instructions: "Enter a name for this net service name." and "The Oracle Net Configuration Assistant has defaulted the net service name to be the same as the service name you entered earlier." Below this, there is a text input field labeled "Net Service Name:" with the value "Vasont" entered. At the bottom, there are four buttons: "Cancel", "Help", "< Back", and "Next >".

- For *Net Service Name*, enter the name that will be used to access the installed Oracle Database instance on your Server. A default is provided, but may be changed if desired.
- Click on *Next*

Oracle Net Configuration Assistant: Net Service Name Configuration, Another Net Service Name?



The screenshot shows a window titled "Oracle Net Configuration Assistant: Net Service Name Configuration, Another Net Service Name?". On the left is the same blue graphic as the previous window. The main text area contains the question "Would you like to configure another net service name?". Below the question are two radio buttons: "No" (which is selected) and "Yes". At the bottom, there are four buttons: "Cancel", "Help", "< Back", and "Next >".

- Ensure that the *No* RadioButton is selected
- Click on *Next*

Oracle Net Configuration Assistant: Net Service Name Configuration Done



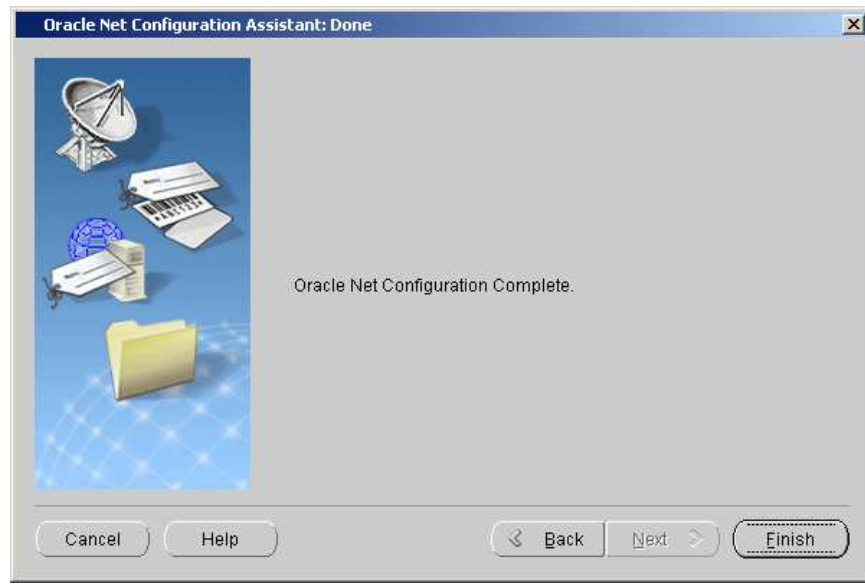
- Click on *Next*

Oracle Net Configuration Assistant: Naming Methods Configuration Done



- Click on *Next*

Oracle Net Configuration Assistant: Done

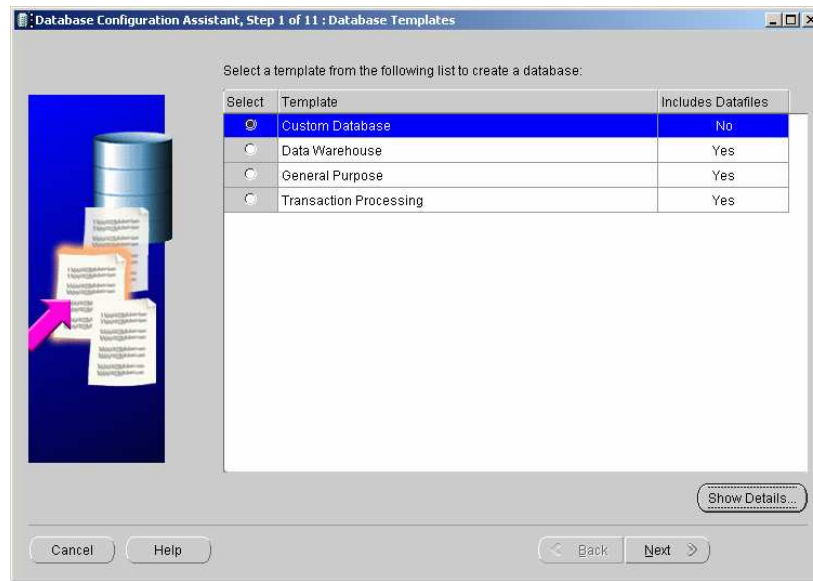


- Click on *Finish*

After the *Oracle Net Configuration Assistant* has completed, you will be returned to the **Configuration Tools** window and the *Oracle Database Configuration Assistant* will automatically start.

Oracle 10g Server (Appendix B – Oracle Database Configuration Assistant)

Oracle Database Configuration Assistant, Step 1 of 11: Database Templates



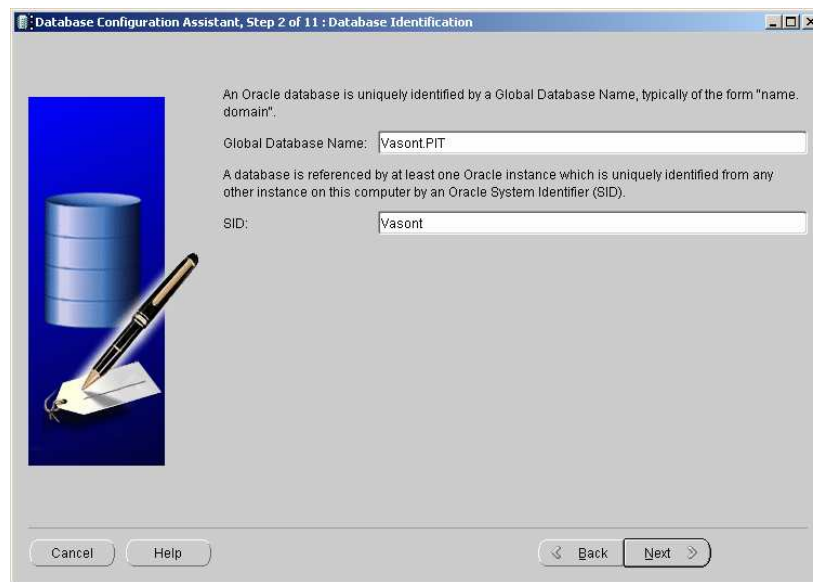
Select a template from the following list to create a database:

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

Buttons: Cancel, Help, Back, Next, Show Details...

- Ensure that the RadioButton beside the *Custom Database* template is selected
- Click on *Next*

Oracle Database Configuration Assistant, Step 2 of 11: Database Identification



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

Global Database Name:

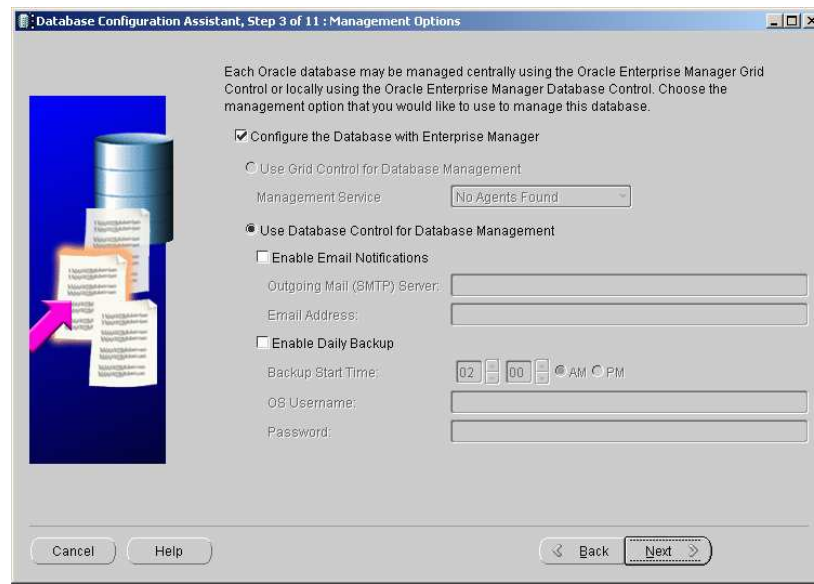
A database is referenced by at least one Oracle instance which is uniquely identified from any other instance on this computer by an Oracle System Identifier (SID).

SID:

Buttons: Cancel, Help, Back, Next

- For *Global Database Name*, enter the **Service Name** you specified at the Oracle Universal Installer's **Oracle Net Configuration Assistant: Net Service Name Configuration, Service Name** Window.
- The *SID* entry will automatically be filled in based on the *Global Database Name*.
- Click on *Next*

Oracle Database Configuration Assistant, Step 3 of 11: 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:

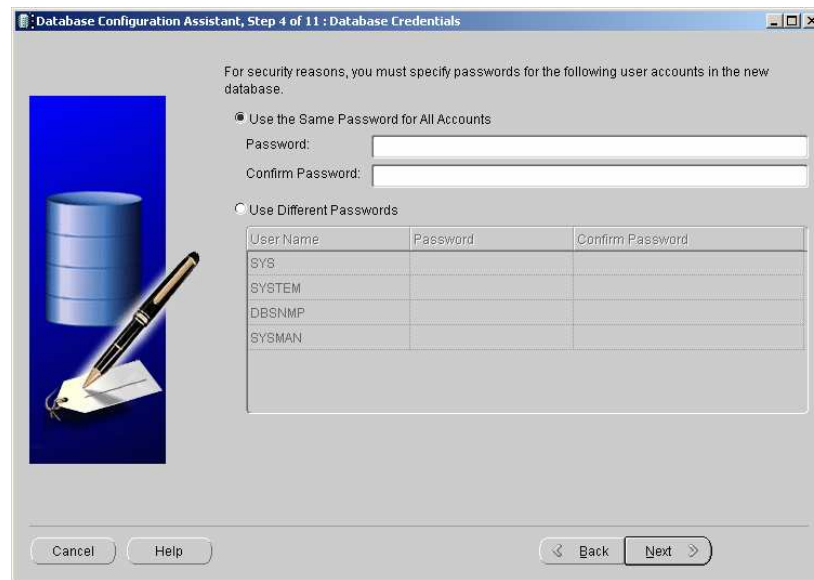
☐ Enable Daily Backup
Backup Start Time:
OS Username:
Password:

Cancel Help Back Next

The following settings are recommended for the Vasont Schema. Other options may be desired for your organization.

- Ensure that the *Configure the Database with Enterprise Manager* checkbox is selected
- Ensure that the *Use Database Control for Database Management* RadioButton is selected
- Click on *Next*

Oracle Database Configuration Assistant, Step 4 of 11: 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:

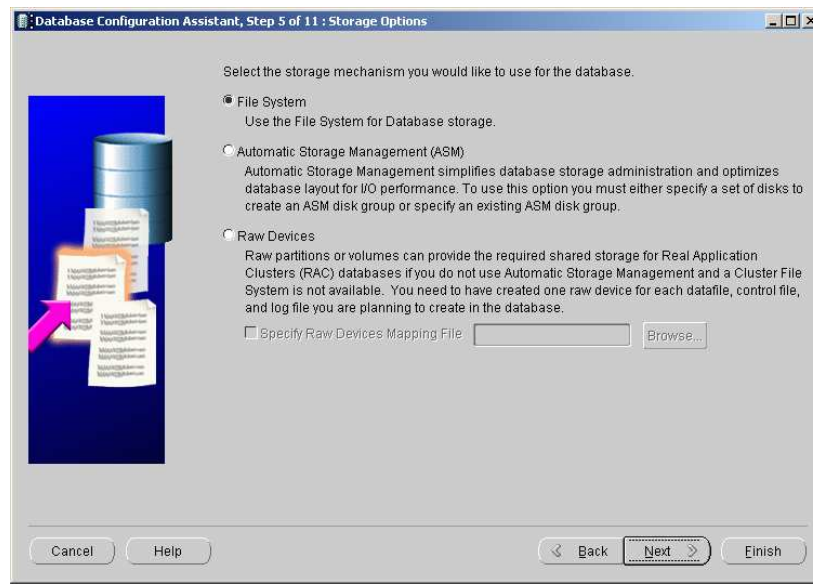
☐ Use Different Passwords

UserName	Password	Confirm Password
SYS		
SYSTEM		
DBSNMP		
SYSMAN		

Cancel Help Back Next

- Provide Oracle with the credentials that you will use to access the database as the System Administrator
- Click on *Next*

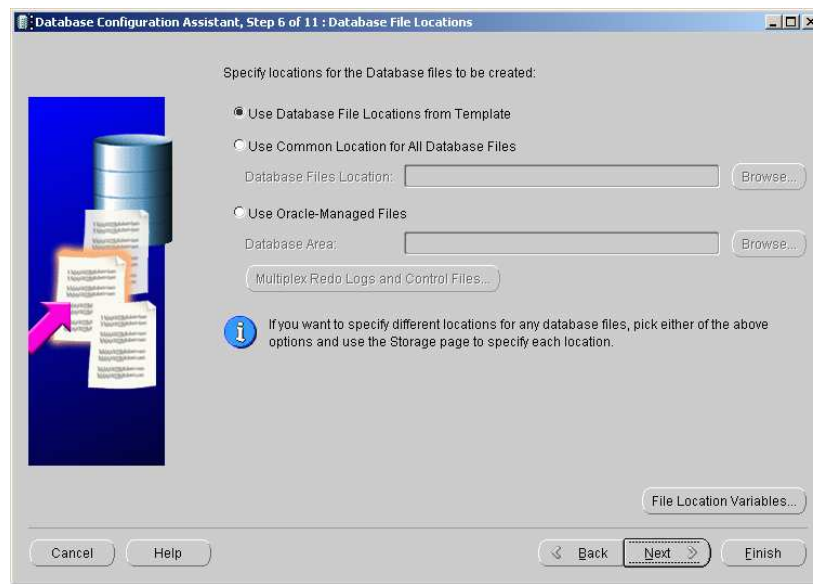
Oracle Database Configuration Assistant, Step 5 of 11: Storage Options



The following settings are recommended for the Vasont Schema. Other options may be desired for your organization.

- Ensure that the *File System* RadioButton is selected
- Click on *Next*

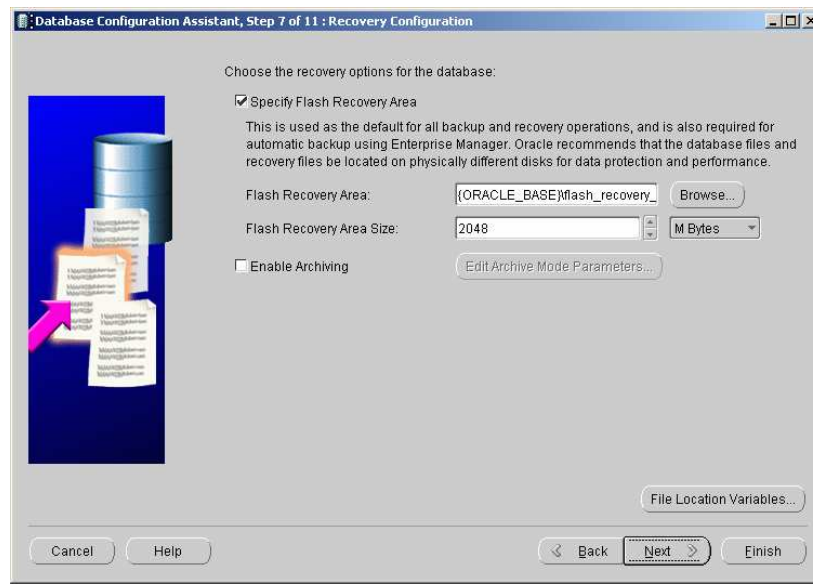
Oracle Database Configuration Assistant, Step 6 of 11: Database File Locations



The following settings are recommended for the Vasont Schema. Other options may be desired for your organization.

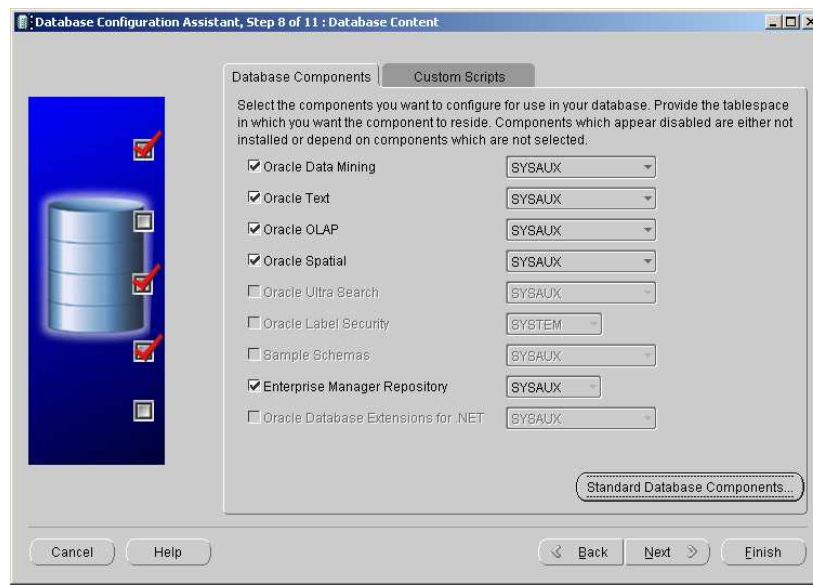
- Ensure that the *Use Database File Locations from Template* RadioButton is selected
- Click on *Next*

Oracle Database Configuration Assistant, Step 7 of 11: Recovery Configuration

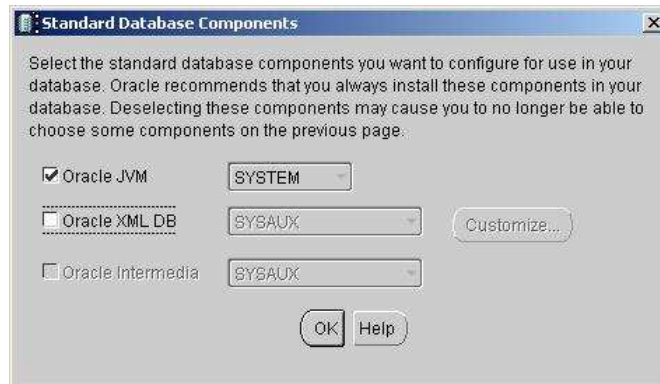


- Ensure that *Specify Flash Recovery Area* is selected
- Click on *Next*

Oracle Database Configuration Assistant, Step 8 of 11: Database Content

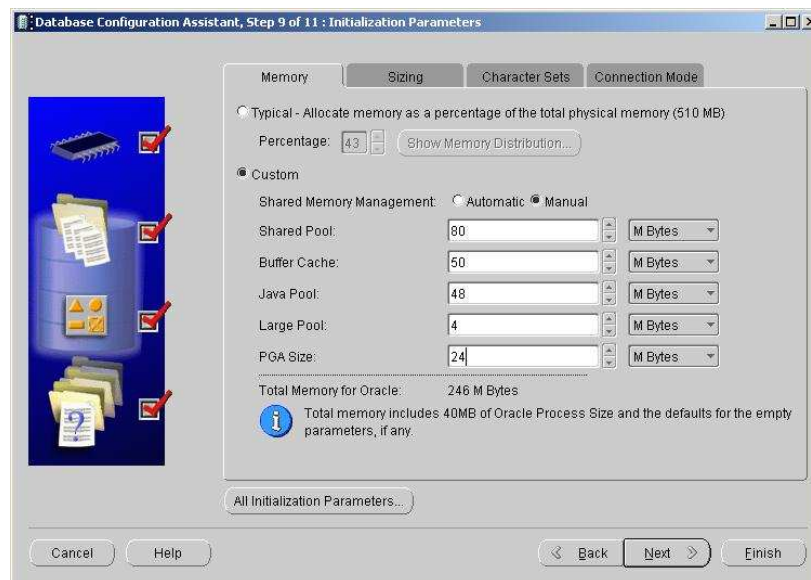


- Click on the *Standard Database Components* button to access the *Standard Database Components* pop-up:



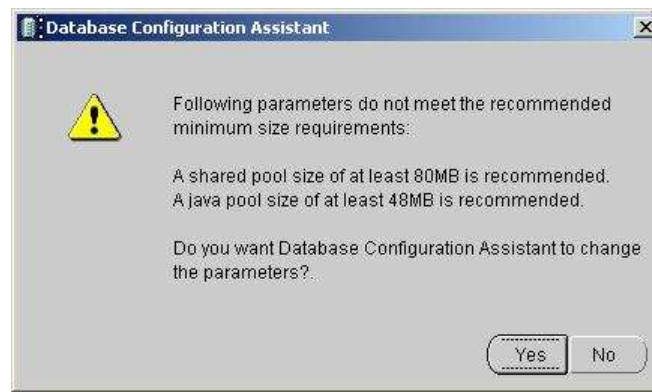
- Clear the checkbox beside the *Oracle XML DB* feature
- Click on **OK**
- Back at the main *Step 8 of 11: Database Content* window, click on *Next*

Oracle Database Configuration Assistant, Step 9 of 11: Initialization Parameters

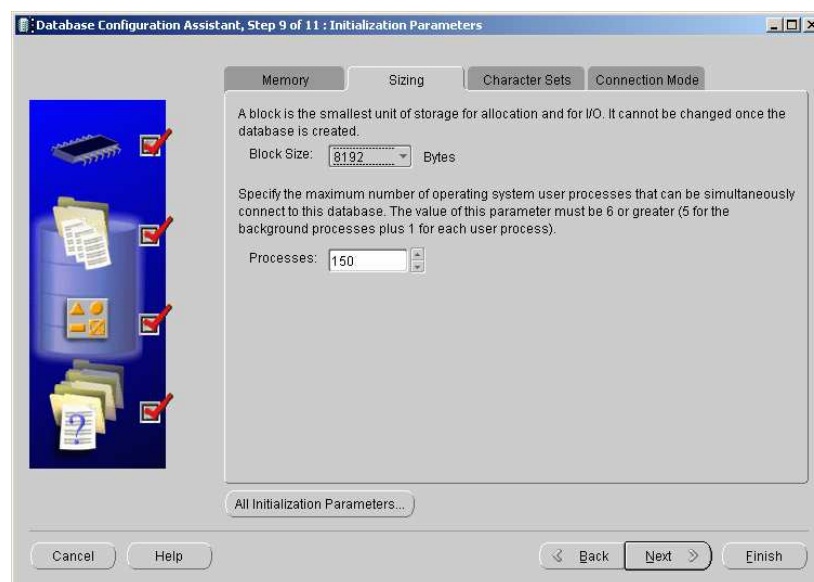


- Ensure the *Memory* tab is selected
- On the *Memory* tab, ensure that the *Custom* RadioButton is selected, and that *Shared Memory Management* is set to *Manual*
- Set the following values:
 - ✓ *Shared Pool* **80 M Bytes**
 - ✓ *Buffer Cache* **50 M Bytes**
 - ✓ *Java Pool* **48 M Bytes**
 - ✓ *Large Pool* **4 M Bytes**
 - ✓ *PGA* **24 M Bytes**

- Select the *Sizing* tab



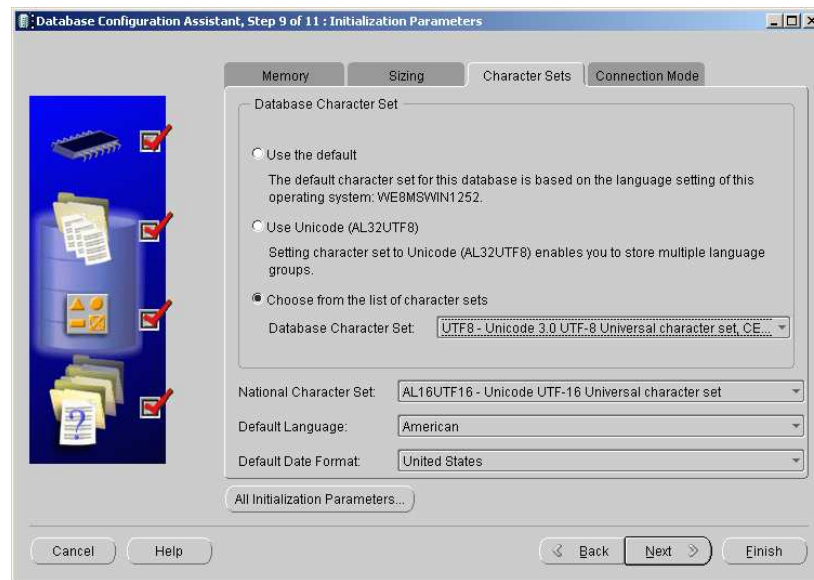
- Click on *No*, indicating that the java pool size should not be changed (Vasont does not utilize Java)



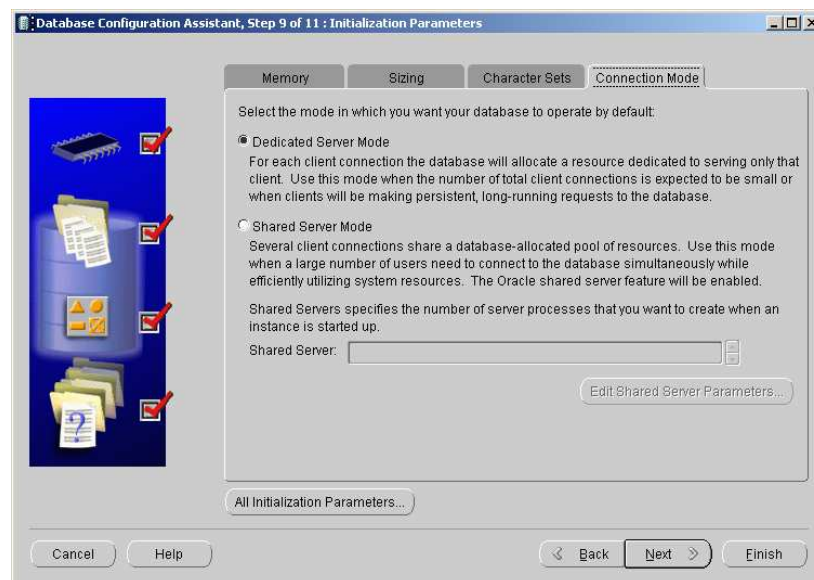
- On the *Sizing* tab, set the following values:

- ✓ *Block Size* **8192**
- ✓ *Processes* **150**

- Select the *Character Sets* tab



- Select the *Choose from the list of character sets* RadioButton and choose *UTF8 – Unicode 3.0 UTF-8 Universal character set, CESU-8 compliant*
- Ensure *National Character Set* is set to *AL16UTF16 – Unicode UTF-16 Universal character set*
- Select the *Connection Mode* tab



- Ensure that the *Dedicated Server Mode* RadioButton is selected

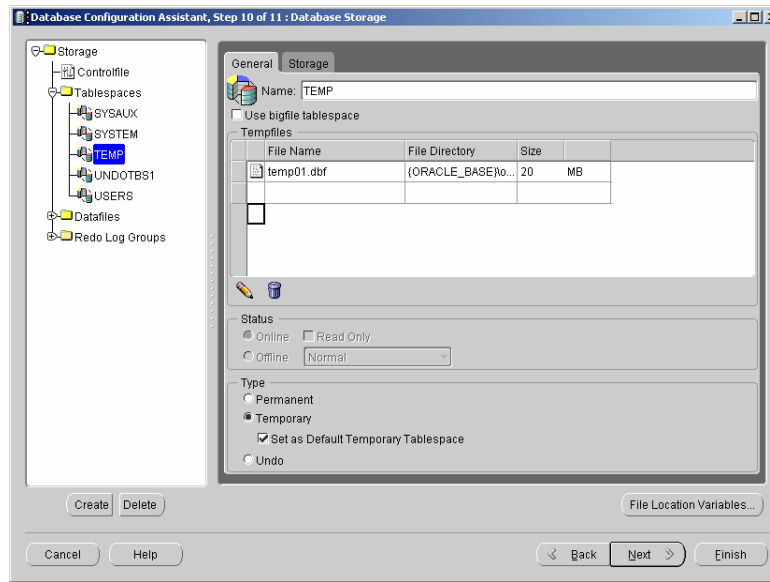
- Click on the *All Initialization Parameters...* button to access the full table of Oracle Initialization Parameters:

Name	Value	Override Def...	Category
cluster_database	FALSE		Cluster Database
compatible	10.2.0.1.0	✓	Miscellaneous
control_files	{(ORACLE_BA...	✓	File Configuration
db_block_size	8192	✓	Cache and I/O
db_create_file_dest			File Configuration
db_create_online_lo...			File Configuration
db_create_online_lo...			File Configuration
db_domain	PIT	✓	Database Identification
db_name	Vasont	✓	Database Identification
db_recovery_file_dest	{ORACLE_BAS...	✓	File Configuration
db_recovery_file_de...	2147483648	✓	File Configuration
instance_number	0		Cluster Database
job_queue_processes	4	✓	Job Queues
log_archive_dest			Archive
log_archive_dest_1			Archive
log_archive_dest_2			Archive
log_archive_dest_st...	enable		Archive
log_archive_dest_st...	enable		Archive
nls_language	AMERICAN		NLS
nls_territory	AMERICA		NLS
open_cursors	300	✓	Cursors and Library ...
pga_aggregate_target	25165824	✓	Sort, Hash Joins, Bit...
processes	150	✓	Processes and Sess...
remote_listener			Network Registration

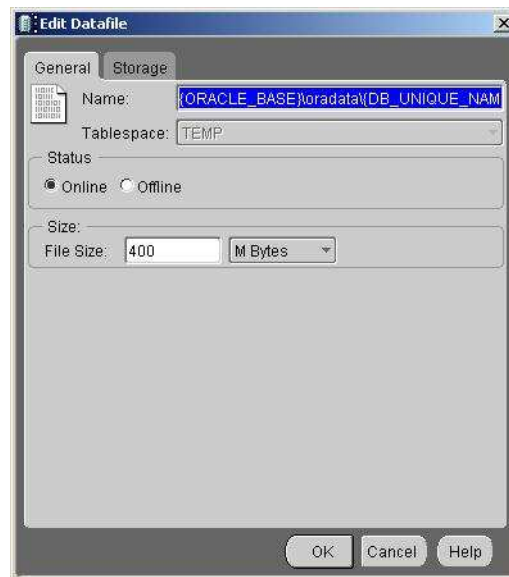
- In the *All Initialization Parameters* window, click on the *Show Advanced Parameters* button, and locate the following parameters:
 - ✓ *db_file_multiblock_read_count* **32**
 - ✓ *sort_area_retained_size* **65536**
 - ✓ *sort_area_size* **2097152**
- Click on *Close* to close the *All Initialization Parameters* window
- Back at the main *Step 9 of 11: Initialization Parameters* window, click on *Next*

Oracle Database Configuration Assistant, Step 10 of 11: Database Storage

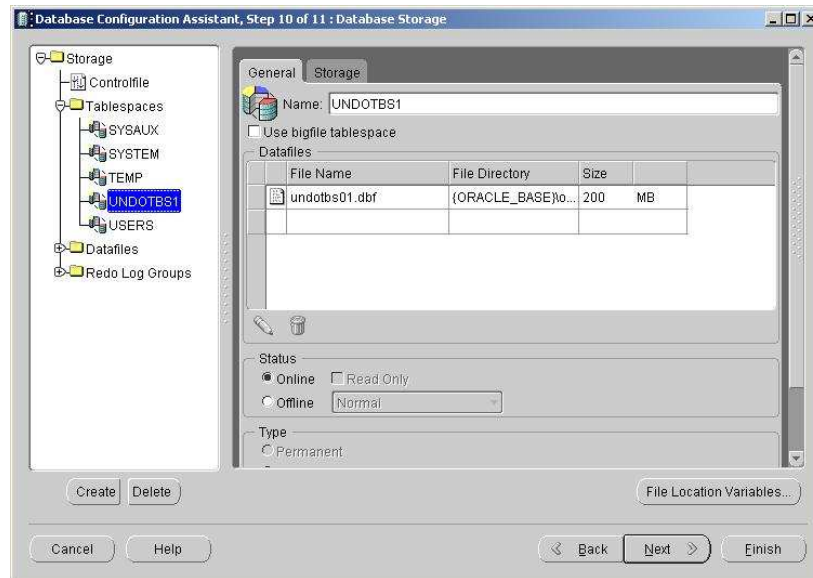
- Expand the *Tablespaces* branch in the *Storage TreeView*
- Select the *TEMP* Tablespace in the *Storage TreeView*:



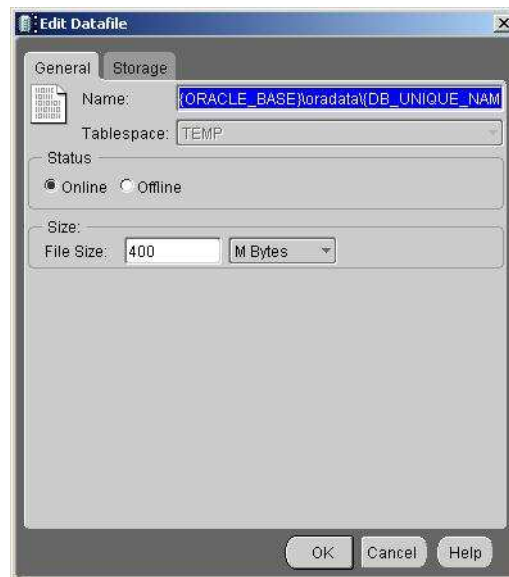
- Activate the *General* tab for the *TEMP* Tablespace
- In the *File Name* column, double-click on the Tablespace's filename to open the *Edit Datafile* window:



- For *File Size*, specify **400 M Bytes**
- Click on *Close* to close the *Edit Datafile* window
- Select the *UNDOTBS1* Tablespace in the *Storage TreeView*:



- Activate the *General* tab for the *UNDOTBS1* Tablespace
- In the *File Name* column, double-click on the Tablespace's filename to open the *Edit Datafile* window:



- For *File Size*, specify **400 M Bytes**
- Click on *Close* to close the *Edit Datafile* window
- From the *Step 10 of 11: Database Storage* window, click on *Next*

Oracle Database Configuration Assistant, Step 11 of 11: Creation Options

Database Configuration Assistant, Step 11 of 11: Creation Options

Select the database creation options:

☒ Create Database

☐ Save as a Database Template

Name:

Description:

☐ Generate Database Creation Scripts

Destination Directory:

Cancel Help Back Next Finish

- Ensure the *Create Database* checkbox is selected
- Click on *Finish* – A *Summary* window, showing the Database Configuration, will appear:

Confirmation

The following operations will be performed:
A database called "Vasont" will be created.

Database Details:

Custom Database
Use this template to create a customized database.

Common Options

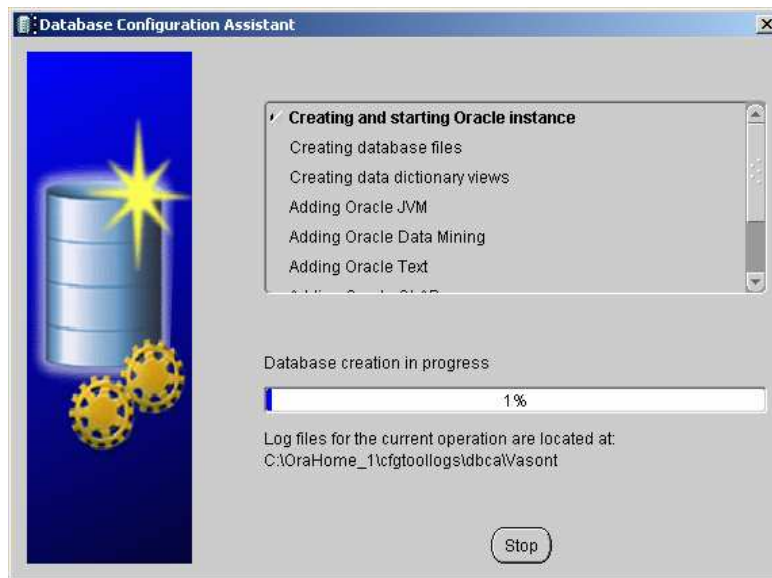
Option	Selected
Oracle JVM	true
Oracle Data Mining	true
Oracle Text	true
Oracle XML DB	false
Oracle Intermedia	false
Oracle OLAP	true
Oracle Spatial	false
Oracle Ultra Search	false
Oracle Label Security	false
Sample Schemas	false

Save as an HTML file...

OK Cancel Help

- Click on *OK*

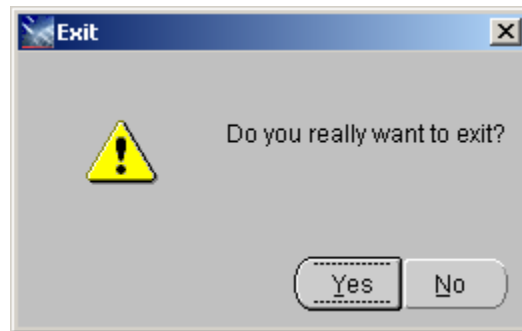
A progress bar will be shown as each Oracle Database is built – This process may take anywhere from ½ to 2 hours, depending on the speed of the Server hardware and the Oracle Configuration selected:



After the Database Creation process has completed, the *End of Installation* window will appear:



- Click on *Exit*



- Click on Yes

After the *Oracle Database Configuration Assistant* has completed, you will be returned to the **Configuration Tools** window.