

ORACLE 8i (v.8.1.7) Installation & Configuration

1.1 Scope

This document details the steps to perform a new installation of Oracle8i (version 8.1.7) server, Oracle8i Release 3 patch, and Oracle8i (v8.1.7) Client on a Windows 2000 system. The assumption is that no Oracle products have ever been installed on this system before. All software for these installations is provided on CD-ROM.

1.2 Document History

Version	Description	Date
3.0	New Installation of Oracle 8i (v.8.1.7) and Patch (v.8.1.7.3)	05/23/02
3.1	Edited Patch and Client Installations	07/16/02
3.2	Updated for Oracle "Patch 4"	08/19/02

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1.4 Supported Operating Systems

Oracle8i server and client software operates on a personal computer (PC) running the following Microsoft Operating Systems:

OS	Types	Oracle8i Server Software	Oracle8i Client Software
Windows 2000	Windows 2000 Professional	YES	YES
	Windows 2000 Server	YES	YES
	Windows 2000 Advanced Server	YES	YES
	Windows 2000 Data Center	YES	YES
Windows NT 4.0	Windows NT Workstation 4.0	YES	YES
	Windows NT Server 4.0	YES	YES
	Windows Server Enterprise Edition 4.0	YES	YES
Windows 95		NO	YES
Windows 98		NO	YES

1.5 Hardware and Software Requirements

Please refer to the Software Release Specification document for information on how to configure the hardware and software for this system.

1.6 Installation of Oracle 8i (v8.1.7) for a Synapse Database Server

Following are the steps for installing Oracle8i (v8.1.7) server. This **must** be followed by the installation of the Oracle8i Release 3 patch (v8.1.7.4.4) in Section 1.7.

1.6.1 Oracle 8i (v8.1.7) Installation

This section describes the installation of Oracle 8i (v8.1.7) on a machine intended for use as a Synapse database server.

FOR INSTALLATIONS ON MACHINES WITH INTEL PENTIUM P4 PROCESSORS ONLY:

If installing onto a machine with an Intel P4 Processor, the Oracle Universal Installer (OUI) will not start when attempting to install Oracle 8i. The following steps must be performed prior to successfully run the OUI and install Oracle 8i:

- ***Create a temporary directory on the server hard drive***
- ***Copy the entire Oracle 8i CD to the temporary directory***
- ***Search the copied Oracle 8i folders for the file symcjit.dll***
- ***Remove the Read-Only attribute for each instance of symcjit.dll. Right-click on the highlighted file and uncheck the Read-Only attribute box at the bottom of the window of the General tab.***
- ***Rename each instance of symcjit.dll to symcjit.old***
- ***Run Setup.exe from the temporary directory using the copy on the hard drive***
- ***Follow the instructions below beginning with the last part of Step 1: "Click on Install/Deinstall Products option."***
- ***After the successful installation of Oracle 8.1.7, delete the contents of the temporary directory.***

1.6.1.1 Autorun

Insert the Oracle 8i Installation CD and allow the Autorun to start. The screen below will come up on the screen. If the Autorun does not execute navigate to the CD drive and run the **autorun.exe** from Autorun directory of your CD drive. For instance, if Drive E is your CD drive, you can execute like the following in the Start, Run command:-E:\autorun\autorun.exe.



In the **Oracle8i** window above, click on “**Install/Deinstall Products**” option.

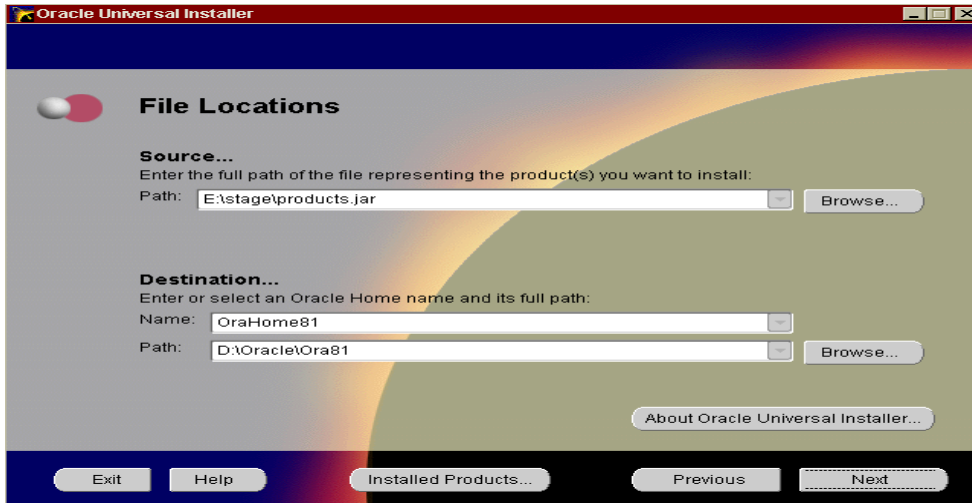
1.6.1.2 Welcome Window

Next the **Welcome** window below will show. Click on “**Next**” to begin the installation.



1.6.1.3 File Locations

In the **File Locations** window below, there are two headers named “**Source...**” and “**Destination...**”



Do not change the information under the “**Source...**” heading; however **do** change the “**Destination...**” section with the following:

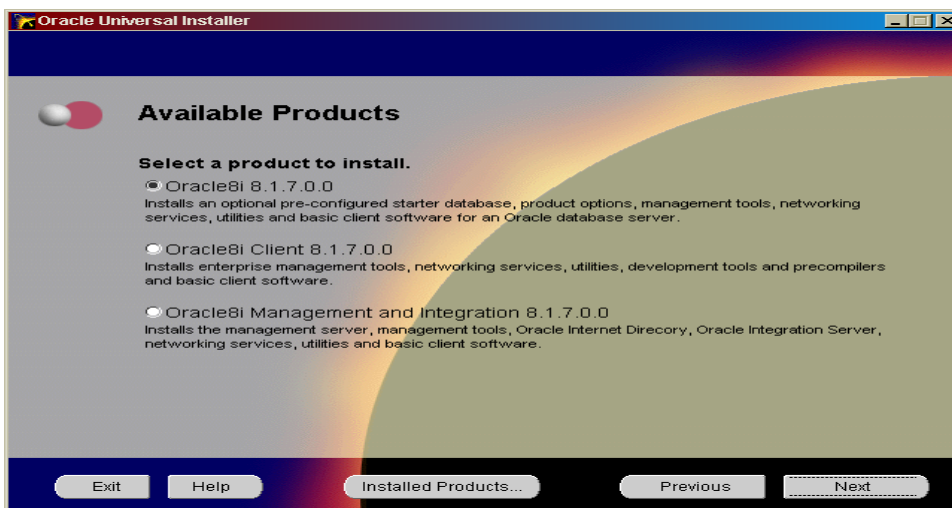
Name: ***OraHome81***
Path*: ***D:\Oracle\Ora81***

Then click on “**Next**” button

***Note:** The path must set to **D:\Oracle\Ora81**.

1.6.1.4 Available Products

In the **Available Products** window below, select the **Oracle 8i 8.1.7.0.0** option and Click on the “**Next**” button.



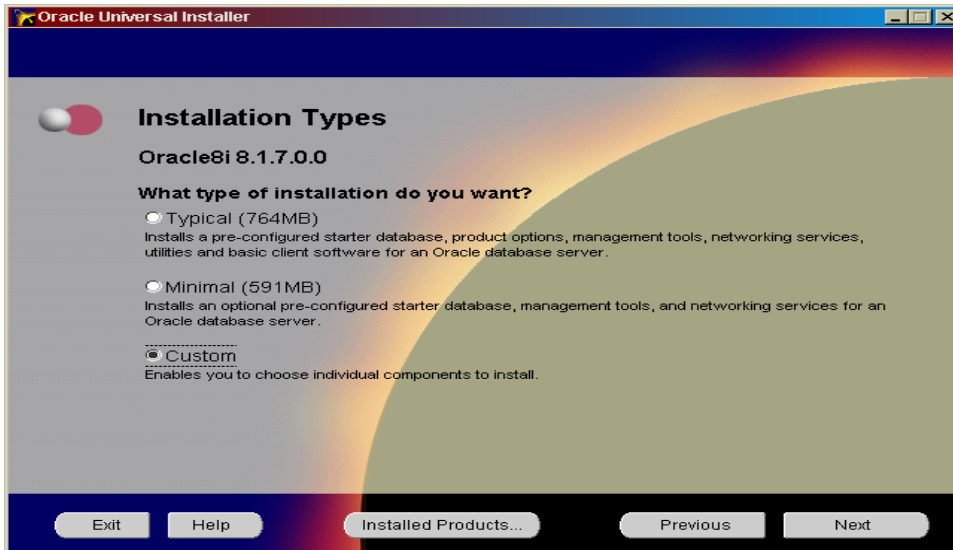
Proprietary Information

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1.6.1.5 Installation Types

In the **Installation Types** window below, select the **Custom** option and Click on the “**Next**” button.

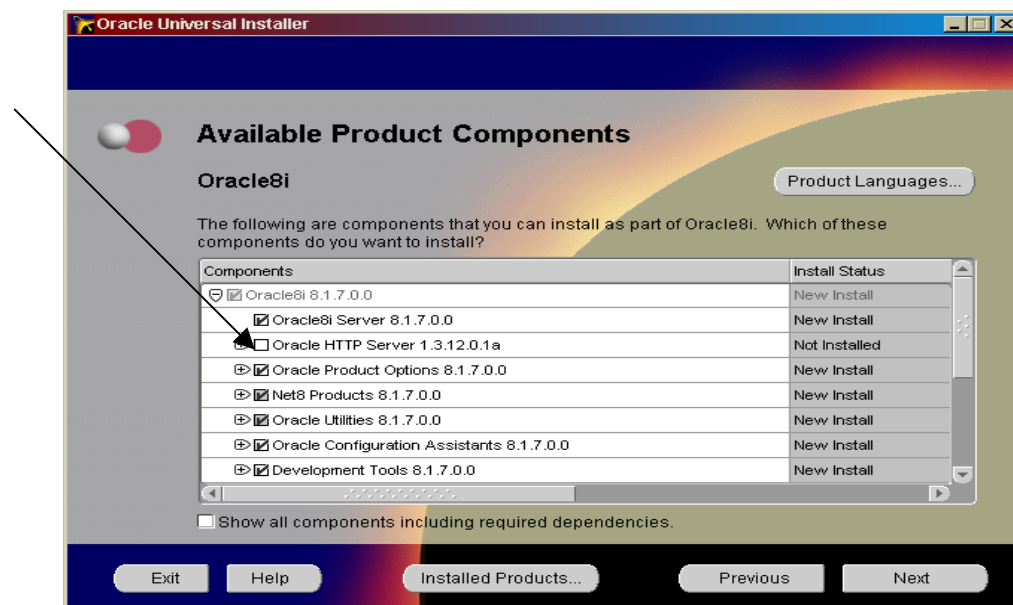


In the **Available Product Components** window, choose the **Oracle Universal Installer** option and click on “**Next**” button. This option can be found near the end of the components list.

1.6.1.6 Available Product Components

In the following **Available Product Components** windows, do the following:

- ☐ Deselect the **Oracle HTTP Server** component
- ☐ Expand **Oracle Installation Products** (following page) options and **Select Oracle Universal Installer** at the end of the list and click on “**Next**” button

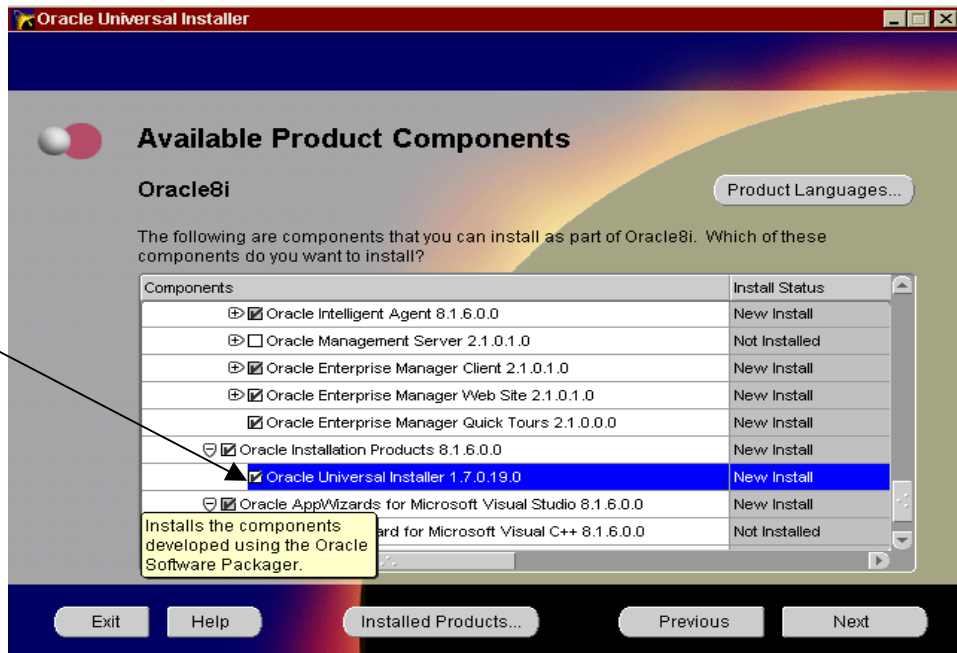


Proprietary Information

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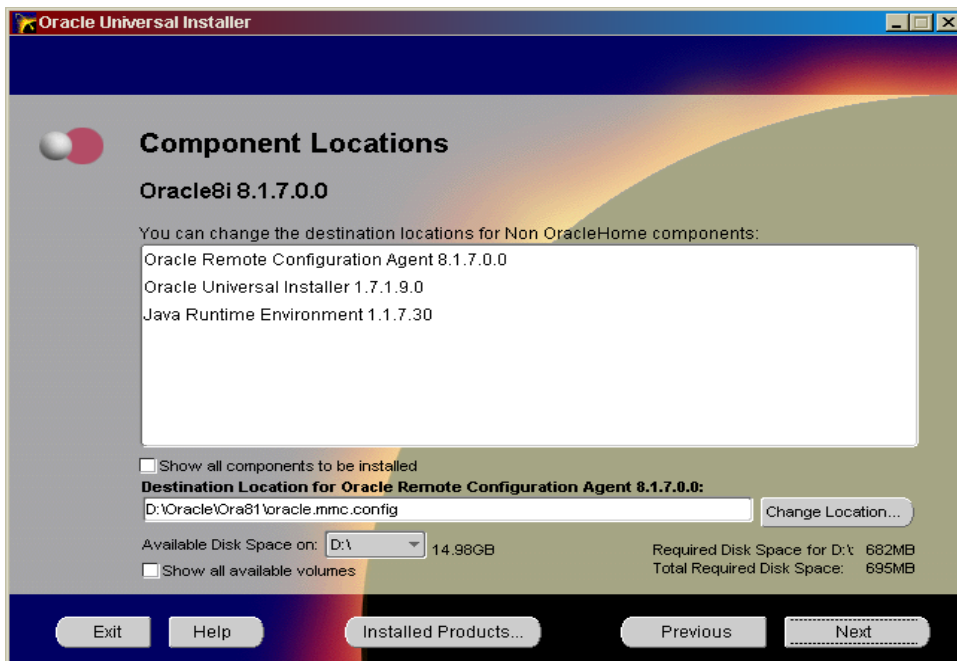
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1.6.1.7 Component Locations

In the **Component Locations** window below, make sure that there is enough space on the hard drive for the install then click on “Next.”



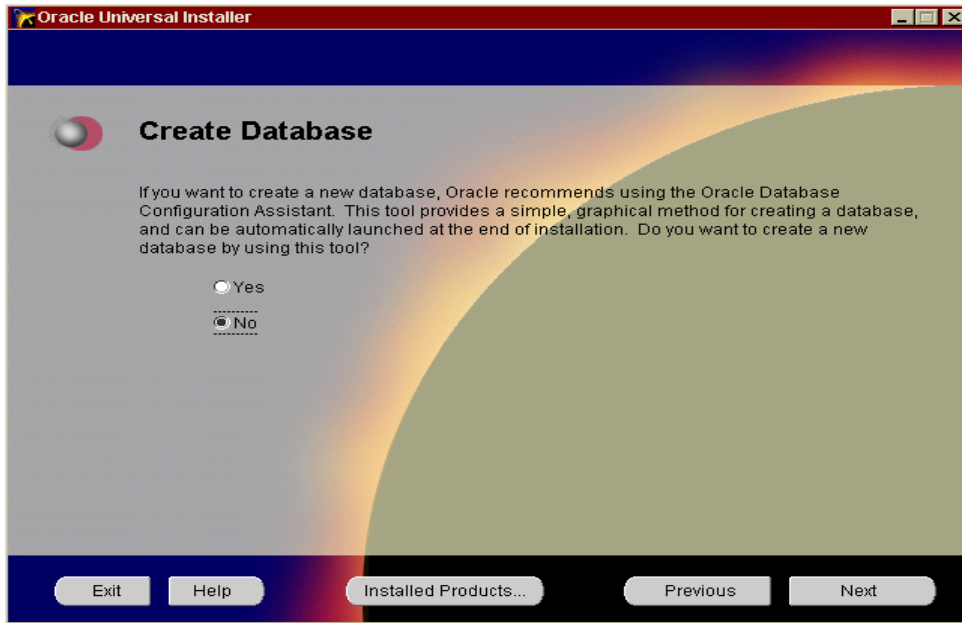
Proprietary Information

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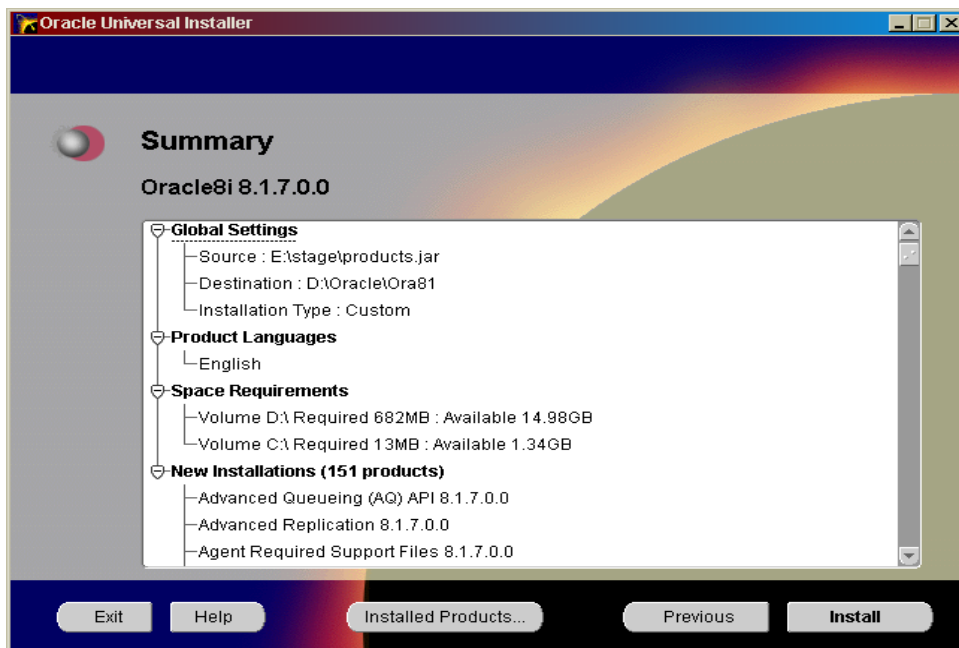
1.6.1.8 Create Database

In the **Create Database** window below, select **No** and click on the “**Next**” button.



1.6.1.9 Summary Window

The **Summary** window below shows all the products that will be installed. In the **Summary** window below, click on the “**Install**” button.



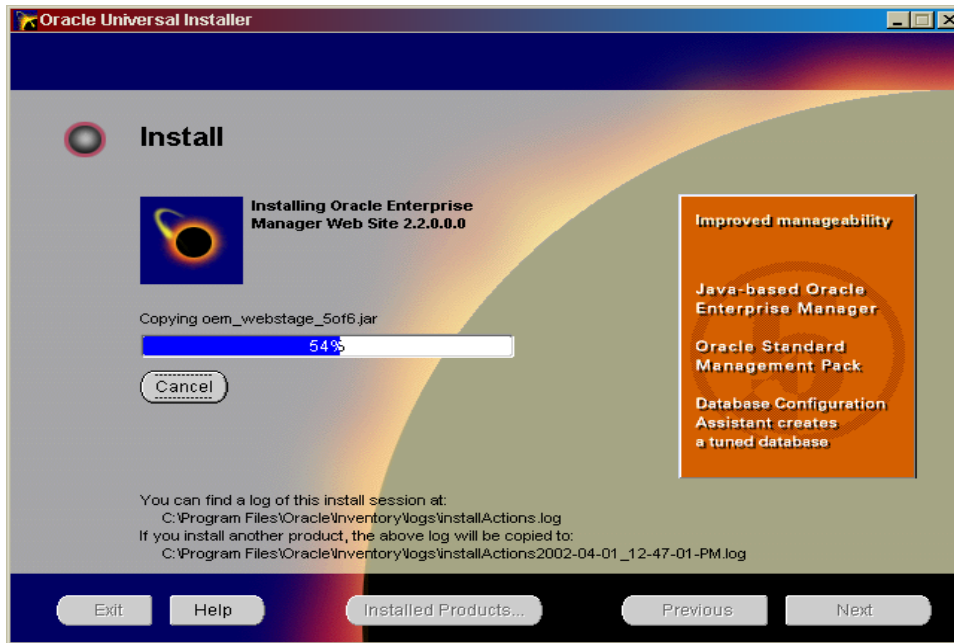
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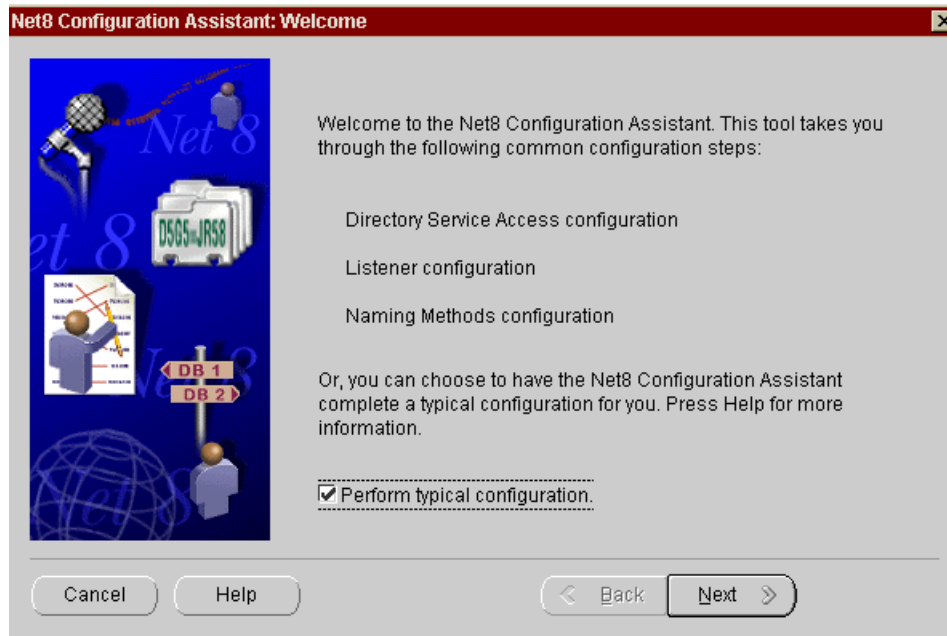
1.6.1.10 Install

The **Install** window below shows the progress of the installation. This window will automatically invoke the **Net8 Configuration Assistant** window.



1.6.1.11 Net8 Configuration Assistant

On the **Net8 Configuration Assistant: Welcome** window, check the box next to the **Perform typical configuration** and click on "Next."



Proprietary Information

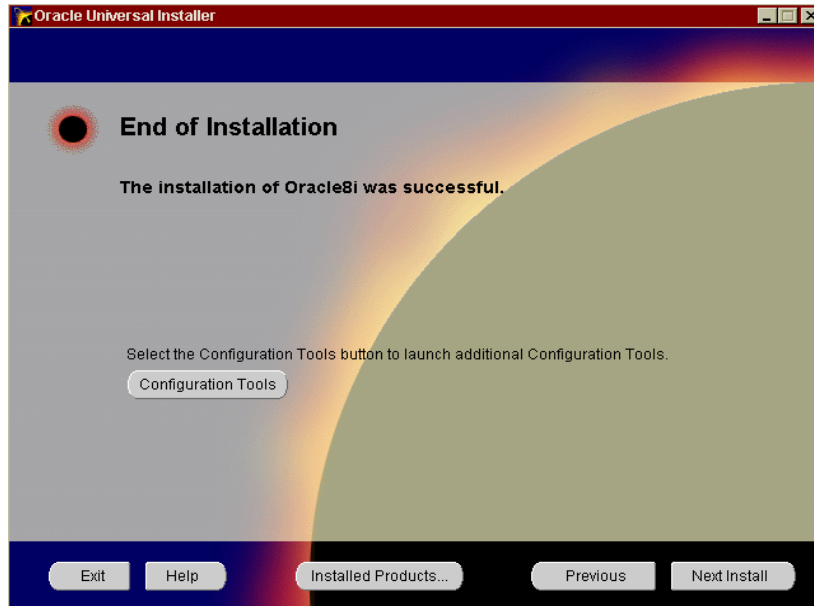
FUJII Medical Systems USA

SYNAPSE Service Guide Synapse Oracle 8i (v8.1.7) Installation & Configuration.doc

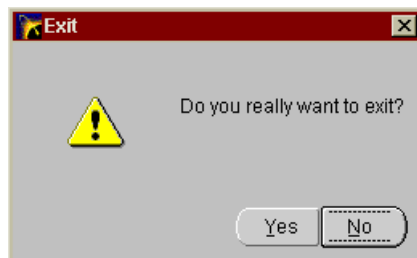
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1.6.1.12 End of Installation

In the **End of Installation** window, click on “**Exit**.”



In the **Exit** window below, click on “**Yes**” to answer the question “**Do you want to exit?**”



This is the end of the Oracle 8i (v8.1.7) installation. Please reboot your machine before working with Oracle 8i (v8.1.7).

1.7 Installation Oracle 8.1.7.4 and 8.1.7.4.4 “Patches” (Database Server & Client)

After the installation of Oracle 8i (8.1.7), the Oracle 8i Release 4 Patch (v8.1.7.4.4) should be installed. Following are the steps for installing.

Note: There are no issues with installing the Oracle 8.1.7.4 and 8.1.7.4.4 “Patches” over Oracle 8.1.7.3 “Patch.

1.7.1 Copy Orapatch8174 Folder

Copy the Orapatch8174 folder from Synapse Oracle 8.1.7.4 Patch CD (FUJIFILM’s part number NMFS-CD-OR817-P4) onto the ROOT of the D drive (**if copied from a CD change the Read-only attribute for all files and subdirectories by running: attrib /s -r *.* from the command prompt at the root of the temporary Orapatch817 directory**). Do not execute Oracle patch directly from the Synapse Oracle 8.1.7.4 Patch CD FUJIFILM Part Number NMFS-CD-OR817-P4.

1.7.2 Stopping of Services, Tools and the Programs

1. Stop the following services and place them in manual mode:

Note: Take care in keeping good notes regarding what services are being set to manual mode. At the end of the upgrade they will need to be set back to Automatic.

1. OracleOraHome81TNSListener
2. OracleServiceFOOD (For existing database only)
3. Other Oracle Services (if started)
4. All Synapse Service (normally these service should have **not** been installed before the database was created)

Note: Not all services may be installed or running on the system being upgraded, the list provided bellow is a complete list of FUJIFILM service for the installer's reference.

- a. BrokerServer
 - b. DicomServer
 - c. FujiDBUtility
 - d. HIISRouter
 - e. SynapseHIIS
 - f. SynapsePreCacheServer
 - g. etc...
5. FTP Publishing Service
 6. IIS Admin Service (The following services will be stop as a result of stopping the IIS Admin Service. This should be confirmed.)
 - a. Simple Mail Transport Protocol (SMTP) Service
 - b. World Wide Web Publishing Service
 7. Distributed Transaction Coordinator
 8. Stop Oracle Backup tool (if running, after the restart of the computer)
 9. Stop any third party tools accessing Oracle Database (if running)
 10. Stop Anti-Virus software
 11. Stop IPSentry
 12. Stop pcAnywhere Host Service

2. Once the above is completed restart the server

1.7.3 Installation of Oracle 8.1.7.4 “Patch” (Database Server & Client)

- Navigate to D:\Orapatch8174\Patch_1\Disk1 folder
- Run the **Setup.exe**
- Select the **Next** button on the Welcome Screen
- The Oracle Universal Installer automatically will identify Source... And Destination... File Locations, Select the **Next** button on this screen
- Select the **Install** button on the Summary Screen
- Select the **Exit** button the End of Installation Screen.

1.7.4 Installing Oracle 8.1.7.4 (Database)

This section must be complete **only** if the database was already created using Oracle 8.1.7 only.

Complete section 1.7- 1.7.2 then follow along bellow.

- Navigate to ORAPATCH8174\Patch_1\Disk1 folder.
- **Execute** setup.exe.
- Click Next on Welcome Screen
- The Oracle Universal Installer automatically will identify Source... And Destination... File Locations, Select the **Next** button on this screen
- Select the Install button on the Summary Screen
- Select the Exit on End of Installation Screen.
- Start the following services:
 - o OracleOraHome81TNSListener
 - o OracleServiceFOOD
- Navigate to D:\Orapatch8174\PATCH_1\Database folder in local hard disk
- Execute Load_catalog_catproc.bat
- Complete section 1.7.5 – 1.7.6 from the chapter.

1.7.5 Installation of Oracle 8.1.7.4.4 “Patch” (Database Server & Client)

1.8 ORACLE 8i (v8.1.7) Client Installation

Note: To keep this segment compact, these instructions will reference screen shots that were in Section 1.6: Oracle 8i for Database Server (Synapse).

1.8.1 Autorun

Insert the Oracle 8i Installation CD and allow the Autorun to start. **If the Autorun does not execute** navigate to the CD drive and run the **autorun.exe** from the Autorun directory or run **setup.exe** from the root of the CD. **Autorun.exe** brings up the Oracle 8i window and **setup.exe** brings up the **Welcome** window. In the Oracle 8i window, click on the “**Install/Deinstall Products**” button. Please refer to figure in Section 1.6.1.1.

1.8.2 Welcome Window

In the **Welcome** window, click on the “**Next**” button. Please refer to the figure in Section 1.6.1.2.

1.8.3 File Locations

In the **File Locations** window, there are two headers, namely “**Source...**” and “**Destination...**” **Do not** change the “**Source...**” information; however **do** change the “**Destination...**” section with the following. Under the **Destination** header enter/select:

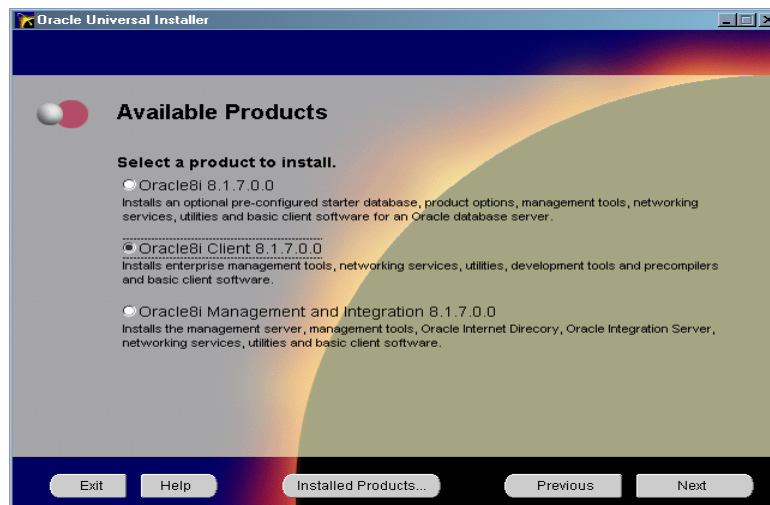
Name: OraHome81

Path : D:\Oracle\Ora81

Then click on “**Next**” button. Please refer to the figure in Section 1.6.1.3.

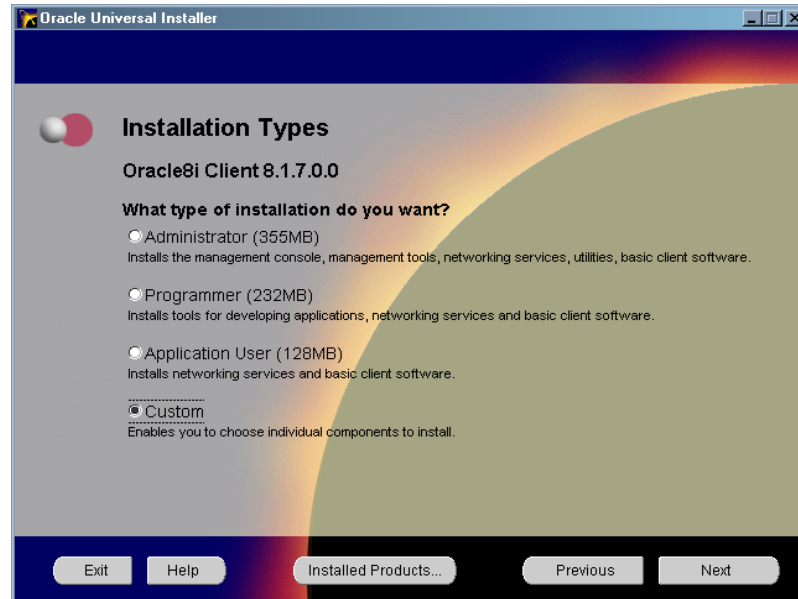
1.8.4 Available Products

In the **Available Products** window, select the **Oracle 8i Client 8.1.7.0.0** option and click on the “**Next**” button.



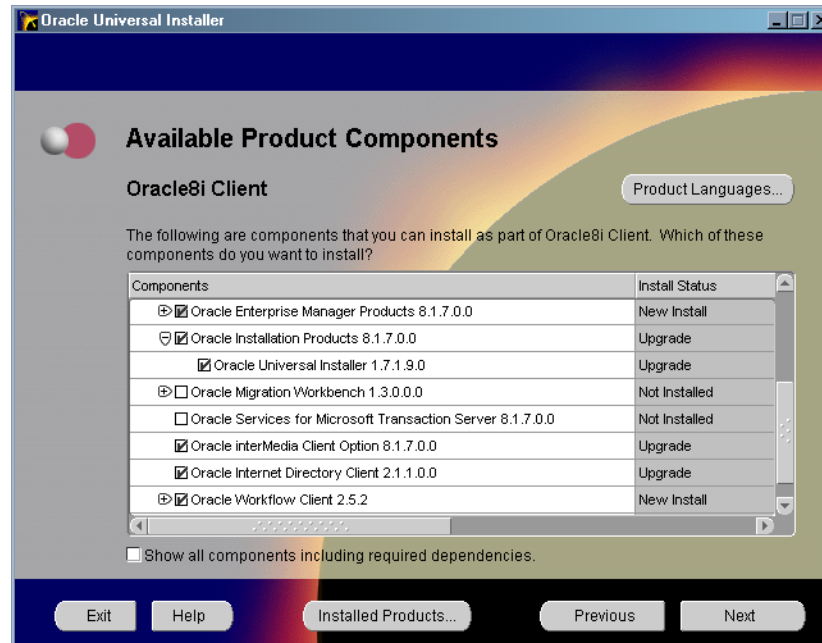
1.8.5 Installation Types

In the **Installation Types** window below, select the **Custom** option and click on “**Next**”.



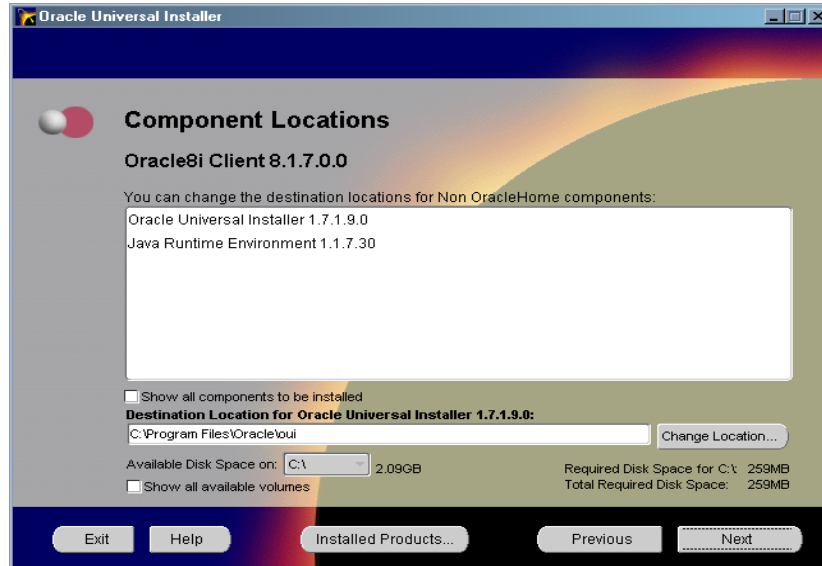
1.8.6 Available Product Components

In the **Available Product Components** window below, scroll down to and expand the **Oracle Installation Products** component, choose the **Oracle Universal Installer**, and click on “**Next**” button. This option can be found near the bottom of the components list.



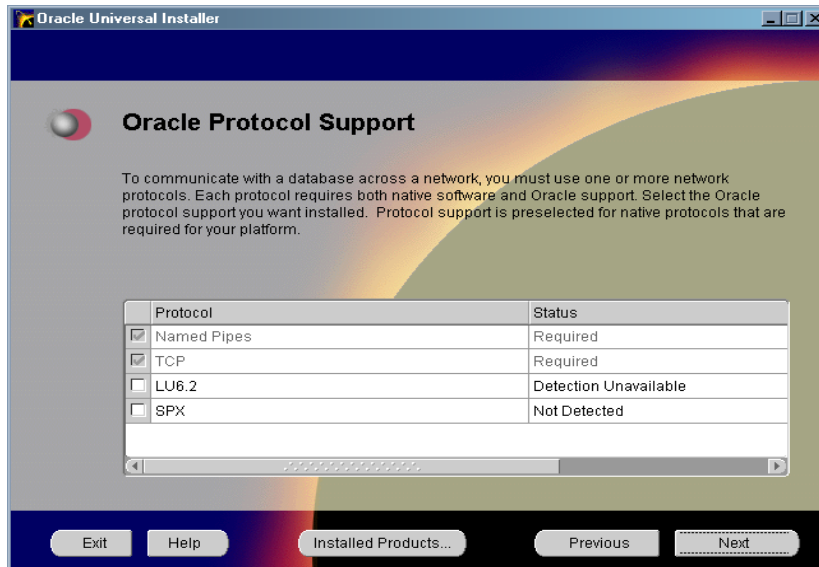
1.8.7 Component Locations

The next **Component Locations** window will show available disk space and the required disk space. Make sure that there is enough disk space and click on “**Next**” button.



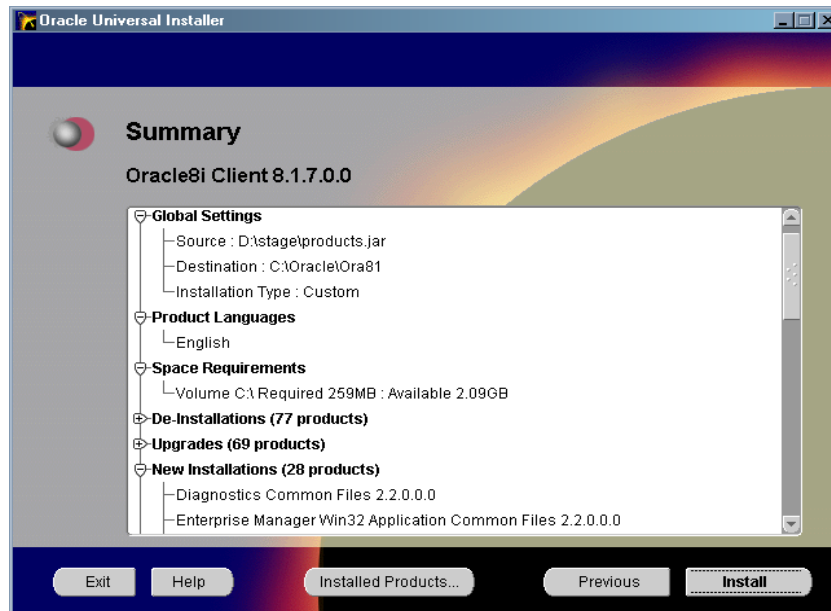
1.8.8 Oracle Product Support

In the next **Oracle Protocol Support** window, don't select anything. Click on “**Next**”.



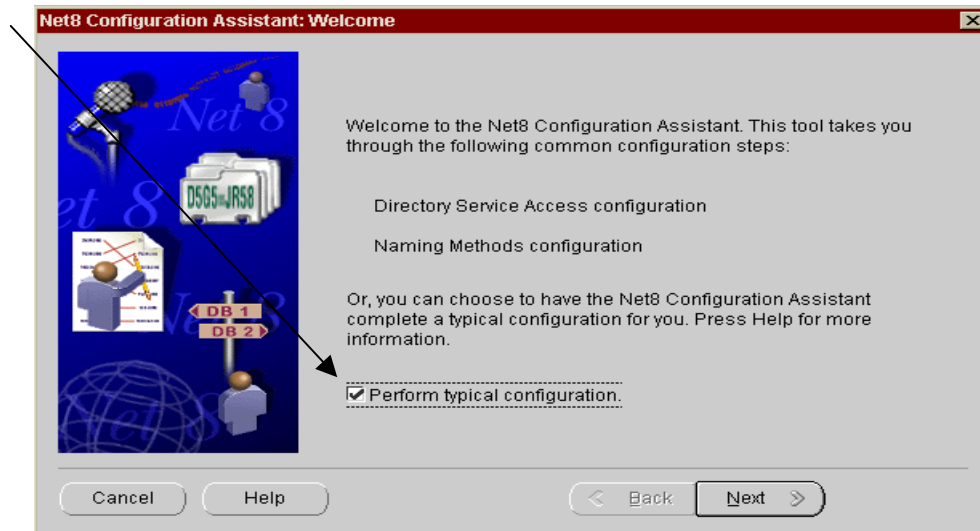
1.8.9 Summary Window

In the **Summary** window below, click on “**Install.**”



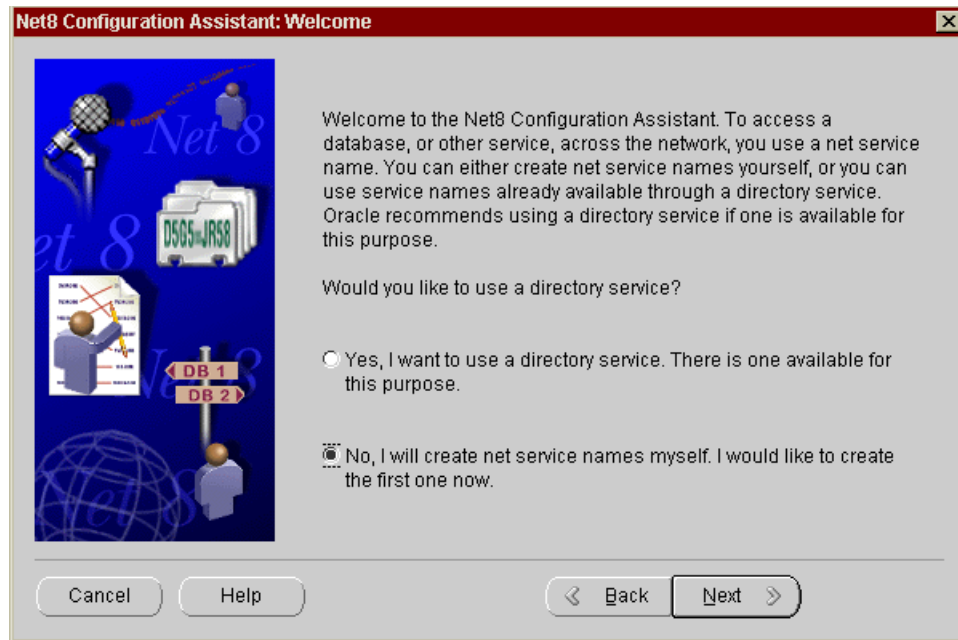
1.8.10 Configuration Assistant

In the **Net8 Configuration Assistant** window below, please check the Perform typical configuration option and click on the “**Next**” button.



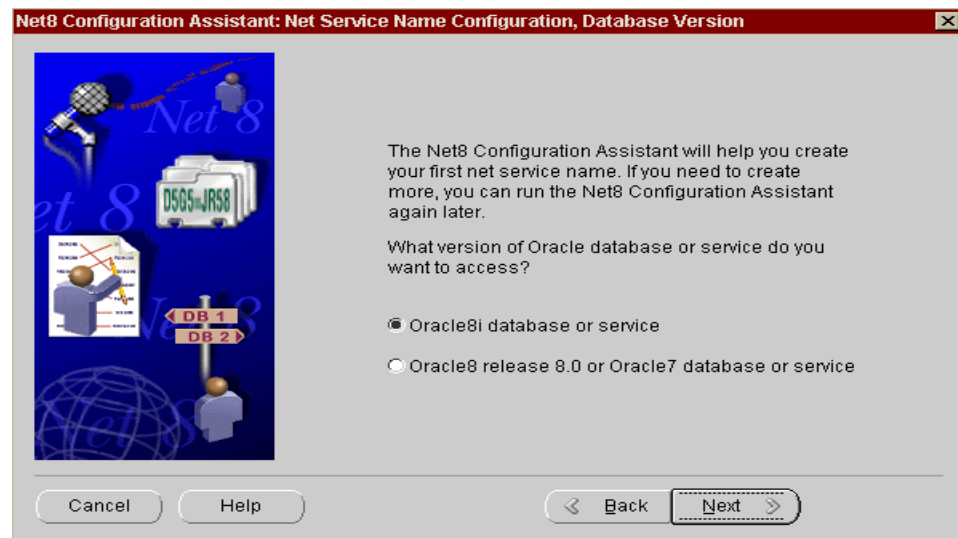
1.8.11 Create Service Name

In the Net8 Configuration Assistant window below, choose No and click on the “Next” button.



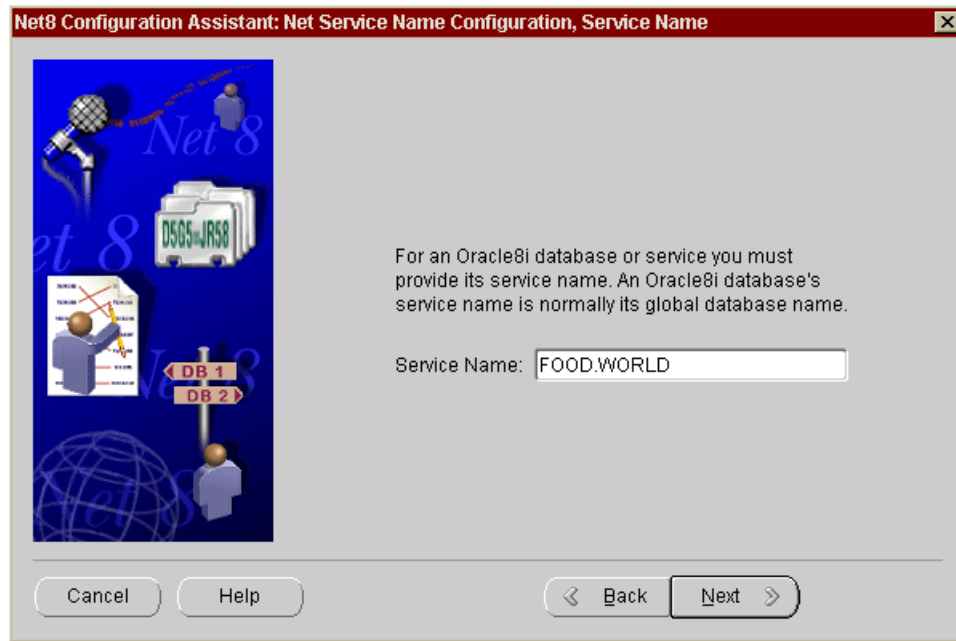
1.8.12 Oracle Database or Service

In the Net8 Configuration Assistant window below, please select Oracle 8i database or service and click on the “Next” button.



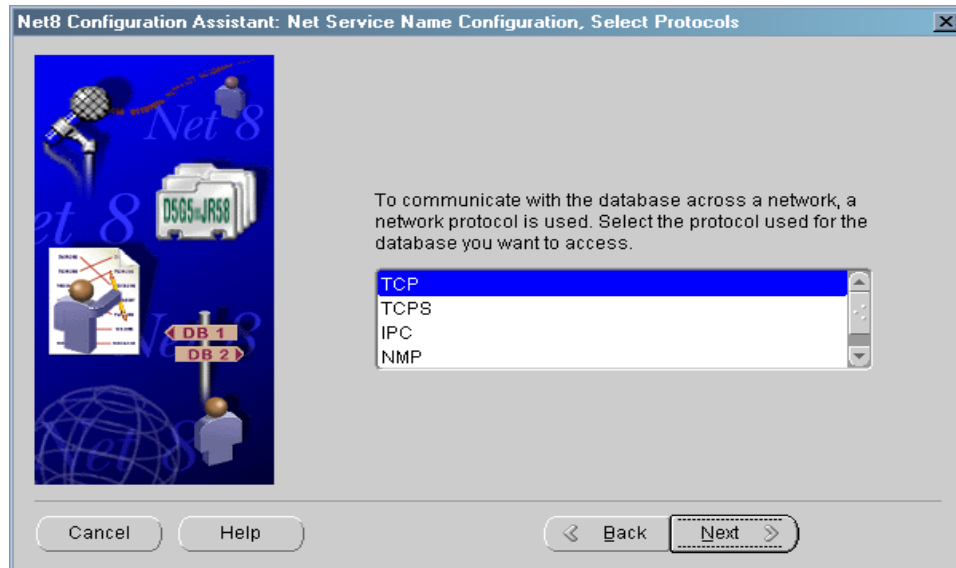
1.8.13 Service Name

Enter FOOD.WORLD as the Service Name and click on the “Next” button.



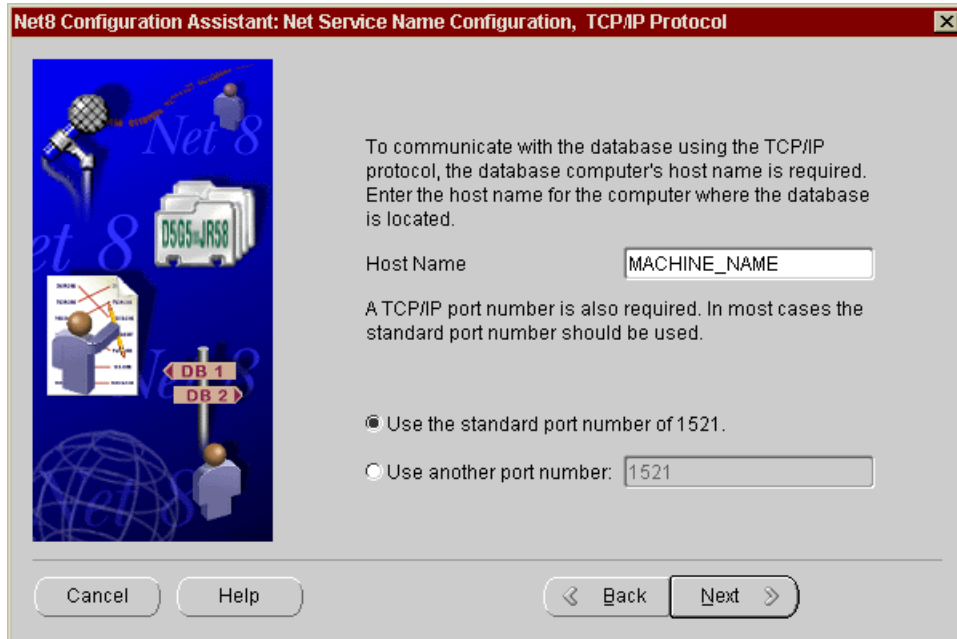
1.8.14 Network Protocol

In the following Net8 Configuration Assistant window, select TCP as the network protocol to connect to the database with. Click on “Next” button.



1.8.15 Host Name

Enter the Host Name of the database server and leave the default “Use the standard port number of 1521.” Then click on the “Next” button.



Net8 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.

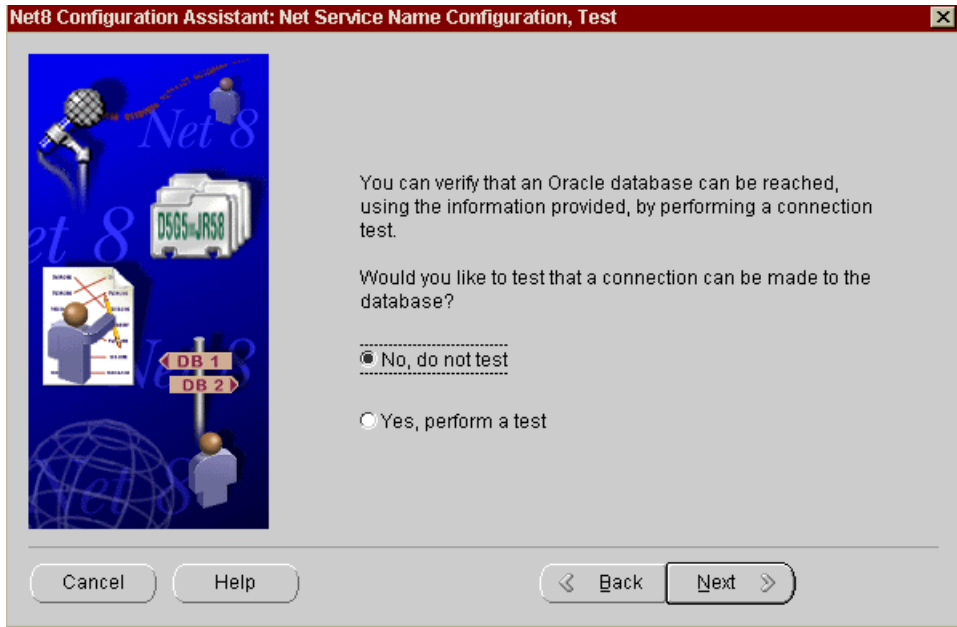
☒ Use the standard port number of 1521.

☐ Use another port number:

Cancel Help < Back Next >

1.8.16 Net8 Test

Choose **No, do not test** option and click on the “Next” button.



Net8 Configuration Assistant: Net Service Name Configuration, Test

You can verify that an Oracle database can be reached, using the information provided, by performing a connection test.

Would you like to test that a connection can be made to the database?

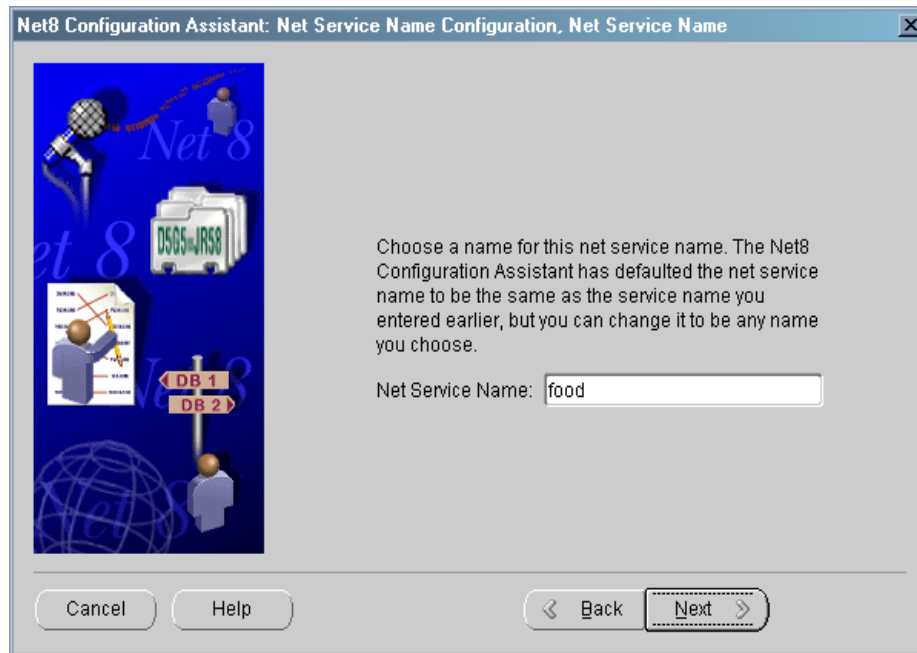
☒ No, do not test

☐ Yes, perform a test

Cancel Help < Back Next >

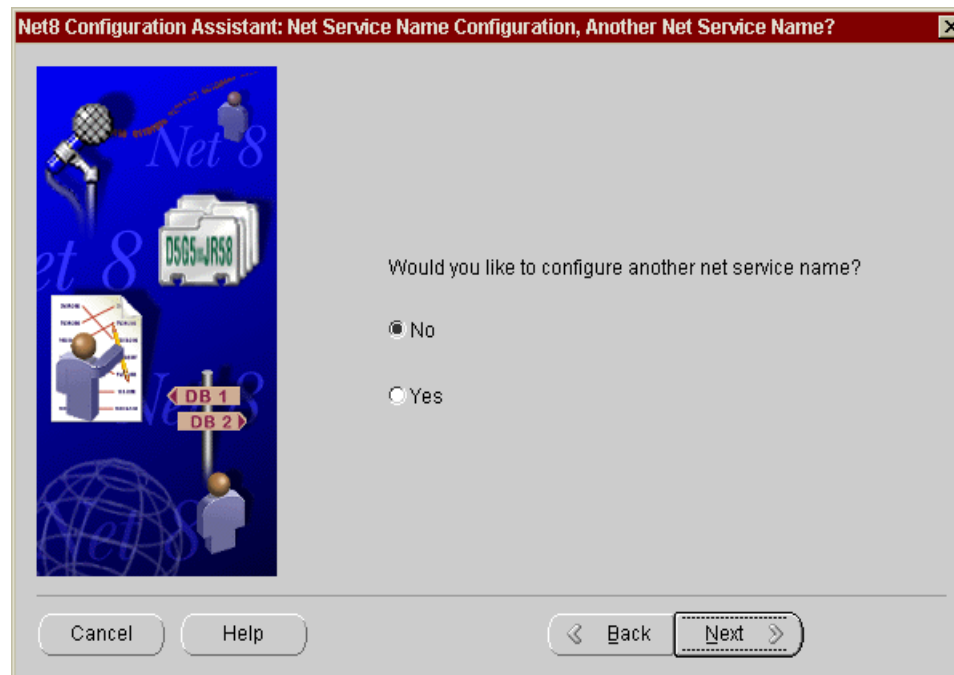
1.8.17 Net Service Name

In the following window, ensure the Net Service Name is “**food**” and click “**Next.**”



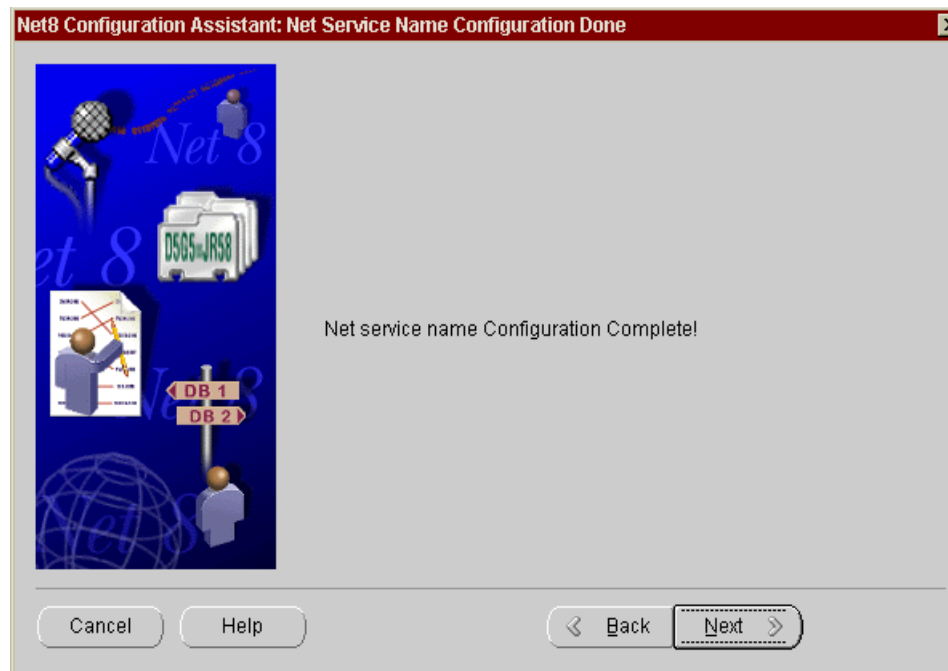
1.8.18 Another Service Name

In the following window, select **No** and click on “**Next.**”



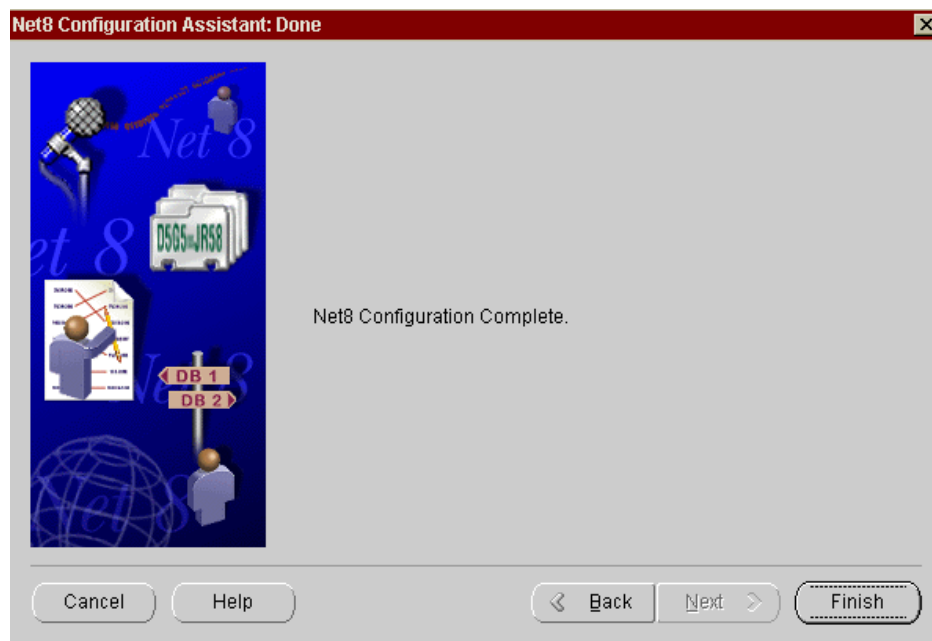
1.8.19 Net Service Name

In this window click on “**Next**” to finish.



1.8.20 Net8 Configuration

In the following window, click on “**Finish**.”

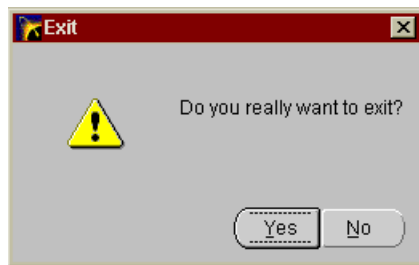


1.8.21 End of Client Installation

This is the end of the Oracle8i Client installation. In the following window, click on “Exit.”



Finally, click on “Yes” to exit from the installation program.



Once the Oracle 8i client is installed, navigate to the D:\ORACLE\ORA81\NETWORK\ADMIN folder, and edit SQLNET.ORA and TNSNAMES.ORA in Notepad for the files given below:

1. In the SQLNET.ORA file, make sure that the domain entry looks like the following:

NAMES.DEFAULT_DOMAIN = WORLD

2. In the TNSNAMES.ORA, the FOOD connection string is created by default as:

FOOD.<machine name>

This must be edited to show as the following:

FOOD.WORLD

Note: This means that you can access your database as the service = Food instead of service = FOOD.WORLD.

This is the end of the Oracle8i (v8.1.7) Client installation. Please restart the system.

1.8.22 Install Oracle 8.1.7.4 & 8.1.7.4.4 Patch

Note: This upgrade is mandatory for all Oracle installations Client and Database Server. Follow the instructions given in section 1.7 throw 1.7.5 found within this chapter for completing the Installation of Oracle 8.1.7.4 and 8.17.4.4 Patches.

(End of section)