Oracle® Database

Client Installation Guide

10*g* Release 2 (10.2) for Microsoft Windows (64-Bit)
on Intel Itanium

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ORACLE®

Oracle Database Client Installation Guide 10*g* Release 2 (10.2) for Microsoft Windows (64-Bit) on Intel Itanium

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Preface

This guide provides instructions on installing and configuring Oracle Database Client for Microsoft Windows (64-Bit) on Intel Itanium. The supported Windows operating system for this product is Windows Server 2003.

This preface contains these topics:

- Audience
- Documentation Accessibility
- Related Documentation
- Conventions

Audience

Oracle Database Client Installation Guide for Microsoft Windows (64-Bit) on Intel Itanium is intended for anyone installing an Oracle Database Client.

To use this document, you need the following:

- A supported Microsoft Windows operating system installed and tested on your computer system
- Administrative privileges on the computer where you are installing Oracle Database Client
- Familiarity with object-relational database management concepts

> **See Also:** *Oracle Database Client Quick Installation Guide for Microsoft Windows (64-Bit) on Intel Itanium* if you want to perform a quick installation using the default settings

Documentation Accessibility

Our goal is to make Oracle products, services, and supporting documentation accessible, with good usability, to the disabled community. To that end, our documentation includes features that make information available to users of assistive technology. This documentation is available in HTML format, and contains markup to facilitate access by the disabled community. Accessibility standards will continue to evolve over time, and Oracle is actively engaged with other market-leading technology vendors to address technical obstacles so that our documentation can be accessible to all of our customers. For more information, visit the Oracle Accessibility Program Web site at

http://www.oracle.com/accessibility/

Accessibility of Code Examples in Documentation

Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

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This documentation may contain links to Web sites of other companies or organizations that Oracle does not own or control. Oracle neither evaluates nor makes any representations regarding the accessibility of these Web sites.

TTY Access to Oracle Support Services

Oracle provides dedicated Text Telephone (TTY) access to Oracle Support Services within the United States of America 24 hours a day, seven days a week. For TTY support, call 800.446.2398.

Related Documentation

For more information, see these Oracle resources:

- *Oracle Database Release Notes for Microsoft Windows (64-Bit) on Intel Itanium*

- Oracle Database Installation Guide for Microsoft Windows (64-Bit) on Intel Itanium

- *Oracle Database Platform Guide for Microsoft Windows (64-Bit) on Intel Itanium*

- *Oracle Database 2 Day DBA*

Many of the examples in this book use the sample schemas, which are installed by default when you select the Basic Installation option with an Oracle Database installation. Refer to *Oracle Database Sample Schemas* for information on how these schemas were created and how you can use them yourself.

Printed documentation is available for sale in the Oracle Store at

http://oraclestore.oracle.com/

To download free release notes, installation documentation, white papers, or other collateral, please visit the Oracle Technology Network (OTN). You must register online before using OTN; registration is free and can be done at

http://www.oracle.com/technology/membership/

If you already have a username and password for OTN, then you can go directly to the documentation section of the OTN Web site at

http://www.oracle.com/technology/documentation/

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.

Convention	Meaning
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

x

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Oracle Database Client Installation Overview

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-

Installation Overview

1. **Read the release notes** g

   http://www.oracle.com/technology/documentation

2. **Plan your installation:**

   You may also want to refer to Appendix A, "Frequently Asked Questions about Installation," in *Oracle Database Installation Guide*. This appendix advises on the best way to install Oracle products depending on your site's requirements.

3. **Complete preinstallation tasks:** Chapter 2 describes preinstallation tasks that you must complete before installing Oracle Database Client.

4. **Install the software:** Use the following sections to install Oracle Database Client:

   - Chapter 3 describes how to use the Oracle Universal Installer (OUI) GUI to install Oracle Database Client.

   - Appendix A describes how to perform a silent or noninteractive installation using response files.

   - "Installing and Using Oracle Components in Different Languages" on page B-1 describes how to install and use Oracle components in different languages.

   - Appendix C provides troubleshooting advice in case you encounter problems with the installation.

   - Chapter 5 describes how to remove Oracle Database Client.

5. **Complete postinstallation tasks:** Use the following sections to complete the postinstallation tasks:

- [Chapter 4](#) describes recommended and required postinstallation tasks.

- [Appendix B](#) provides information on globalization support.

Oracle Database Client Installation Types

You can choose one of the following installation types when installing Oracle Database Client:

- Installs only the shared libraries required by Oracle Call Interface applications that use the Instant Client feature. This installation type requires much less disk space than the other Oracle Database Client installation types.

  Included in the Instant Client installation is Instant Client Light. You may want to use this version of Instant Client if your applications will generate error messages in American English only. The advantage of using Instant Client Light is that it has a much smaller footprint than regular Instant Client. Hence, your applications use less memory.

- Enables applications to connect to an Oracle database on the local system or on a remote system. It provides tools that let you administer an Oracle database.

- Enables applications to connect to an Oracle database on the local system or on a remote system.

- Enables you to select individual components from the list of Administrator and Runtime components.

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Oracle Database Client Preinstallation Requirements

Oracle Database Client Hardware Requirements

Table 2–1 lists the required hardware components for Oracle Database Client.

Table 2–1   Hardware Requirements

Requirement	Minimum Value
Physical memory (RAM)	1 GB mininum
Virtual memory	512 MB
Hard disk space	Total ranges from 280–855 MB. See Table 2–2 for details.
Video adapter	256 colors
Processor	Intel Itanium 2 or later

Hard Disk Space Requirements

required to install Java Runtime Environment (JRE) and Oracle Universal Installer on the partition where the operating system is installed. If sufficient space is not detected, then installation fails and an error message appears.

Table 2–2 lists the space requirements for NTFS.

Table 2–2   Disk Space Requirements for NTFS

Installation Type	TEMP Space	*SYSTEM_DRIVE*:\Program Files\Oracle\Inventory	Oracle Home	Total
Instant Client	100 MB	5 MB	175 MB	280 MB
Administrator	100 MB	5 MB	750 MB	855 MB
Runtime	100 MB	5 MB	350 MB	455 MB
Custom (all components installed)	100 MB	5 MB *	650 MB *	755 MB *

* This size varies, depending on the on the installation components selected.

See Also: "NTFS File System and Windows Registry Permissions" in

To ensure that the system meets these requirements, follow these steps:

1. Determine the physical RAM size. For a computer using Windows 2003, for example, open   in the Windows Control Panel and select the   tab. If the size of the physical RAM installed in the system is less than the required size, then you must install more memory before continuing.

2. Determine the size of the configured virtual memory (also known as paging file size). For a computer using Windows 2003, for example, open   in the Control Panel, select the   tab, and click   in the   section. Then select the   tab. The virtual memory is listed in the   section.

    If necessary, see your operating system documentation for information about how to configure additional virtual memory.

3. Determine the amount of free disk space on the system. For a computer using Windows 2003, for example, open   , right-click the drive where the Oracle software is to be installed, and choose   .

4. Determine the amount of disk space available in the   directory. This is equivalent to the total amount of free disk space, minus what will be needed for the Oracle software to be installed.

    If there is less than 100 MB of disk space available in the   directory, then first delete all unnecessary files. If the temp disk space is still less than 100 MB, then set the `TEMP`   `TMP`

Oracle Database Client Software Requirements

This section covers the following topics:

- General Oracle Database Client Software Requirements
- Instant Client Light Language and Character Set Requirements

General Oracle Database Client Software Requirements

Table 2–3 lists the software requirements for Oracle Database Client.

Table 2–3   Software Requirements

Requirement	Value
System Architecture	Processor: Intel Itanium 2 or later
	Note: Oracle provides 32-bit (x86), 64-bit (Itanium), and 64-bit (x64) versions of Oracle Database for Windows. The 64-bit (Itanium) database version, which this installation guide describes, runs on the 64-bit version of Windows on Itanium hardware. For additional information, visit Oracle *MetaLink* at:
	http://metalink.oracle.com
Operating System	Oracle Database for 64-bit Windows is supported on the following operating systems:
	■ Windows Server 2003 Datacenter Edition for 64-bit Itanium 2 Systems
	■ Windows Server 2003 Enterprise Edition for 64-bit Itanium 2 Systems
	Windows Multilingual User Interface Pack is supported on Windows Server 2003.
	Windows XP is not supported.
Compiler	The following components are supported with the Windows 2003 Microsoft Platform SDK or later compiler and Intel compiler versions 7.1 and 8.1
	■ Oracle C++ Call Interface
	■ Oracle Call Interface
	■ External callouts
	■ PL/SQL native compilation
	■ Pro*C
	■ XDK
	GNU Compiler Collection (GCC), Object Oriented COBOL (OOCOBOL) specifications, and Pro*COBOL are not supported.
Network Protocol	The Oracle Net foundation layer uses Oracle protocol support to communicate with the following industry-standard network protocols:
	■ TCP/IP
	■ TCP/IP with SSL
	■ Named Pipes

Instant Client Light Language and Character Set Requirements

In addition to the requirements described in the previous section, if you plan to use Instant Client Light, your applications must use the following languages and character sets:

- US English

- Any territory that is supported by Oracle

-
    Single byte

    * US7ASCII

    * WE8DEC

    – Unicode

    * UTF8

    * AL16UTF16

    * AL32UTF8

The language, territory, and character sets are determined by the `NLS_LANG` parameter, which is stored in the registry under the `HKEY_LOCAL_MACHINE\SOFTWARE\ORACLE\HOME`*ID* subkey, where *ID* is the unique number identifying the Oracle home.

> **Caution:** AL32UTF8 is the Oracle Database character set that is appropriate for XMLType data. It is equivalent to the IANA registered standard UTF-8 encoding, which supports all valid XML characters.
>
> Do not confuse Oracle Database database character set UTF8 (no hyphen) with database character set AL32UTF8 or with character encoding UTF-8. Database character set UTF8 has been superseded by AL32UTF8. Do not use UTF8 for XML data. UTF8 supports only Unicode version 3.1 and earlier; it does not support all valid XML characters. AL32UTF8 has no such limitation.
>
> Using database character set UTF8 for XML data could potentially cause a fatal error or affect security negatively. If a character that is not supported by the database character set appears in an input-document element name, a replacement character (usually "?") is substituted for it. This will terminate parsing and raise an exception.

> **See Also:** Appendix B, "Configuring Oracle Database Client Globalization Support" for more information on

The platform-specific hardware and software requirements included in this installation guide were current at the time this guide was published. However, because new platforms and operating system software versions might be certified after this guide is published, review the certification matrix on the Oracle*MetaLink* Web site for the most up-to-date list of certified hardware platforms and operating system versions. This Web site also provides compatible client an database versions, patches, and workaround information for bugs. The Oracle*MetaLink* Web site is available at the following URL:

http://metalink.oracle.com/

You must register online before using Oracle*MetaLink*. After logging in, select **Certify & Availability** from the left-hand column. From the Product Lifecycle page, select the **Certifications** button. Other Product Lifecycle options include **Product Availability**, **Desupport Notices**, and **Alerts**.

The following sections list the following certification information:

- Windows Telnet Services Support
- Windows Terminal Services and Remote Desktop Support
- Windows Support

Windows Telnet Services Support

Windows 2003 includes a Telnet Service that allows remote users to log on to the operating system and run console programs using the command line, in the same way that they do on UNIX. Oracle supports the use of command line utilities, such as SQL*Plus, Export, Import, and SQL*Loader, using this feature, but does not support their GUI tools.

> **Note:** Make sure that the Telnet service is started on the Windows **Services** utility.

Windows Terminal Services and Remote Desktop Support

Oracle supports Terminal Services on Windows 2003. However, installation of Oracle components from a remote Terminal Services Client on to a 64-bit Windows server that is running a Terminal Server service is not supported. Start all configuration tools from the Terminal Server console and not from the Terminal Services Client.

Oracle Connection Manager is not supported with Windows Terminal Services.

You can configure Windows 2003 to use Terminal Services in Remote Desktop for Administration Mode or Terminal Server Mode.

> **See Also:**
>
> - The Microsoft Web site for more information about terminal servers
>
>   http://www.microsoft.com/
> - The Oracle*MetaLink* Web site for the latest Terminal Server certification information
>
>   http://metalink.oracle.com/

Windows Support

The following components are not supported:

- GNU Compiler Collection (GCC)

- Oracle Database Extensions for .NET

- Oracle Procedural Gateway

- Oracle Transparent Gateway

- Business Components for Java (BC4J)

- DCE and CyberSafe Adapter Support

- Entrust PKI Support

- Generic Connectivity

- Java Server Pages

- nCipher Accelerator Support

- Oracle Data Provider for .NET

- Oracle Enterprise Manager Grid Control CD

  A 64-bit Windows version of Oracle Enterprise Manager Grid Control is not available in this release.

- Oracle Enterprise Manager Java Console

- Oracle Messaging Gateway

- Oracle Migration Workbench

  You can execute Oracle Migration Workbench from a 32-bit Windows environment to migrate third-party databases, as supported by release 9.2.0.2.1 or later, to an Oracle Database 10*g* Release 2 (10.2) database installed on a 64-bit Windows computer.

- Oracle Objects for OLE

- Oracle Workflow Builder

- Pro*COBOL

- Oracle Database Extensions for .NET

- Oracle Enterprise Integration Gateways, which include the following:

  Oracle Procedural Gateway for APPC

  Oracle Transparent Gateway for IBM DRDA

- Oracle Open Gateways, which include the following:

  Oracle Transparent Gateway for Sybase

  Oracle Transparent Gateway for Teradata

  Oracle Transparent Gateway for Microsoft SQL Server

3

Installing Oracle Database Client

Preinstallation Considerations Before Installing Oracle Database Client

Installing Oracle Database Client Installations in Silent or Nonteractive Mode

Creating the Oracle Base Directory
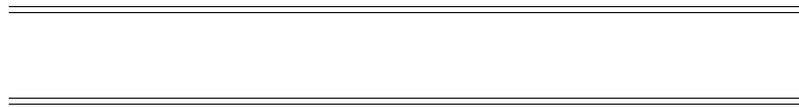
Installing Oracle Database Client into Multiple Oracle Homes

Installing on a System with an Existing Oracle Installation

Accessing the Installation Software

Installing from a Remote DVD Drive

Step 1: On the Remote Computer, Share the DVD Drive

b. `dvd`

d. **OK**

5.

Step 2: On the Local Computer, Map the DVD Drive

`\\remote_hostname share_name`

`remote_hostname`

`share_name`

`\\computer2\dvd`

f.

2.

3.

Installing on Remote Computers Through Remote Access Software

Installing on Remote Computers from a Hard Drive

Installing on Remote Computers from a Remote DVD Drive

Downloading Oracle Software from the Oracle Technology Network Web Site

http://www.oracle.com/technology/software/

OraDBClient10g

7.

8.

1.

d:\install\client

Procedure for Installing Oracle Database Client

`client`

`setup.exe`

Next

want—   ,   ,   , or   —and click   .

"Oracle Database Client Installation Types" on page 1-2 for
more information on these installation types.

In the Specify Home Details window, do the following:

Enter the name of the Oracle home.

Install Oracle Database Client into a new Oracle home, even if you are
installing onto a computer that has existing Oracle components installed.

Do not install Oracle Database Client 10 release 2 (10.2) software into an
existing Oracle home that contains Oracle9 or earlier software. You can install
Oracle Database Client into an existing Oracle home that contains Oracle
Database Client 10 release 1 (10.1) software, so long as Oracle Database is not
installed in the same home.

Enter the directory location for the Oracle home files. Do not include spaces in the path name.

Click   .

If you selected   in Step 5, in the Available Product Components window, select the components you want to install and click   or   .

9.

10.

11.

12.

13.

14.

15.

16. In the Net Service Name Configuration, TCP/IP Protocol window, enter the host name of the computer where the Oracle database is installed. Specify the port number, then click   .

For example, to connect to the computer   , you would enter   .

17. In the Net Service Name Configuration, Test window, click **Yes**

Next

Change Login

OK

Next

Exit   **Yes**

date_time

date_time

Oracle Database Client Postinstallation Tasks

Note:

Required Postinstallation Tasks

Downloading and Installing Patches

Note:

1.

2.

Note:
Register for MetaLink!

`RDBMS Server`

`unzip`

Updating Instant Client

Recommended Postinstallation Tasks

Configuring Instant Client Light

ORACLE_BASE ORACLE_CLIENT_HOME

*ORACLE_BASE ORACLE_CLIENT_*
HOME

ORACLE_BASE ORACLE_CLIENT_HOME

*ORACLE_*
BASE ORACLE_CLIENT_HOME

PATH

HOME_NAME

ORACLE_BASE ORACLE_HOME\network\admin\tnsnames.ora

```
                              PATH
                                                                    PATH
```

```
C:\> oracle\products\10.2.0\client_1
```

```
C:\> oracle\products\10.2.0\client_1\light
```

```
                              PATH
```

Specifying a Connection by Using the Easy Connect Naming Method

connect to the sales_us   , which is located on a server whose host name is
            and port number is 1521. If you launch SQL*Plus from the command line,
you could log in as follows:

```
Enter user-name: system@admin@//shobeen:1521/sales_us
```

```
                    OCIServerAttach()
```

```
    //    [:port][/service_name
```

```
    "(DESCRIPTION=(ADDRESS=(PROTOCOL=tcp) (HOST=shobeen) (PORT=1521))
```

```
                 (CONNECT_DATA=(SERVICE_NAME=sales_us)))"
```

Specifying a Connection by Configuring a tnsnames.ora File

*ORACLE_BASE\ORACLE_
HOME*

Specifying a Connection by Using an Empty Connect String and the LOCAL Variable

ORACLE_HOME

Using Oracle9*i* Language and Definition Files with Oracle Database 10*g* Release 2 (10.2)

```
        cr9idata.pl                                    \
\nls\data\old


   cr9idata.pl


 ORA_NLS10


        \                    \nls\data
```

Oracle Database Globalization Support Guide

Configuring Oracle Counters for Windows Performance Monitor

```
                                                        SYSTEM
                 Operfcfg.exe                    \            \bin



        operfcfg.exe –U SYSTEM –P password    TNS_Alias_for_database
```

Required Product-Specific Postinstallation Task – Configuring Oracle Net Services

5

Removing Oracle Database Client Software

Stopping Oracle Services on Windows

1.

2.

3.

Removing Oracle Database Client with Oracle Universal Installer

Install/Deinstall Products

Deinstall Products
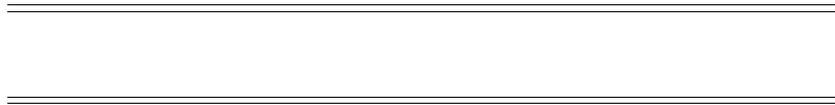
Manually Removing the Remaining Oracle Database Client Components
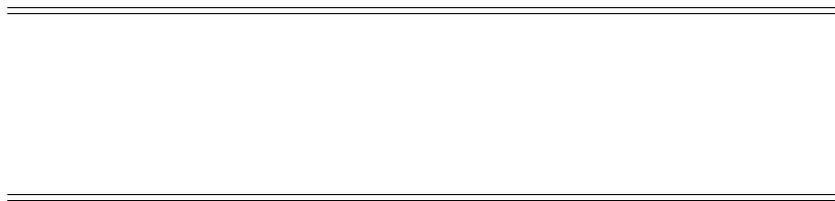
Removing Oracle Keys from the Registry Editor on Windows

Removing Only the Oracle Net Service Registry Key

Removing All Oracle Registry Keys

\   \
should be deleted only after completing these instructions.

ORCLSSO

OraOLEDB.ErrorLookup

OraOLEDB.Oracle

OracleInProcServer.XOraServer

Go to   .

Delete the   key.

If you installed Oracle Services for Microsoft Transaction Server, go to

                                    .

Delete the   key.

Go to   .

Delete all   keys, including   entries under:
`Microsoft\Windows\CurrentVersion\Explorer\MenuOrder\Start`
`Menu\Programs`

PATH

PATH

                                                                            \
Path   Path

        \   \bin;   \   \jre\1.4.2\bin\client;
        \   \jre\1.4.2\bin

\Start Menu\Programs

SYSTEM_DRIVE

ORACLE BASE

A
Installing Oracle Database Client Using Response Files

How Response Files Work

Noninteractive (or suppressed) mode

```
ORACLE_HOME_NAME="OraDBHome1"
```

```
SYSTEM_DRIVE  setup.exe_location
```

Oracle Universal Installer and OPatch User's Guide

Table A–1   Reasons for Using Silent Mode or Noninteractive Mode

Uses
If you do not specify information required for a particular Installer screen in the response file, Oracle Universal Installer displays that screen. It suppresses screens for which you have provided all of the required information.

This section describes the methods that you can use to prepare a response file for use during silent-mode or noninteractive-mode installations:

Editing a Response File Template

Recording a Response File

Oracle provides response file templates for each product and installation type, and for each configuration tool. These files are located in the directory on the Oracle Database installation media.

Creating a response file using a response file template is most useful for the Enterprise Edition or Standard Edition installation types.

Table A–2 lists the available Oracle Database Client sample response files:

Response File Name	Purpose
netca.rsp	
clientadmin.rsp	
clientcustom.rsp	
instantClient.rsp	
clientruntime.rsp	

To copy and modify a response file:

Copy the appropriate response files from the directory on the Oracle Database media to your hard drive.

Modify the response files with a text file editor.

In addition to editing settings specific to the Oracle Database Client installation, check that the path is correct and points to the file in the directory in the installation media. You may want to set this variable to point to an absolute path, for example:

```
FROM_LOCATION="\\myserver\client\stage\products.xml"
```

cd

setup.exe

setup.exe   client

:\   > setup -record -destinationFile *response_file_*
name

response_file_name

SYSTEM_DRIVE:*setup.exe_location*> setup -record -destinationFile c:\response_
files\install_oracle10_2.rsp

FROM_LOCATION   products.xml
stage

```
FROM_LOCATION="\\myserver\client\response\stage\products.xml"
```

```
                              setup.exe
                                        setup.exe        -help

         :\                      > setup -help
```

```
            :\                      > setup [-silent] "variable setting
                                                  filename
```

filename

"*variable=setting*

B

Configuring Oracle Database Client Globalization Support

Installing and Using Oracle Components in Different Languages

Running Oracle Universal Installer in Different Languages

1.

2.
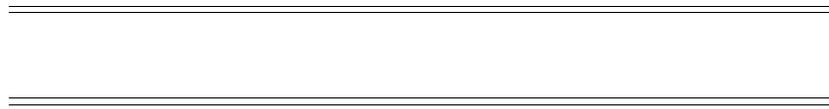
About the NLS_LANG Parameter

```
NLS_LANG = LANGUAGE_TERRITORY CHARACTER_SET
```

	Description
LANGUAGE	
TERRITORY	
CHARACTER_SET	

Commonly Used Values for NLS_LANG

Table B–1   NLS_LANG Parameter Values

Operating System Locale	NLS_LANG Value
	`ARABIC_UNITED ARAB EMIRATES.AR8MSWIN1256`
	`BULGARIAN_BULGARIA.CL8MSWIN1251`
	`CATALAN_CATALONIA.WE8MSWIN1252`
	`SIMPLIFIED CHINESE_CHINA.ZHS16GBK`
	`TRADITIONAL CHINESE_TAIWAN.ZHT16MSWIN950`
	`CROATIAN_CROATIA.EE8MSWIN1250`
Czech	`CZECH_CZECH REPUBLIC.EE8MSWIN1250`
Danish	`DANISH_DENMARK.WE8MSWIN1252`
Dutch (Netherlands)	`DUTCH_THE NETHERLANDS.WE8MSWIN1252`
English (United Kingdom)	`ENGLISH_UNITED KINGDOM.WE8MSWIN1252`
English (United States)	`AMERICAN_AMERICA.WE8MSWIN1252`
Estonian	`ESTONIAN_ESTONIA.BLT8MSWIN1257`
	`FINNISH_FINLAND.WE8MSWIN1252`
	`CANADIAN FRENCH_CANADA.WE8MSWIN1252`
	`FRENCH_FRANCE.WE8MSWIN1252`

Table B–1   (Continued)NLS_LANG Parameter Values

	`GERMAN_GERMANY.WE8MSWIN1252`
	`GREEK_GREECE.EL8MSWIN1253`
	`HEBREW_ISRAEL.IW8MSWIN1255`
	`HUNGARIAN_HUNGARY.EE8MSWIN1250`
	`ICELANDIC_ICELAND.WE8MSWIN1252`
	`INDONESIAN_INDONESIA.WE8MSWIN1252`
	`ITALIAN_ITALY.WE8MSWIN1252`
Japanese	`JAPANESE_JAPAN.JA16SJIS`
	`KOREAN_KOREA.KO16MSWIN949`
	`LATVIAN_LATVIA.BLT8MSWIN1257`
	`LITHUANIAN_LITHUANIA.BLT8MSWIN1257`
	`NORWEGIAN_NORWAY.WE8MSWIN1252`
	`POLISH_POLAND.EE8MSWIN1250`
	`BRAZILIAN PORTUGUESE_BRAZIL.WE8MSWIN1252`
	`PORTUGUESE_PORTUGAL.WE8MSWIN1252`
	`ROMANIAN_ROMANIA.EE8MSWIN1250`
	`RUSSIAN_RUSSIA.CL8MSWIN1251`
	`SLOVAK_SLOVAKIA.EE8MSWIN1250`
	`SPANISH_SPAIN.WE8MSWIN1252`
	`SWEDISH_SWEDEN.WE8MSWIN1252`
	`THAI_THAILAND.TH8TISASCII`
	`MEXICAN SPANISH_MEXICO.WE8MSWIN1252`
	`LATIN AMERICAN SPANISH_VENEZUELA.WE8MSWIN1252`
	`TURKISH_TURKEY.TR8MSWIN1254`
	`UKRAINIAN_UKRAINE.CL8MSWIN1251`
	`VIETNAMESE_VIETNAM.VN8MSWIN1258`

Table B–2   Oracle Character Sets for Operating System Locales

	Character Set

See Also:

C

Troubleshooting the Oracle Database Client Installation

What to Do if an Installation Error Occurs

Reviewing the Log of an Installation Session

date_time

installActions2005-02-14_09-00-56-am.log

Inventory

silentInstallActions   .log
    :\Program Files\Oracle\Inventory\logs

        FROM_LOCATION
products.xml
products.xml   client\stage

\ \cfgtoollogs

Fatal Error. Reinstall

installActions .log
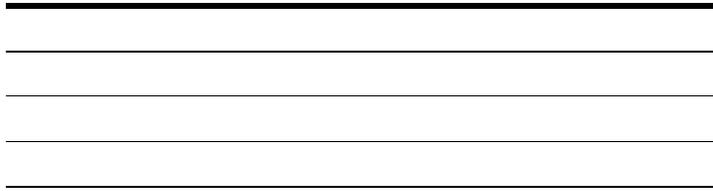
Glossary

connect descriptor

connect identifier

```
SQL> CONNECT      /password connect_identifier
```

default domain

easy connect naming

```
password@host  port  service_name  instance_name
```

external procedures

global database name

installation type

Interprocess Communication (IPC)

ldap.ora file

listener

listener.ora file

local naming

tnsnames.ora file

naming method

net service name

SQL> CONNECT *username*/*password*@   *_service name*

OPS$

OS_AUTHENT_PREFIX

" "

OPS$

cn=OracleContext

```
c:\oracle\product\10.2.0\db_
```

Oracle Net foundation layer

protocol address

repository

service registration

SID

sqlnet.ora file

`sqlnet.ora`   `\`   `\network\admin`

system identifier

Terminal Server

tnsnames.ora file

UNC

typical configuration

unqualified name

Universal Naming Convention (UNC)

computer name share name filename

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See also

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