

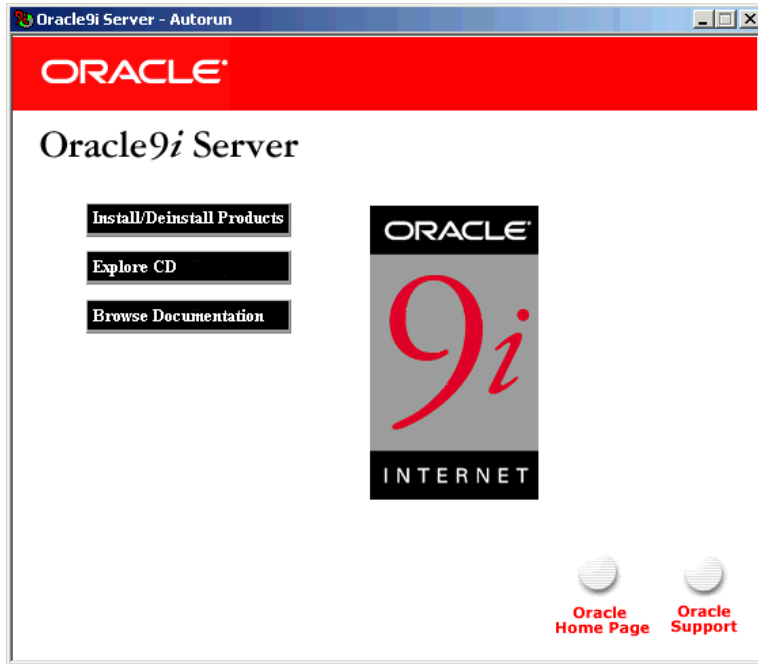


## Oracle 9i Server (Software Installation and Configuration)

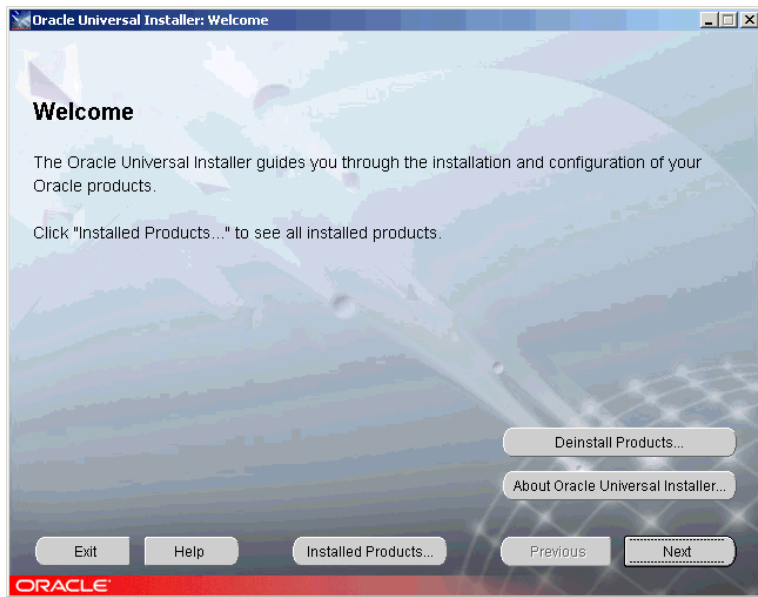
Insert *Oracle9i Database (CD 1 of 3)* into the CD-ROM drive of the Server that will host the Oracle Database. The Oracle9i Server - Autorun menu should appear.

**NOTE:** If the Autorun menu does not appear, click the  button on the Windows Taskbar, then click **Run...**. In the Run dialog, type **d:\autorun\autorun.exe**, then click  (substitute the correct drive letter).



- Click 

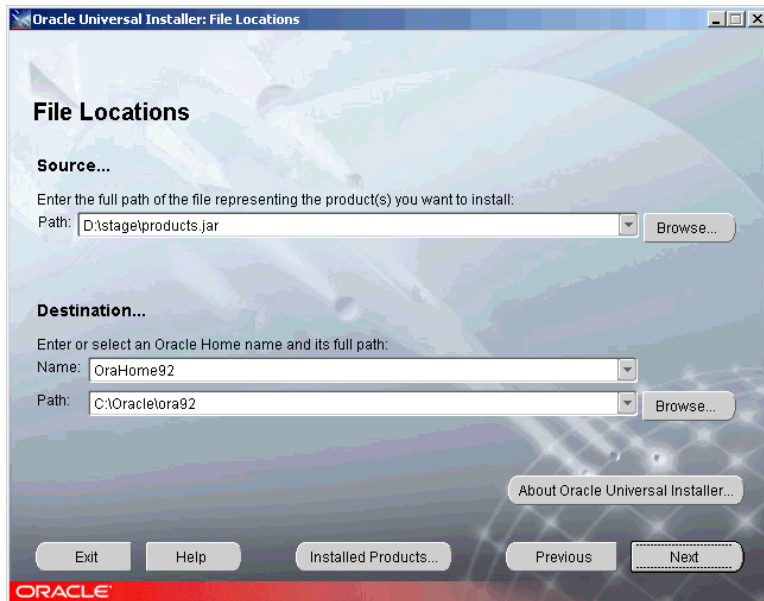
### Welcome Window

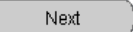


- Click 

## Oracle 9i Server (Software Installation and Configuration)

### File Locations Window



- For *Path*, specify the desired disk and folder for the Oracle Server installation
- Click 

### Available Products Window

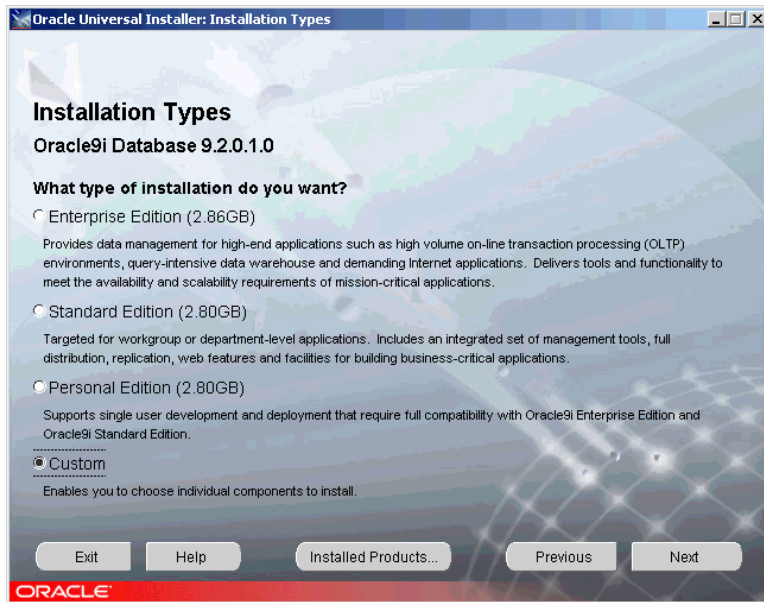


- Ensure *Oracle9i Database 9.x.x.x.x* is selected
- Click 

# Oracle 9i Server

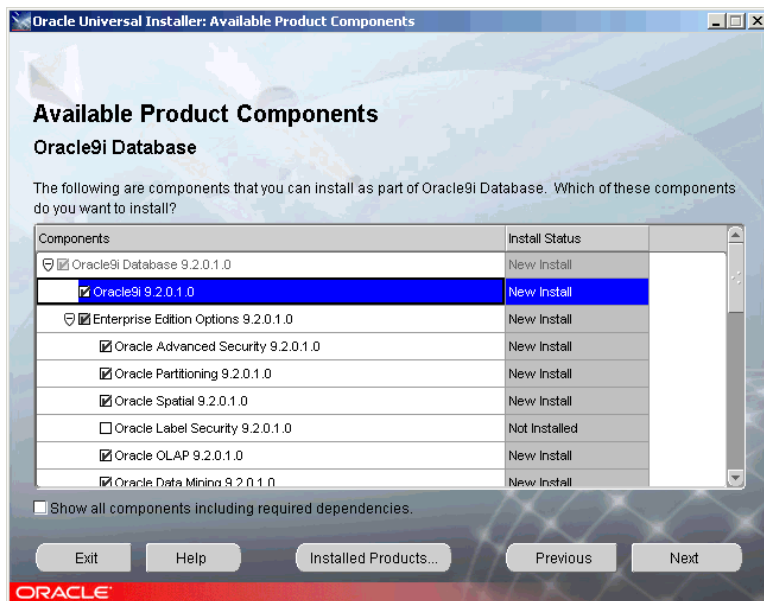
## (Software Installation and Configuration)


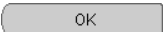
### Installation Types Window



- Select the *Custom* option
- Click 

### 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  and try the next Component.
  - Make one more pass, ensuring all Components except *Oracle9i Database 9.x.x.x.x* are unchecked

## Oracle 9i Server (Software Installation and Configuration)

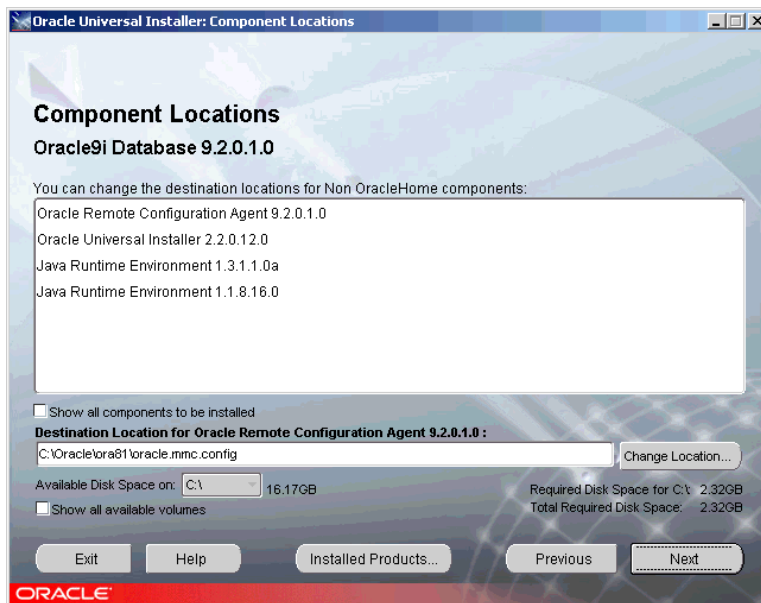
- Working from the top to bottom, select the minimal Components required for Vasont


**NOTE:** Additional Product Components can be selected and installed, if desired. This list reflects the minimal set of Oracle9i components need to run Vasont.

- Check (so the icon appears as ☒) **Oracle9i 9.x.x.x.x**
- Check **Oracle Net Services 9.x.x.x.x**
  - Ensure **Oracle Net Listener 9.x.x.x.x** is checked
- Check **Oracle Enterprise Manager Products 9.x.x.x.x**
  - Ensure **Oracle Intelligent Agent 9.x.x.x.x** is checked
- Check **Enterprise Manager Client 9.x.x.x.x**

- Click 

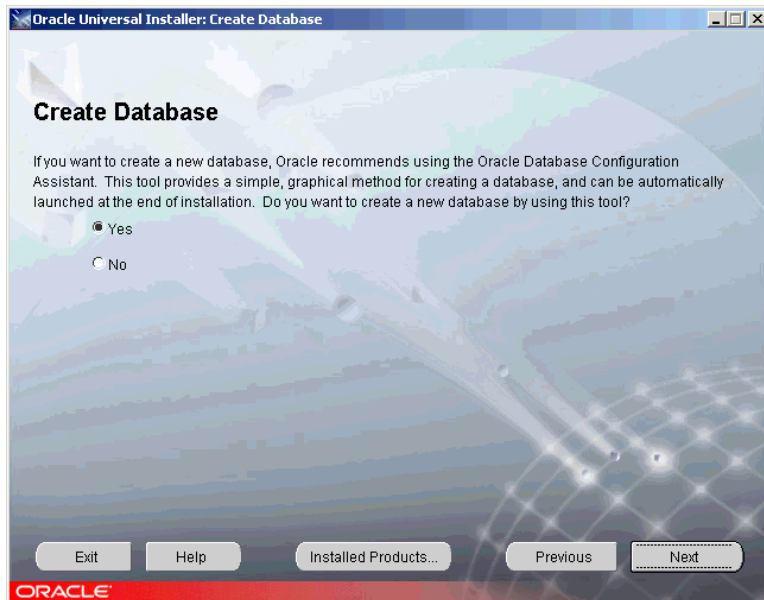
### Component Locations Window



- If desired, change the installation directory for the Non OracleHome components
- Click 

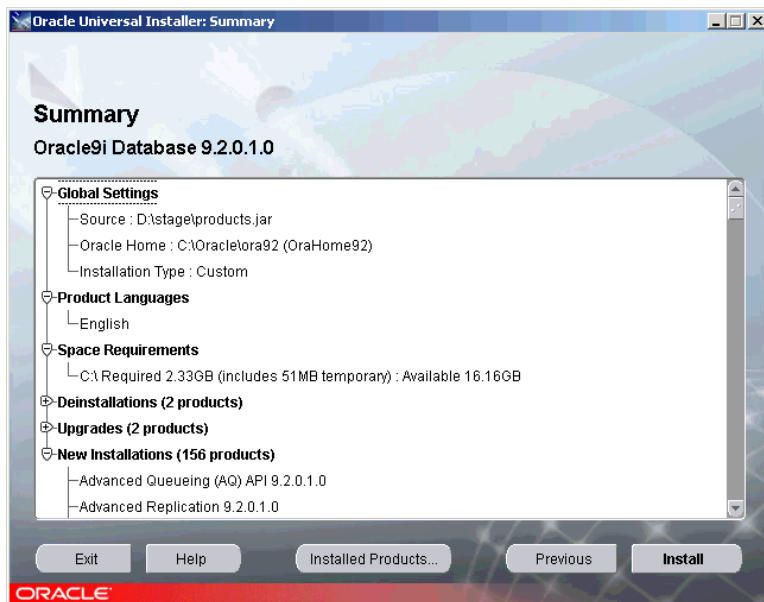
## Oracle 9i Server (Software Installation and Configuration)

### Create Database Window



- Ensure that the **Yes** RadioButton is selected
- Click **Next**

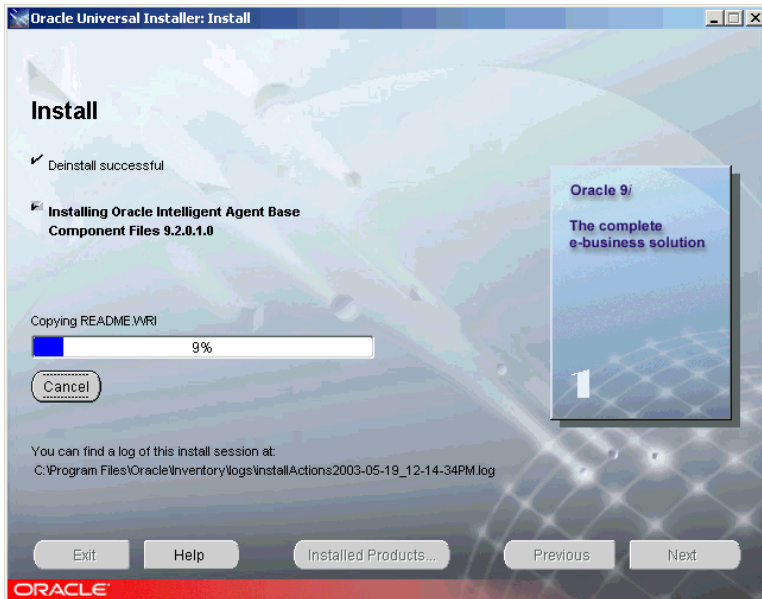
### Summary Window



- Click **Install** to begin installing Oracle


## Oracle 9i Server (Software Installation and Configuration)

### Install Window



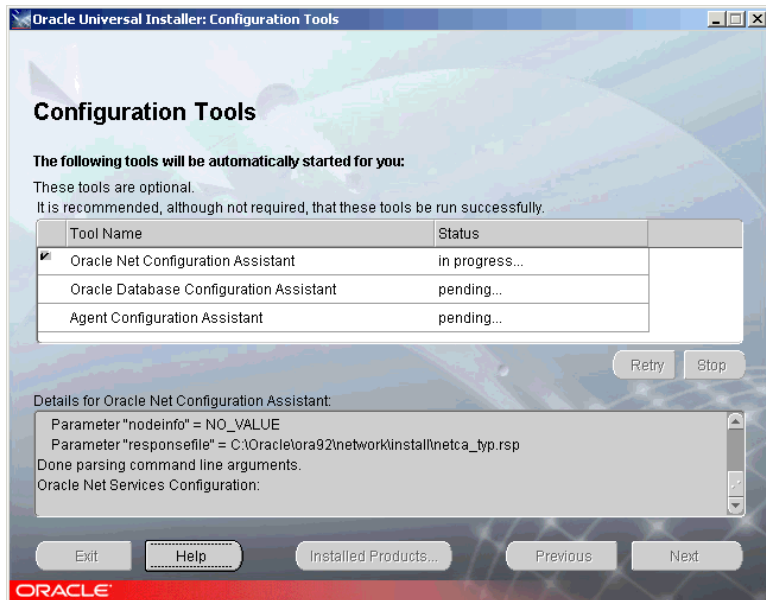
A progress bar will be shown as each selected Oracle Component is installed – This process may take anywhere from ½ to 2 hour, depending on the speed of the Server hardware and the Oracle Configuration selected. Oracle will automatically prompt for *Oracle9i Database (CD 2 of 3)* and *Oracle9i Database (CD 3 of 3)* when these CDs are needed:



- Insert the appropriate Oracle9i Server CD in the drive
- Click 

## Oracle 9i Server (Software Installation and Configuration)

### Configuration Tools 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 

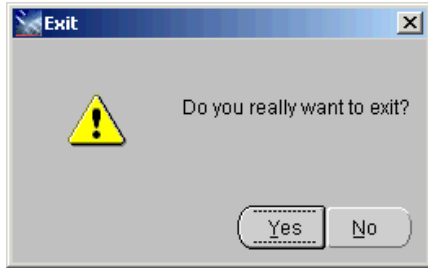
## Oracle 9i Server (Software Installation and Configuration)

### End of Installation Window



- Click

You will be prompted to confirm the exit:



- Click  to exit the *Oracle Universal Installer*
- Your Oracle9i Server is now ready for use

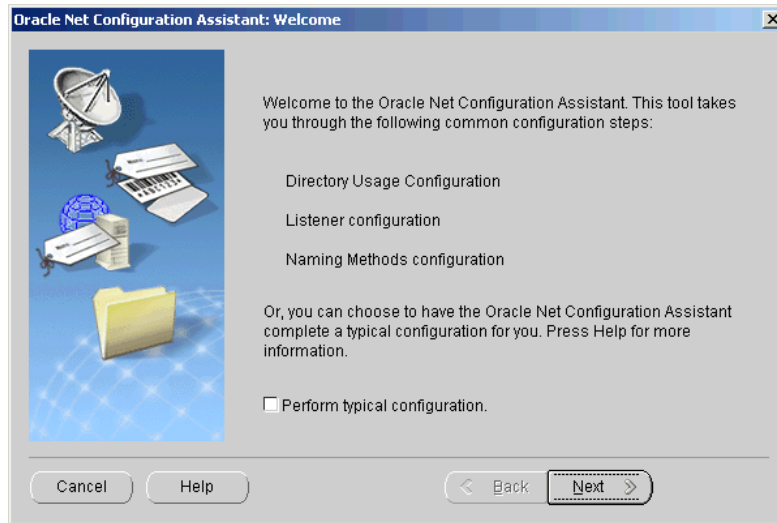




## Oracle 9i Server

### (Appendix A – Oracle Net Configuration Assistant)

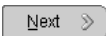
#### Oracle Net Configuration Assistant: Welcome



- Click 

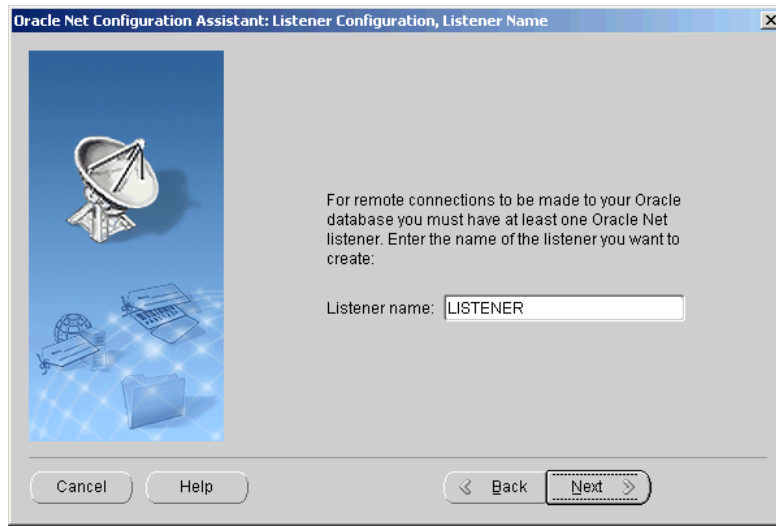
#### Oracle Net Configuration Assistant: Directory Usage Configuration




- Ensure that the *No, I want to defer directory service access configuration to another time* RadioButton is selected
- Click 

## Oracle 9i Server (Appendix A – Oracle Net Configuration Assistant)

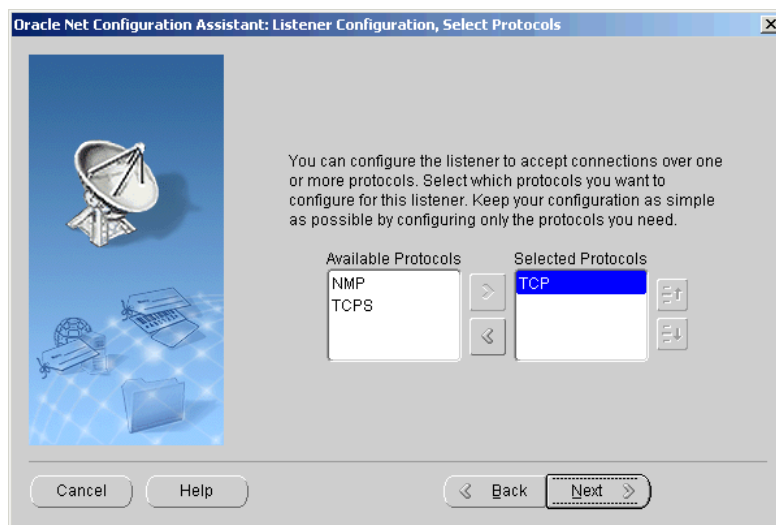
### **Oracle Net Configuration Assistant: Listener Configuration, Listener Name**




The screenshot shows a window titled "Oracle Net Configuration Assistant: Listener Configuration, Listener Name". On the left is a graphic of a satellite dish and network icons. The main text area contains the instruction: "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:". Below this is a text input field labeled "Listener name:" containing the text "LISTENER". At the bottom are buttons for "Cancel", "Help", "< Back", and "Next >".

- Ensure that the *Listener Name* is set to "LISTENER"
- Click 

### **Oracle Net Configuration Assistant: Listener Configuration, Select Protocols**

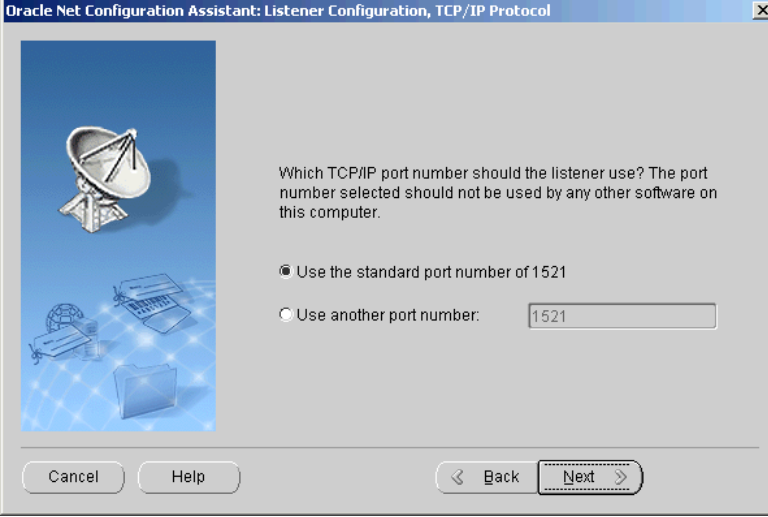


The screenshot shows a window titled "Oracle Net Configuration Assistant: Listener Configuration, Select Protocols". On the left is the same graphic as the previous window. The main text area contains the instruction: "You can configure the listener to accept connections over one or more protocols. Select which protocols you want to configure for this listener. Keep your configuration as simple as possible by configuring only the protocols you need." Below this are two lists: "Available Protocols" containing "NMP" and "TCPS", and "Selected Protocols" containing "TCP". Arrows between the lists allow moving items back and forth. At the bottom are buttons for "Cancel", "Help", "< Back", and "Next >".


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

## Oracle 9i Server (Appendix A – Oracle Net Configuration Assistant)

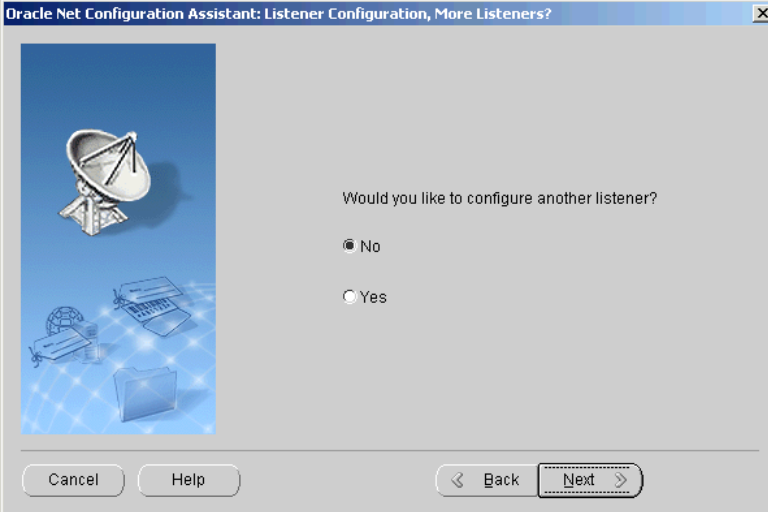
### Oracle Net Configuration Assistant: Listener Configuration, TCP/IP Protocol



The screenshot shows a Windows-style dialog box titled "Oracle Net Configuration Assistant: Listener Configuration, TCP/IP Protocol". On the left is a blue graphic with a satellite dish and network icons. The main text asks: "Which TCP/IP port number should the listener use? The port number selected should not be used by any other software on this computer." There are two radio buttons: "Use the standard port number of 1521" (which is selected) and "Use another port number:" followed by a text box containing "1521". At the bottom are buttons for "Cancel", "Help", "< Back", and "Next >".

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

### Oracle Net Configuration Assistant: Listener Configuration, More Listeners?

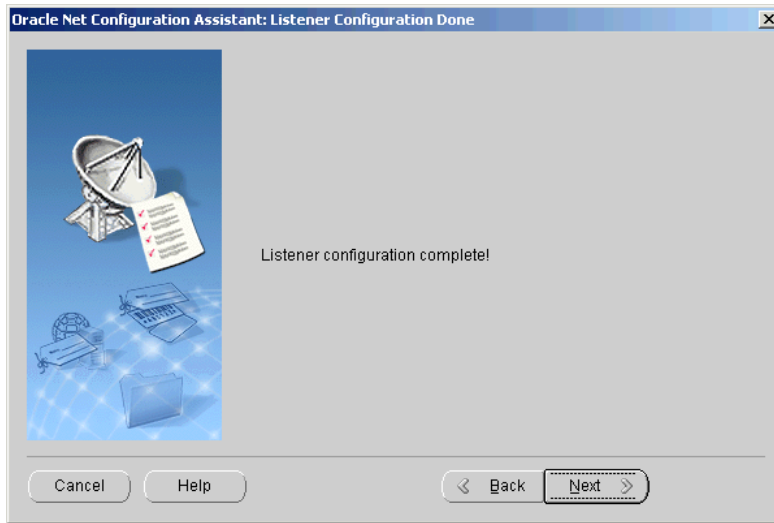


The screenshot shows a Windows-style dialog box titled "Oracle Net Configuration Assistant: Listener Configuration, More Listeners?". On the left is a blue graphic with a satellite dish and network icons. The main text asks: "Would you like to configure another listener?" There are two radio buttons: "No" (which is selected) and "Yes". At the bottom are buttons for "Cancel", "Help", "< Back", and "Next >".

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

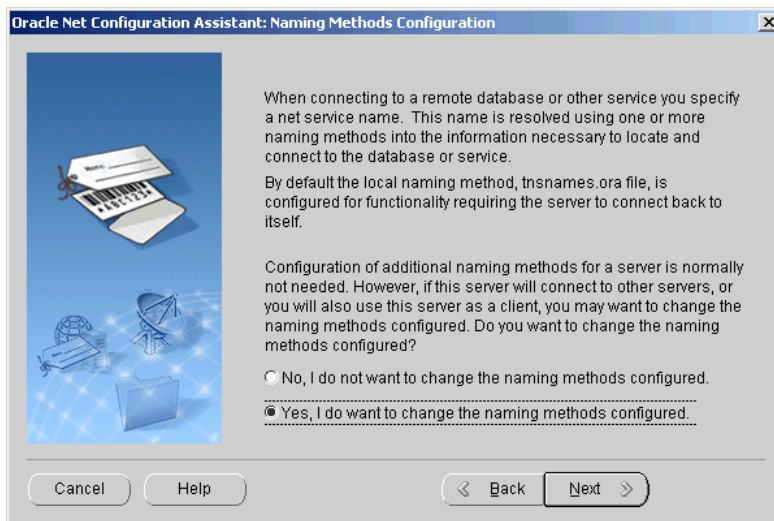
## Oracle 9i Server (Appendix A – Oracle Net Configuration Assistant)

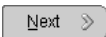
### **Oracle Net Configuration Assistant: Listener Configuration Done**



- Click 

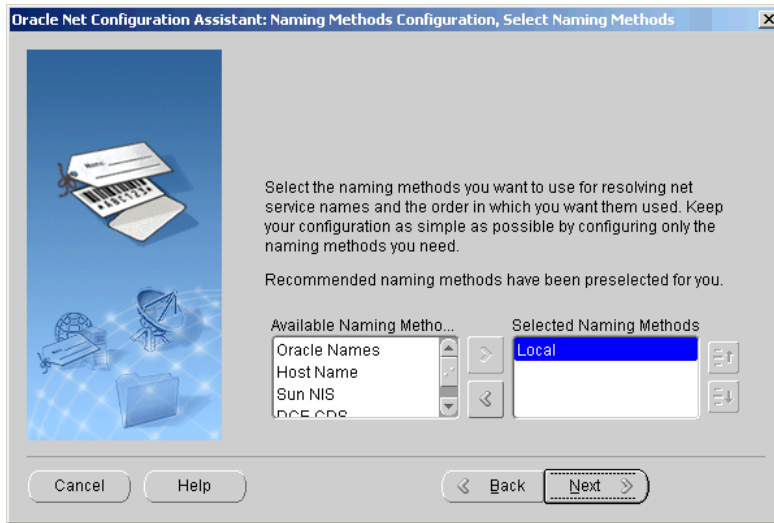
### **Oracle Net Configuration Assistant: Naming Methods Configuration**



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

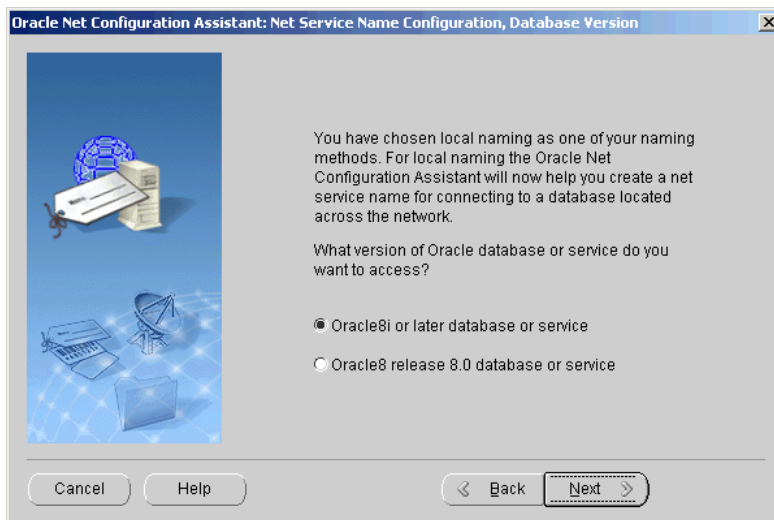
## Oracle 9i Server (Appendix A – Oracle Net Configuration Assistant)

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



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

### Oracle Net Configuration Assistant: Net Service Name Configuration, Database Version

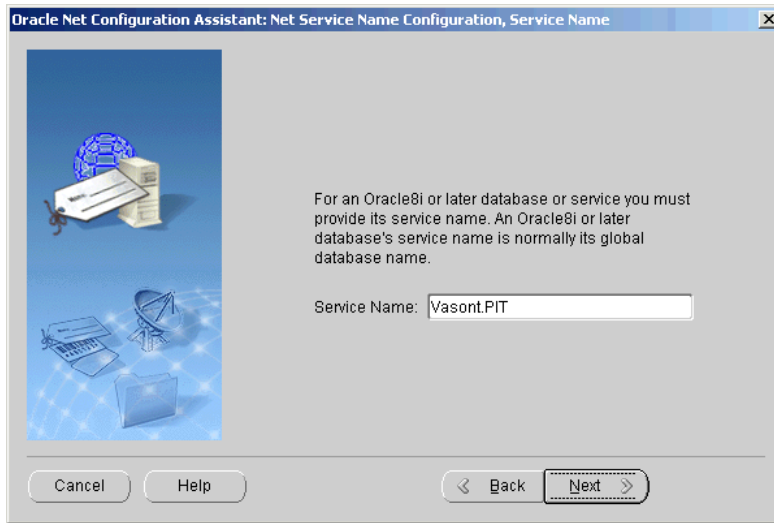


- Ensure that the *Oracle8i or later database or service* RadioButton is selected
- Click **Next >**

## Oracle 9i Server

### (Appendix A – Oracle Net Configuration Assistant)

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



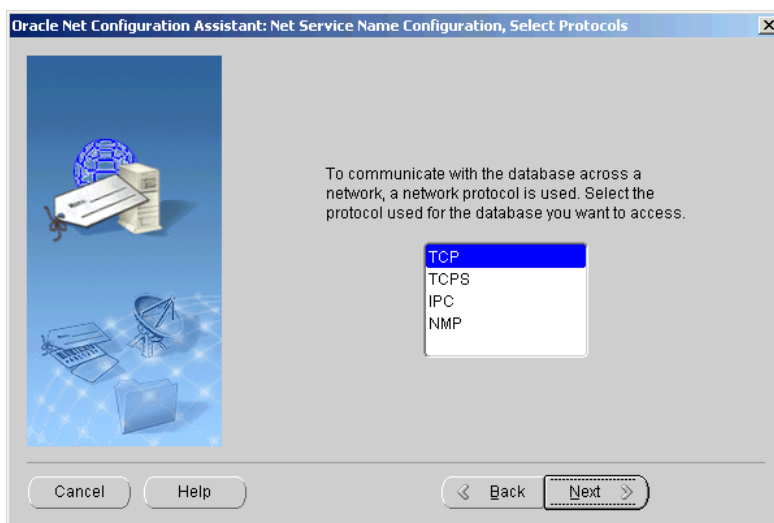
- For **Service Name**, enter the service name you will assign to your Oracle Database (this name is typically a combination of a database name (e.g., "Vasont") and your network domain (e.g., "pit-magnus.com")).

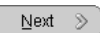
If your organization has a specific network domain, you can use it for the domain portion of the name. You may also want to consider using a generic domain so the domain portion of the Oracle database name is not readily recognizable to potential "hackers" – For example, Progressive Information Technologies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

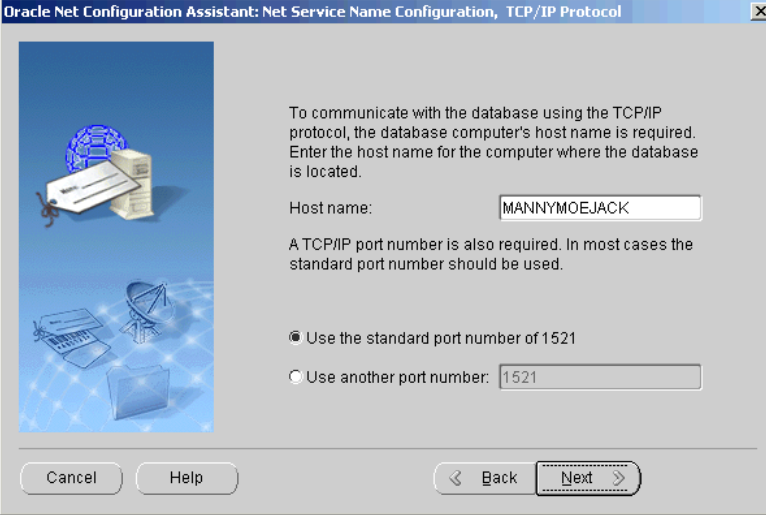
#### **Oracle Net Configuration Assistant: Net Service Name Configuration, Select Protocols**



- Ensure "TCP" is the only selected Protocol
- Click 

## Oracle 9i Server (Appendix A – Oracle Net Configuration Assistant)

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



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

#### Windows NT

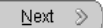
- Go to **Start Menu** → **Settings** → **Control Panel**
- Double-click the *Network* icon
- The *Computer Name* entry represents the Server's host name

#### 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

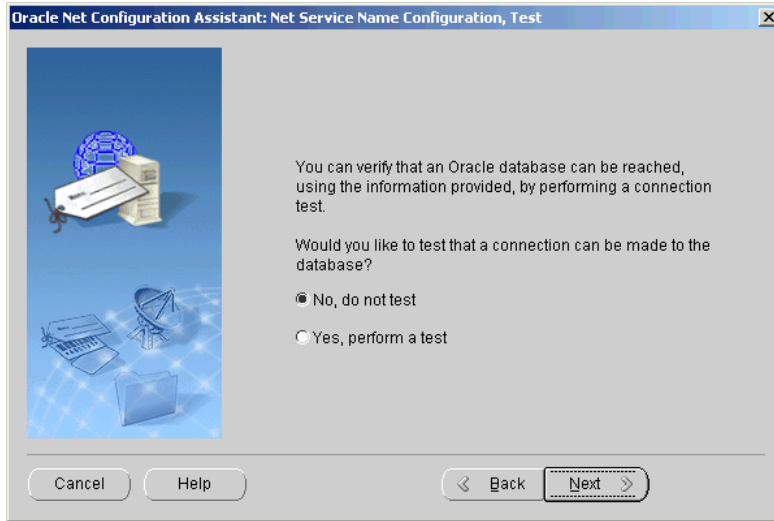
- Go to **Start Menu** → **Settings** → **Control Panel**
- Select (or double-click, depending on your view) the *System* icon
- Activate the *Computer Name* tab page
- Click the *Change...* button
- The *Computer Name* entry represents the Server's host name

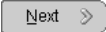
- Ensure that the *Use the standard port number of 1521* RadioButton is selected
- Click 



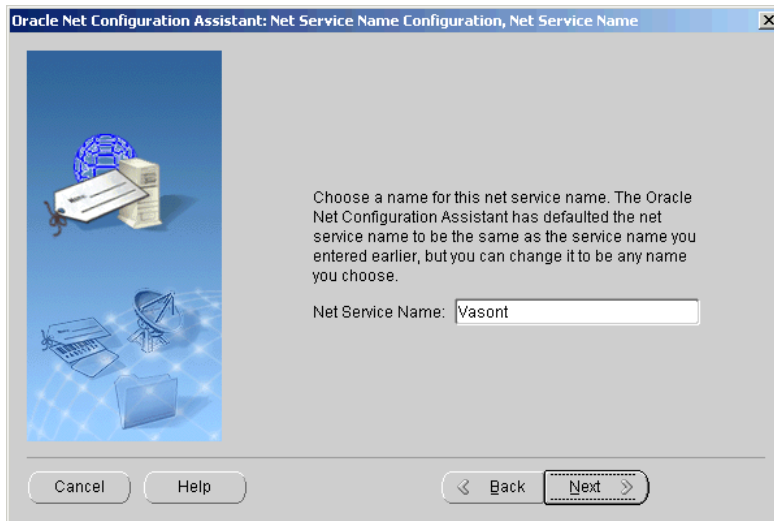
## Oracle 9i Server (Appendix A – Oracle Net Configuration Assistant)

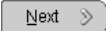
### Oracle Net Configuration Assistant: Net Service Name Configuration, Test



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

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

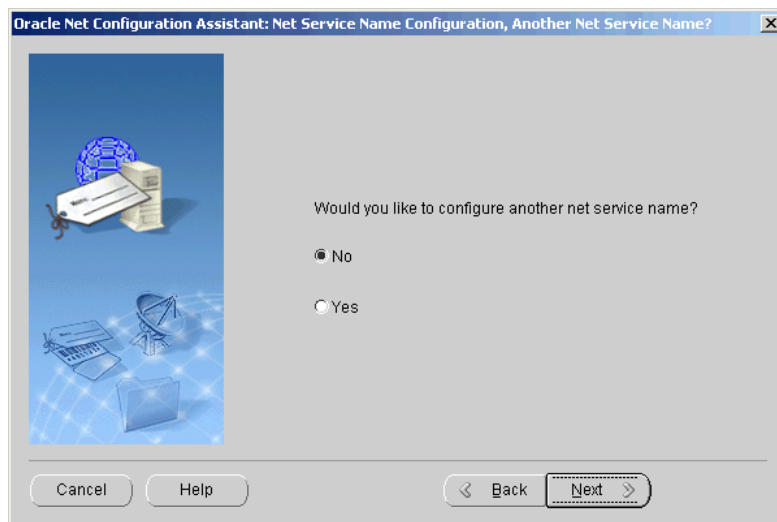


- For *Net Service Name*, enter the name that will be used to access the installed Oracle Database instance on your Server. A default is provided, but may be changed if desired.
- Click 

## Oracle 9i Server

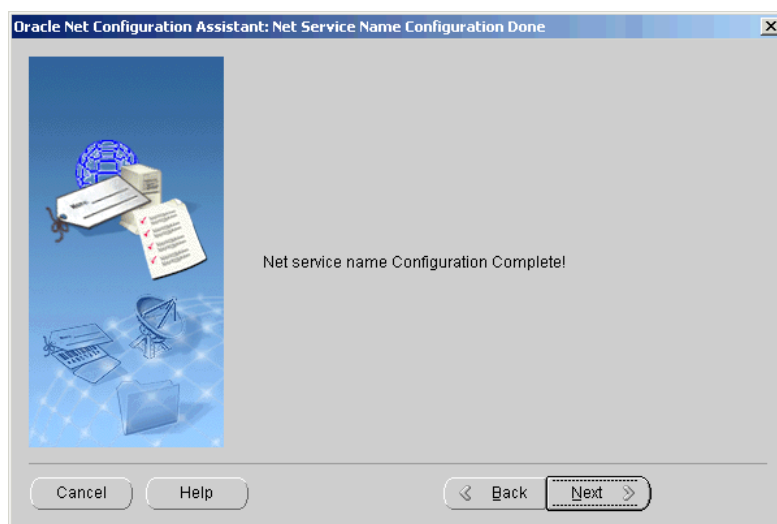
### (Appendix A – Oracle Net Configuration Assistant)

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



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

#### **Oracle Net Configuration Assistant: Net Service Name Configuration Done**

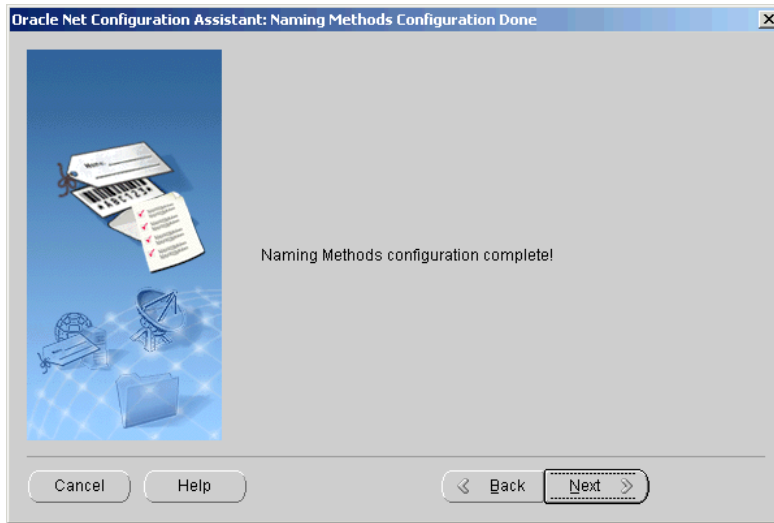


- Click **Next >**

## Oracle 9i Server

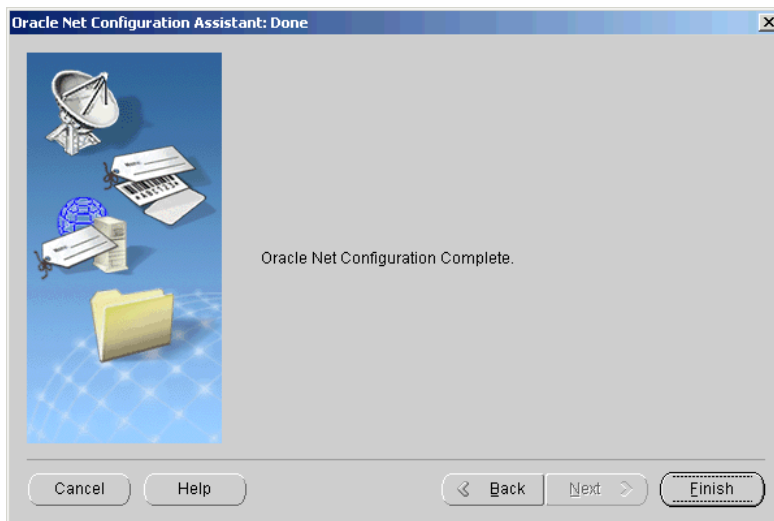
### (Appendix A – Oracle Net Configuration Assistant)

#### **Oracle Net Configuration Assistant: Naming Methods Configuration Done**



- Click 

#### **Oracle Net Configuration Assistant: Done**



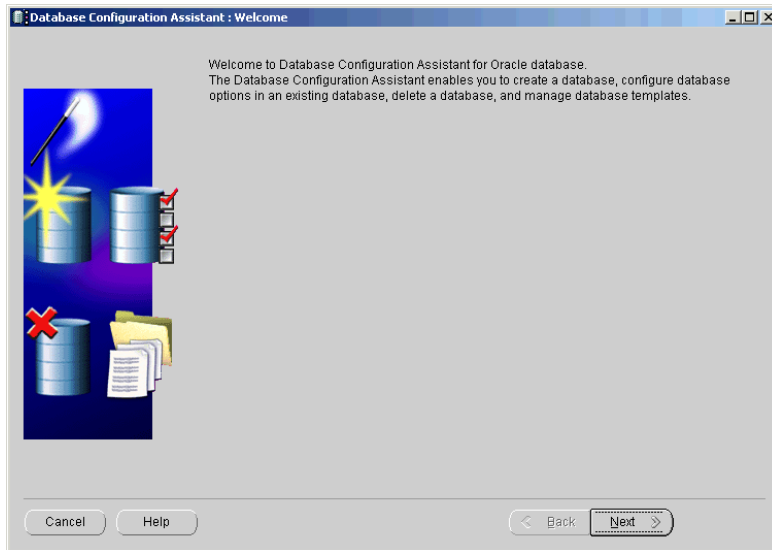
- Click 

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 9i Server

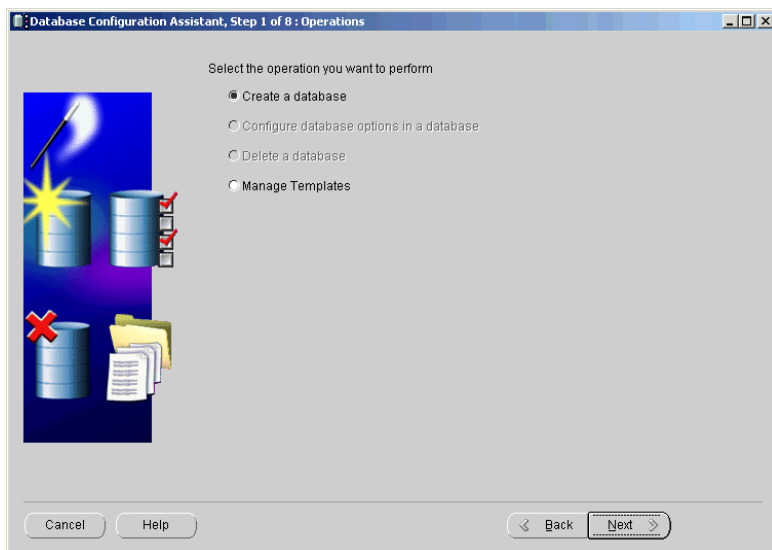
### (Appendix B – Oracle Database Configuration Assistant)

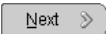
#### Oracle Database Configuration Assistant: Welcome



- Click 

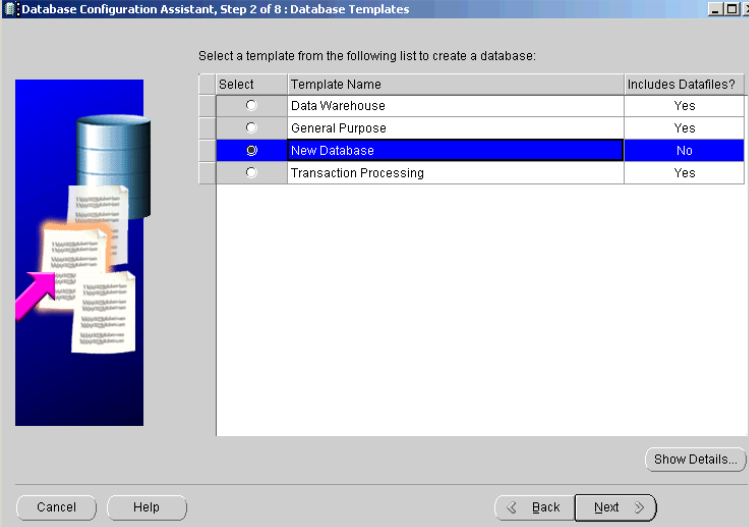
#### Oracle Database Configuration Assistant, Step 1 of 8 : Operations



- Ensure that the *Create a database* RadioButton is selected
- Click 

## Oracle 9i Server (Appendix B – Oracle Database Configuration Assistant)


### Oracle Database Configuration Assistant, Step 2 of 8 : Database Templates



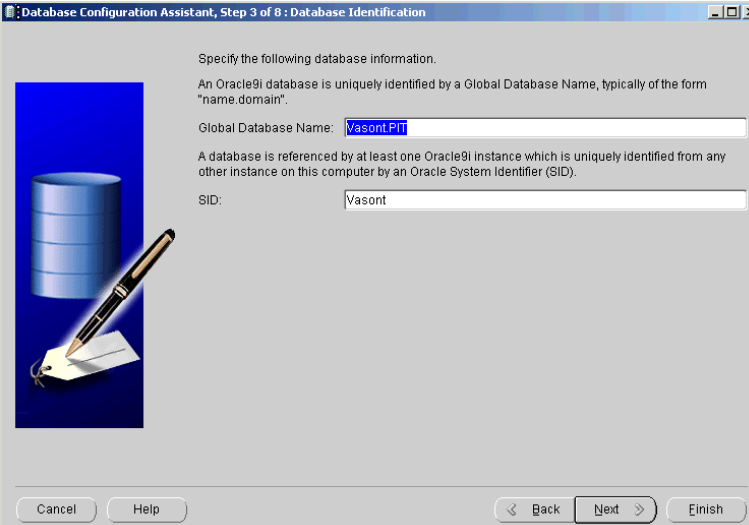
Select a template from the following list to create a database:

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

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

- Ensure that the RadioButton beside the *New Database* template is selected
- Click 

### Oracle Database Configuration Assistant, Step 3 of 8 : Database Identification



Specify the following database information.


An Oracle9i 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 Oracle9i instance which is uniquely identified from any other instance on this computer by an Oracle System Identifier (SID).

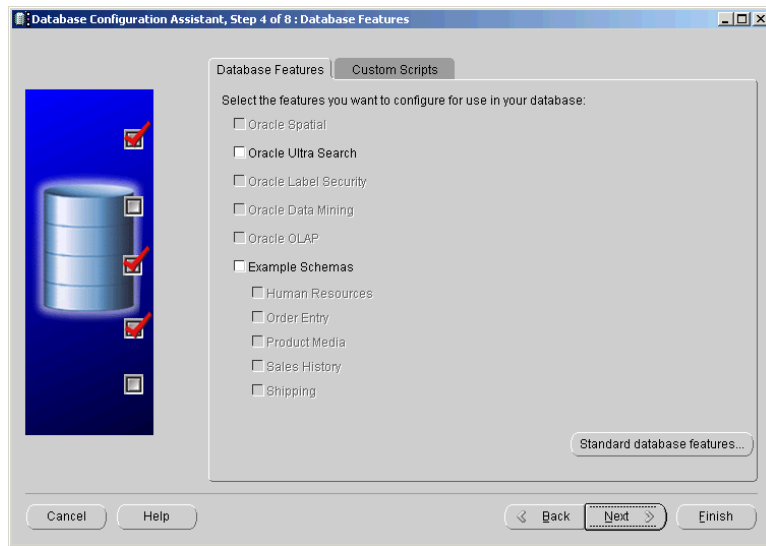
SID:

Buttons: Cancel, Help, Back, Next, Finish

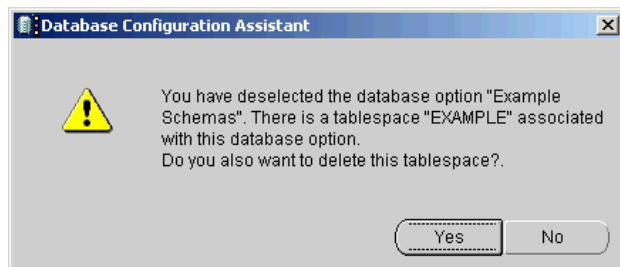
- For *Global Database Name*, enter the [Service Name](#) you specified at the Oracle Universal Installer's [Oracle Net Configuration Assistant: Net Service Name Configuration, Service Name](#) Window.
- The *SID* entry will automatically be filled in based on the *Global Database Name*.
- Click 

## Oracle 9i Server (Appendix B – Oracle Database Configuration Assistant)

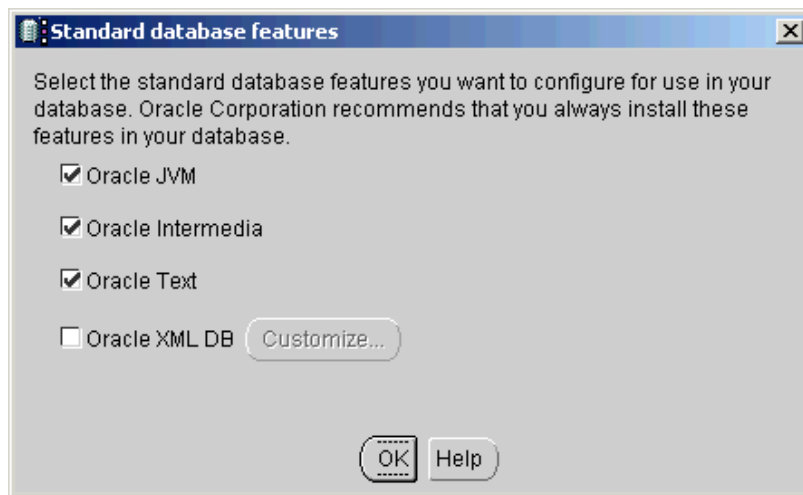
### Oracle Database Configuration Assistant, Step 4 of 8 : Database Features



- Clear the checkbox beside the *Oracle Ultra Search* feature
- Clear the checkbox beside the *Example Schemas* feature – The following prompt will appear:



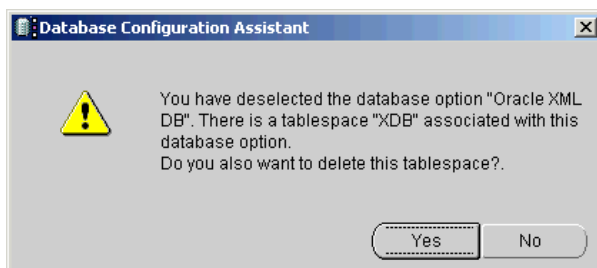
- Click **Yes**, indicating that the Example tablespaces can be deleted
- Click the **Standard database features...** button to access the *Standard database features* pop-up:



- Clear the checkbox beside the *Oracle XML DB* feature – The following prompt will appear:

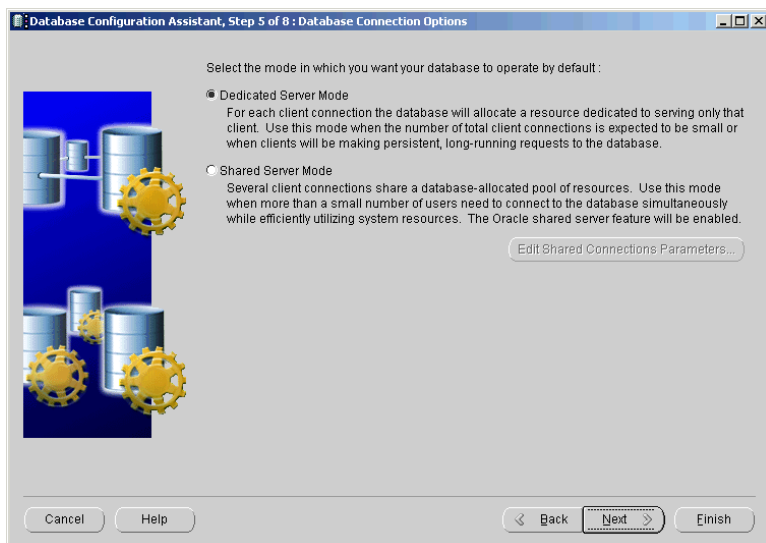
## Oracle 9i Server

### (Appendix B – Oracle Database Configuration Assistant)



- Click **Yes**, indicating that the XDB tablespaces can be deleted
- On the *Standard database features* pop-up, click **OK**
- Back at the main *Step 4 of 8 : Database Features* window, click **Next** ➤

### Oracle Database Configuration Assistant, Step 5 of 8 : Database Connection Options

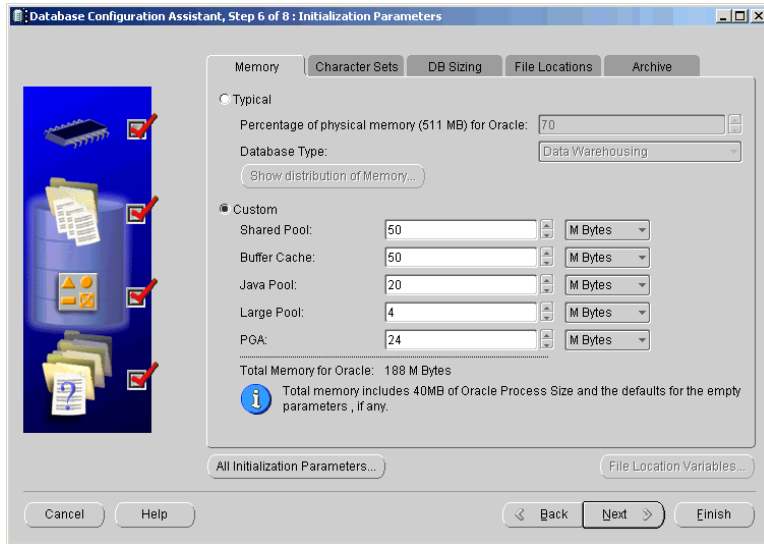


- Ensure that the *Dedicated Server Mode* RadioButton is selected
- Click **Next** ➤

## Oracle 9i Server (Appendix B – Oracle Database Configuration Assistant)

### Oracle Database Configuration Assistant, Step 6 of 8 : Initialization Parameters

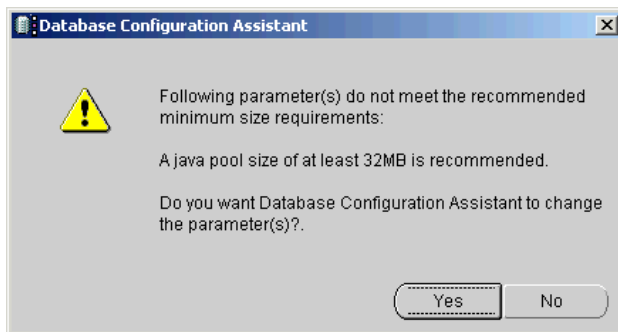
- Ensure the *Memory* tab ( Memory Character Sets DB Sizing File Locations Archive ) is selected:



- On the *Memory* tab, ensure that the *Custom* RadioButton is selected and set the following values:

– Shared Pool	50	M Bytes
– Buffer Cache	50	M Bytes
– Java Pool	20	M Bytes
– Large Pool	4	M Bytes
– PGA	24	M Bytes

- Select the *Character Sets* tab ( Memory Character Sets DB Sizing File Locations Archive ) – The following message will appear:

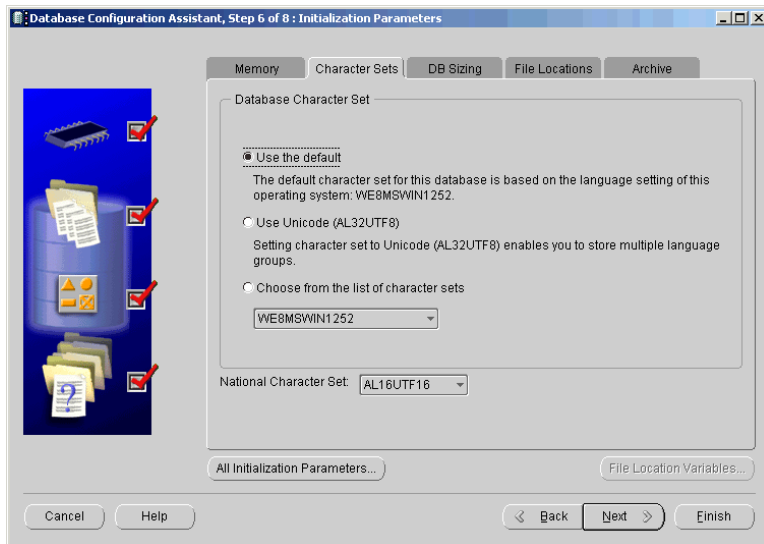


- Click Yes, indicating the java pool size should not be changed (Vasont does not utilize Java).



# Oracle 9i Server

## (Appendix B – Oracle Database Configuration Assistant)



- The Oracle Database Character Set to use depending on whether you are using the standard edition of *Vasont* or *Vasont for Unicode* (includes support for international character sets):

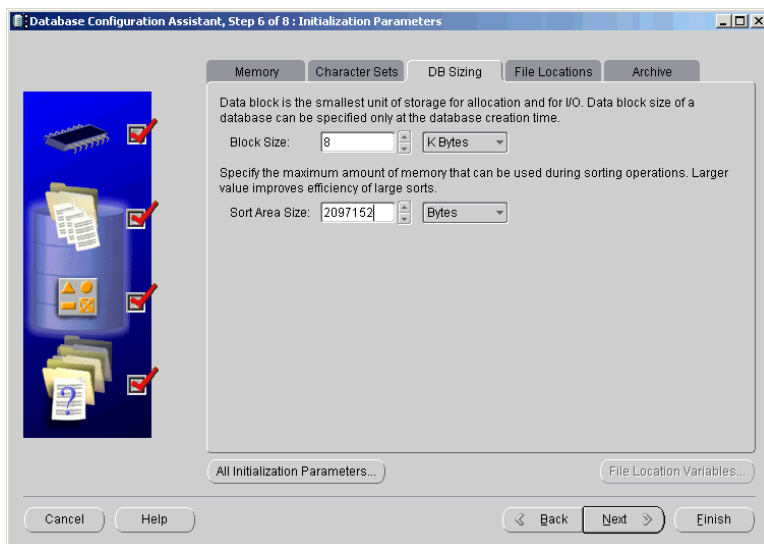
### Vasont (Standard Edition)

- Ensure the *Use the default* RadioButton is selected
- Ensure *National Character Set* is set to **AL16UTF16**

### Vasont for Unicode

- Select the *Choose from list of character sets* RadioButton and choose **UTF8**
- Ensure *National Character Set* is set to **AL16UTF16**

- Select the *DB Sizing* tab ( **Memory** **Character Sets** **DB Sizing** **File Locations** **Archive** )

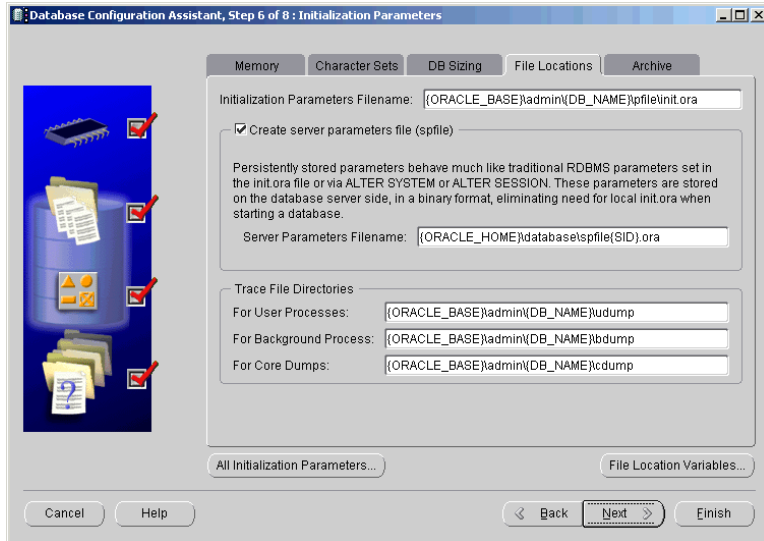


- On the *DB Sizing* tab, set the following values:

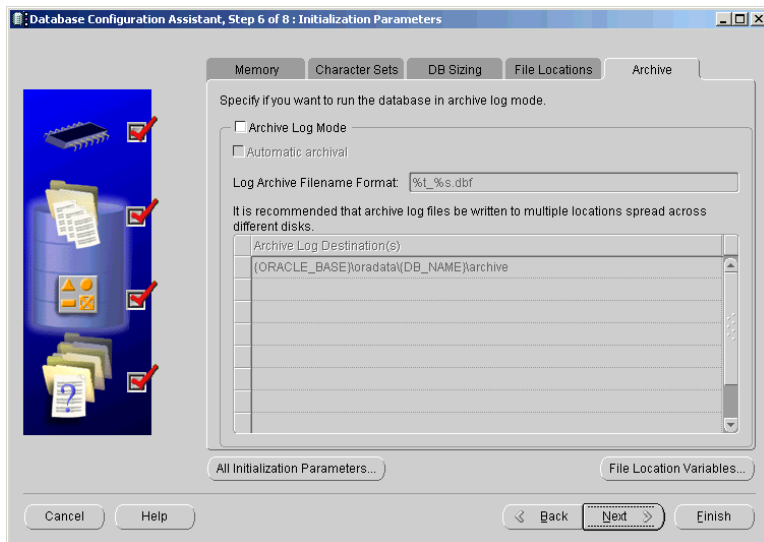
- *Block Size* **8** **K Bytes**
- *Sort Area Size* **2097152** **Bytes**

## Oracle 9i Server (Appendix B – Oracle Database Configuration Assistant)

- If desired, the locations of Oracle's trace files can be altered on the *File Locations* tab  
( Memory Character Sets DB Sizing File Locations Archive ) – Typically, these locations only need to be altered if you want the Server Parameters file or Trace Files stored on a separate disk:



- If desired, Oracle's Archive Log Mode capability can be enabled and configured on the *Archive* tab  
( Memory Character Sets DB Sizing File Locations Archive ) – The use of Oracle's Archive Log Mode allows the Database to be **completely** recovered in the event of instance or disk failures. Consult the Oracle documentation (or Installer Help) for detailed instructions on setting up the Archive Log Mode.



## Oracle 9i Server (Appendix B – Oracle Database Configuration Assistant)


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

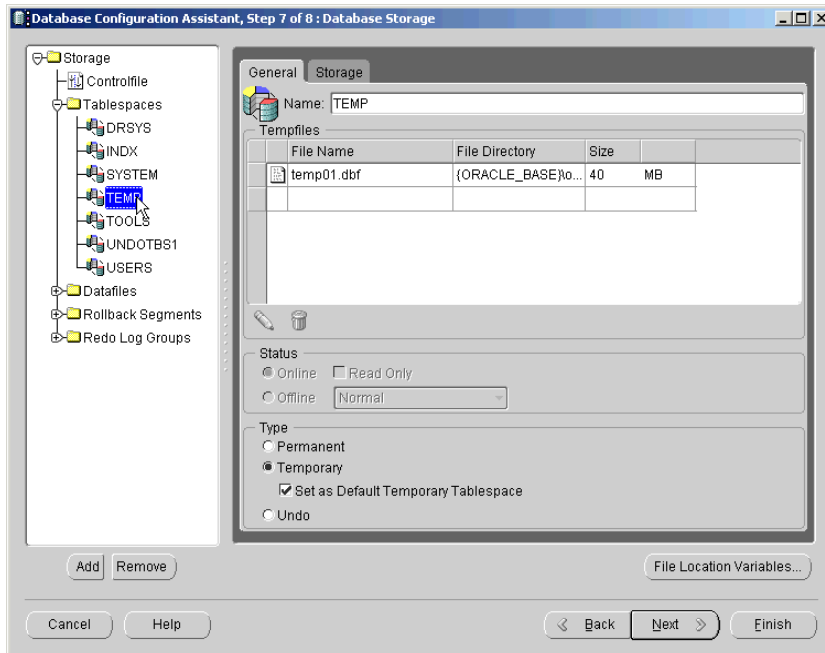
Name	Value	Included (Y/N)	Category
07_DICTIONARY_ACCES...	FALSE		Security and Auditing
active_instance_count			Cluster Database
aq_tm_processes	1	✓	Miscellaneous
archive_lag_target	0		Standby Database
audit_file_dest	?/rdbms/audit		Security and Auditing
audit_trail	NONE		Security and Auditing
background_core_dump	partial		Diagnostics and Statisti
background_dump_dest	{ORACLE_BASE}\a...	✓	Diagnostics and Statisti
backup_tape_io_slaves	FALSE		Backup and Restore
bitmap_merge_area_size	1048576		Sort, Hash Joins, Bitmap
blank_trimming	FALSE		ANSI Compliance
buffer_pool_keep			Cache and I/O
buffer_pool_recycle			Cache and I/O
circuits	0		MTS
cluster_database	FALSE		Cluster Database
cluster_database_instanc...	1		Cluster Database
cluster_interconnects			Cluster Database
commit_point_strength	1		Distributed, Replication
compatible	9.2.0.0.0	✓	Miscellaneous
control_file_record_keep_t...	7		Redo Log and Recovery
control_files	{ORACLE_BASE}\...	✓	File Configuration
core_dump_dest	{ORACLE_BASE}\...	✓	Diagnostics and Statisti



- In the *All Initialization Parameters* window, locate the following parameters (by *Name*) and apply the specified value in the *Value* column:
  - *db\_file\_multiblock\_read\_count*      **32**
  - *job\_queue\_processes*                **4**
  - *sort\_area\_retained\_size*              **65536**
- Click **Close** to close the *All Initialization Parameters* window
- Back at the main *Step 6 of 8 : Initialization Parameters* window, click **Next >**

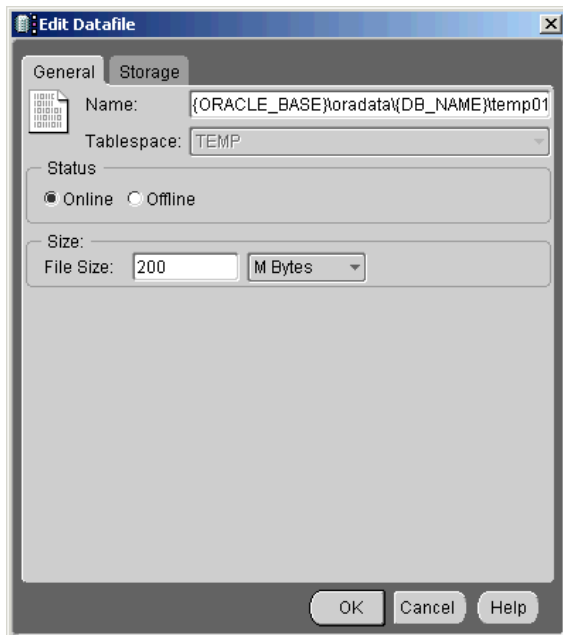
## Oracle 9i Server (Appendix B – Oracle Database Configuration Assistant)

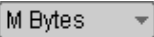

### Oracle Database Configuration Assistant, Step 7 of 8 : Database Storage

- Expand the *Tablespaces* branch in the *Storage* TreeView by clicking the  icon
- 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:

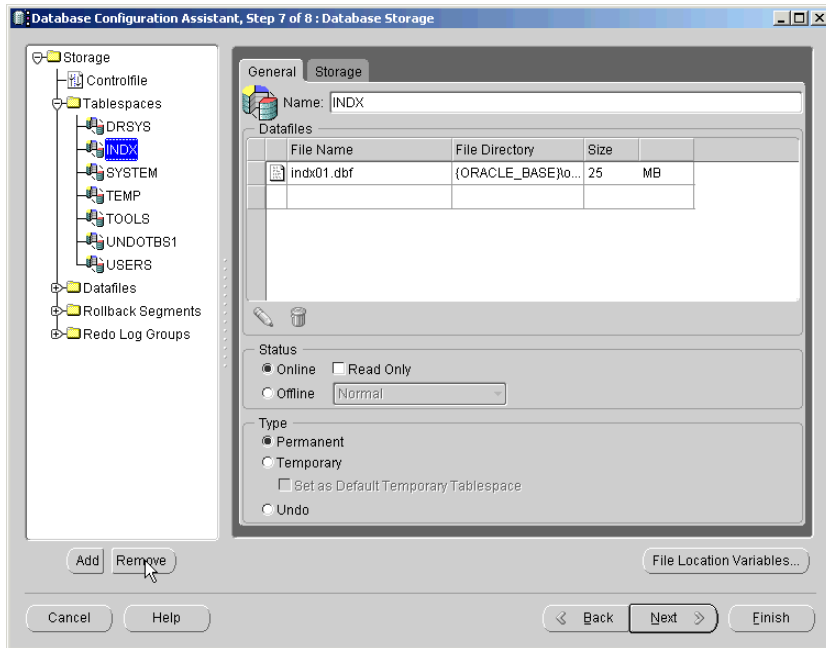


- For *File Size*, specify **200** 
- Click  to close the *Edit Datafile* window

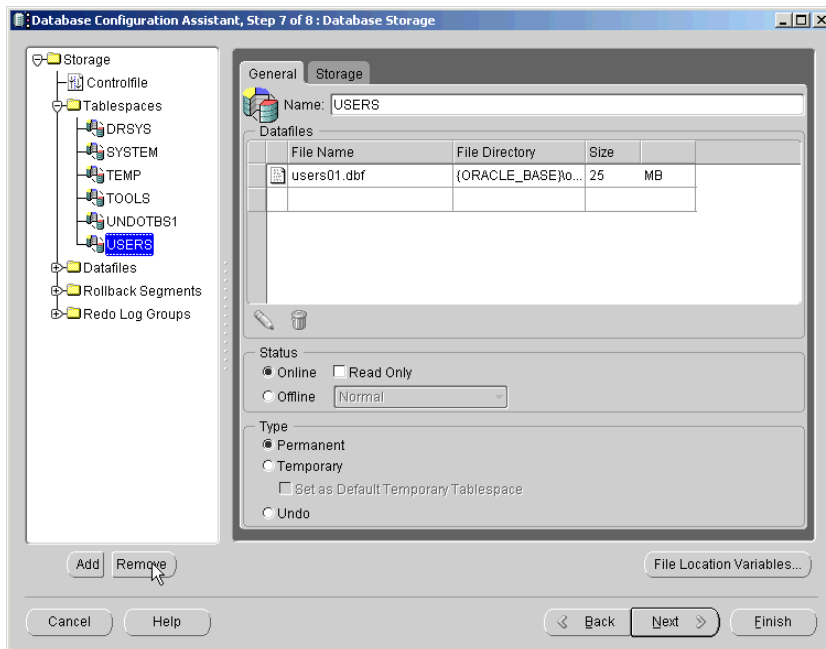
## Oracle 9i Server

### (Appendix B – Oracle Database Configuration Assistant)

- Select the *INDX* Tablespace in the *Storage* TreeView and click the **Remove** button:



- When prompted *Are you sure you want to remove tablespace "INDX"?*, click **Yes**
- Select the *USERS* Tablespace in the *Storage* TreeView and click the **Remove** button:



- When prompted *Are you sure you want to remove tablespace "USERS"?*, click **Yes**
- Click **Next**

## Oracle 9i Server (Appendix B – Oracle Database Configuration Assistant)

### Oracle Database Configuration Assistant, Step 8 of 8 : Creation Options

Select the following database creation options:

☒ Create Database

☐ Save as a Database Template

Name:

Description:

☐ Generate Database Creation Scripts

Destination Directory:

- Ensure the *Create Database* RadioButton is selected
- Click  -- A *Summary* window, showing the Database Configuration, will appear:

Following operation(s) will be performed:  
Creation of database with db name "Vasont".

Use this template to create a customized database.

### Common Options

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

### Initialization Parameters

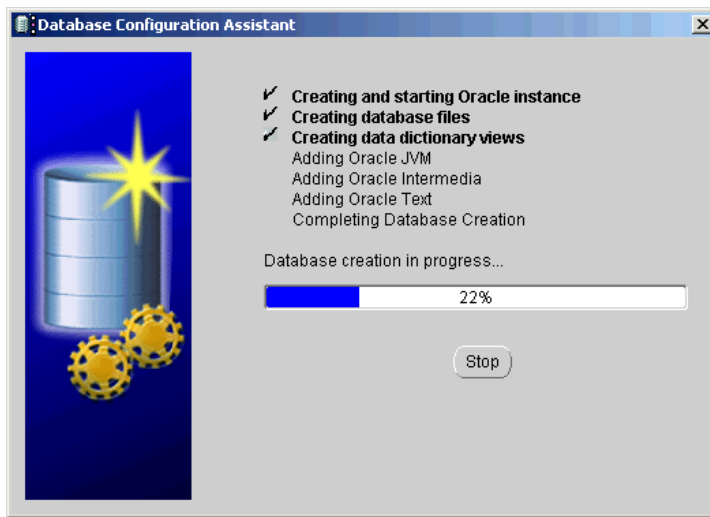
Name	Value
------	-------

- Click

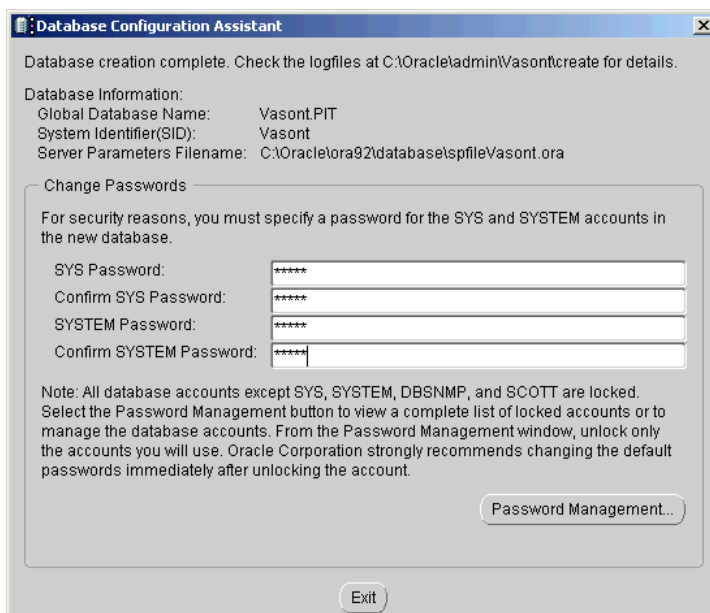
## Oracle 9i Server


### (Appendix B – Oracle Database Configuration Assistant)

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



After the Database Creation process has completed, you will be prompted the enter Passwords for Oracle's internal SYS and SYSTEM accounts:



- Enter and confirm the Passwords for the SYS and SYSTEM Administrative Accounts
- ▶ Make note of these Passwords and store them in a safe, secure location – These Passwords are frequently required for routine Oracle configuration and maintenance!
- Click 

After the *Oracle Database Configuration Assistant* has completed, you will automatically be returned to the [\*\*Configuration Tools\*\*](#) Window.