

Oracle® Database

Quick Installation Guide

10g Release 2 (10.2) for hp Tru64 UNIX

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ORACLE®

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This guide describes how to quickly install Oracle Database 10g on hp Tru64 UNIX systems. It includes information about the following:

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Reviewing Information About This Guide

This guide describes how to install Oracle Database by using the default installation options.

Tasks Described in This Guide

The procedures in this guide describe how to:

- Configure your system to support Oracle Database
- Install Oracle Database on a local file system by using the Basic Installation option
- Configure a general-purpose Oracle Database installation that uses the local file system for database file storage

Results of a Successful Installation

After you successfully install Oracle Database:

- The database that you created and the default Oracle Net listener process run on the system.
- Oracle Enterprise Manager Database Control and *iSQL*Plus* are running and can be accessed by using a Web browser.

Tasks Not Described in This Guide

This guide covers the Basic Installation scenario and does *not* describe how to complete the following tasks:

- Using the Advanced Installation option to install the software
- Installing the software on a system that has an existing Oracle software installation
- Installing Oracle Clusterware and Oracle Real Application Clusters (RAC) on a cluster
- Enabling Enterprise Manager e-mail notifications or automated backups
- Using alternative storage options such as Automatic Storage Management or raw devices for database storage

Where to Get Additional Installation Information

For more information about installing Oracle Database, including information about the tasks not described in this guide, refer to one of the following guides:

- If you want to install the software on a single system, then refer to *Oracle Database Installation Guide for hp Tru64 UNIX*.

- If you want to perform a RAC installation, then refer to *Oracle Database Oracle Clusterware and Oracle Real Application Clusters Installation Guide for hp Tru64 UNIX*. This guide also describes how to install Oracle Clusterware, which is a prerequisite for RAC installations.

Both these guides are available on the product disc. To access them, use a Web browser to open the `welcome.htm` file located in the top-level directory of the installation media, and then select the **Documentation** tab.

Logging In to the System as root

Before you install Oracle Database, you must complete several tasks as the `root` user. To log in as the `root` user, complete one of the following procedures:

Note: You must install the software from an X Window System workstation, an X terminal, or a PC or other system with X server software installed.

- If you are installing the software from an X Window System workstation or X terminal, then:

1. Start a local terminal session, for example, an X terminal (`xterm`).
2. If you are not installing the software on the local system, then enter the following command to enable the remote host to display X applications on the local X server:

```
$ xhost fully_qualified_remote_host_name
```

For example:

```
$ xhost somehost.us.acme.com
```

3. If you are not installing the software on the local system, then use the `ssh`, `rlogin`, or `telnet` command to connect to the system where you want to install the software:

```
$ telnet fully_qualified_remote_host_name
```

4. If you are not logged in as the `root` user, then enter the following command to switch user to `root`:

```
$ su - root  
password:  
#
```

- If you are installing the software from a PC or other system with X server software installed, then:

Note: If necessary, refer to your X server documentation for more information about completing this procedure. Depending on the X server software that you are using, you may need to complete the tasks in a different order.

1. Start the X server software.
2. Configure the security settings of the X server software to permit remote hosts to display X applications on the local system.
3. Connect to the remote system where you want to install the software, and start a terminal session on that system, for example, an X terminal (`xterm`).
4. If you are not logged in as the `root` user on the remote system, then enter the following command to switch user to `root`:

```
$ su - root
```

```
password:  
#
```

Checking the Hardware Requirements

The system must meet the following minimum hardware requirements:

- At least 1024 MB of physical RAM
- The following table describes the relationship between installed RAM and the configured swap space requirement.

RAM	Swap Space
Up to 1024 MB	2 times the size of RAM
Between 1024 MB and 2048 MB	1.5 times the size of RAM
Between 2049 MB and 8192 MB	Equal to the size of RAM
More than 8192 MB	0.75 times the size of RAM

- 400 MB of disk space in the `/tmp` directory

- 3 GB of disk space for the Oracle software, depending on the installation type
- 1.2 GB of disk space for a preconfigured database that uses file system storage (optional)

Note: The disk space requirement for databases that use Automatic Storage Management or raw device storage is described later in this chapter.

Additional disk space, either on a file system or in an Automatic Storage Management disk group, is required for the flash recovery area if you choose to configure automated backups.

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

1. To determine the physical RAM size, enter the following command:

```
# /bin/vmstat -P | grep "Total Physical Memory"
```

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. To determine the size of the configured swap space, enter the following command:

```
# /sbin/swapon -s
```

If necessary, refer to your operating system documentation for information about how to configure additional swap space.

3. To determine the amount of free disk space available in the `/tmp` directory, enter the following command:

```
# df -k /tmp
```

If there is less than 400 MB of disk space available in the `/tmp` directory, then complete one of the following steps:

- Delete unnecessary files from the `/tmp` directory.
- Set the `TMP` and `TMPDIR` environment variables when setting the `oracle` user's environment (described later).
- Extend the file system that contains the `/tmp` directory. If required, contact your system administrator for information about extending file systems.

4. To determine the amount of free disk space available on the system, enter the following command:

```
# df -k
```

The following table shows the approximate disk space requirements for software files for each installation type.

Installation Type	Requirement for Software Files (GB)
Enterprise Edition	3.0
Standard Edition	3.0
Custom (maximum)	3.0

Checking the Software Requirements

The system must meet the following minimum software requirements, depending on the distribution and version of your operating system:

Note: Oracle Universal Installer performs checks on your system to verify that it meets the listed requirements. To ensure that these checks pass, verify the requirements before you start Oracle Universal Installer.

- The operating system version must be HP Tru64 UNIX V5.1B.
- The system must have Software Development Kit (SDK) v 1.4.2 for the Tru64 UNIX Operating System for the Java Platform (JDK 1.4.2)
- The following operating system subsets are required:

- OSFCMPLRS
- OSFLIBA
- OSFPGMR
- OSFSER
- OSFX11

For the Oracle products that you want to install, the system must meet the following product-specific requirements:

- PL/SQL native compilation, Pro*C/C++, Oracle Call Interface, Oracle C++ Call Interface, and Oracle XML Developer's Kit (XDK)
 - Compaq C Compiler V6.5-207 (dtk):
DTCCPLR
 - Compaq C++ Version 6.5-014:
CXXBASE
CXXLIB
CXXOLD
 - gcc 3.0
 - Compiler Driver V6.5-207 (dtk) cc Driver
 - Entrust IPsec Toolkit for C 6.0
 - Entrust Server Login 6.0
- Oracle JDBC/OCI Drivers

You can use the following versions of JDK with the Oracle JDBC/OCI drivers:

 - SDK v 1.3.1-5

- SDK v 1.2.2-12

Note: SDK v 1.4.2 must be installed before you install the software.

- Pro*FORTRAN

Compaq Fortran 90 and 77 V5.4A:

- DFABASE
- DFACOM
- DFARTL

- Pro*COBOL

Micro Focus Server Express 4.0 SP1 or later

- Oracle Net protocol support for DCE

DCE v4.3.1 or later:

- DCECDS
- DECRTS
- DCESEC

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

1. To determine which version of Tru64 UNIX is installed, enter the following command:

```
# /usr/sbin/sizer -v
Compaq Tru64 UNIX V5.1B (Rev. 2650); Mon Nov 3
10:13:28 PST 200
```

In this example, the version shown is V5.1B. If necessary, refer to your operating system documentation for information about upgrading the operating system.

2. To determine whether Java SDK 1.4.2 is installed, enter the following command:

```
# /usr/sbin/setld -i JAVA142 | more
```

If Java SDK 1.4.2 is installed, then this command displays the paths to all of the installed files. Note the path of the Java home directory. You must specify this value during the installation. The default path is:

```
/usr/opt/java142
```

If this command returns the message Unknown subset, then Java SDK 1.4.2 is not installed. Download Java SDK 1.4.2-4p2 or later from the following Web site and install it:

<http://www.compaq.com/java/download/index.html>

3. To determine whether the required software subsets are installed, enter one of the following commands:
 - To view the list of all software subsets installed on the system, enter the following command:

```
# /usr/sbin/setld -i | more
```
 - To determine whether a particular software subset is installed, enter a command similar to the following:

```
# /usr/sbin/setld -i | grep subsetname
```

If necessary, install the required software subset. If you require the Compaq C Compiler V6.5-207 (dtk), then you can download it from the following Web site:

<http://www.tru64unix.compaq.com/dtk/>

4. If you intend to use Oracle Messaging Gateway and require MQSeries classes for Java and MQSeries classes for Java Message Service (SupportPac MA88), then download it from the following Web site:

<http://www.ibm.com/software/integration/support/supportpacs/individual/ma88.htm>

In addition, you need to verify that the following patches, or later versions, are installed on the system. The procedure following the list of patches describes how to check these requirements.

Note: There may be more recent versions of the patches listed installed on the system. If a listed patch is not installed, determine whether a more recent version is installed before installing the version listed.

- For all installations on Tru64 UNIX, the following patches are required:
 - Tru64 UNIX V5.1B Patch Kit 2 or later:
T64V51BB22AS0002-20030415
 - The following patch kits are also required:
HP Tru64 UNIX 5.1B PK2 BL22 Fixes for AdvFS Panic in _OtsMove; and Possible Memory Corruption:
T64KIT0020879-V51BB22-E-20031125
 - HP Tru64 UNIX - Problem with IP Multicast Packets:

T64KIT0019662-V51BB22-E-20030818

HP Tru64 UNIX V5.1B PK2 (BL22) ERP Kit - Fix for Multiple applications may be granted an exclusive lock on the same file:

T64KIT0021665-V51BB22-E-20040220

Tru64 UNIX V5.1B PK2/BL22 Early Release Patch - Fix for Potential Application Core Dump:

T64KIT0021681-V51BB22-E-20040223

- For Oracle Messaging Gateway installation, the following corrective service diskettes (CSDs) for WebSphere MQ are required:

CSD09 or later for MQSeries V5.1

To determine whether the required patch kits are installed, enter the following command:

```
# /usr/sbin/dupatch -track -type kit
```

If this command does not display the identifiers shown in the previous table for the required patch kits (or the identifier for a

later patch kit level), then download the latest patch kit from the following Web site and install it (registration is required to access this Web site):

<http://itrc.hp.com/service/patch/mainPage.do>

If you require a CSD for MQSeries, then refer to the following Web site for download and installation information:

<http://www.ibm.com/software/integration/mqfamily/support/summary/dig.html>

Creating Required Operating System Groups and User

The following local operating system groups and users are required if you are installing Oracle Database:

- The Oracle Inventory group (`oinstall`)
- The OSDBA group (`dba`)
- The Oracle software owner (`oracle`)
- An unprivileged user

To determine whether these groups and users already exist, and if necessary, to create them, follow these steps:

1. To determine whether the `oinstall` group exists, enter the following command:

```
# more /var/opt/oracle/oraInst.loc
```

If the `oraInst.loc` file exists, then the output from this command is similar to the following:

```
inventory_loc=/u01/app/oracle/oraInventory  
inst_group=oinstall
```

The `inst_group` parameter shows the name of the Oracle Inventory group, `oinstall`.

2. If necessary, enter the following commands to create the `oinstall` and `dba` groups:

```
# /usr/sbin/groupadd oinstall  
# /usr/sbin/groupadd dba
```

3. To determine whether the `oracle` user exists and belongs to the correct groups, enter the following command:

```
# id oracle
```

If the `oracle` user exists, this command displays information about the groups to which the user belongs. The output should be similar to the following, indicating that `oinstall` is the primary group and `dba` is a secondary group:

```
uid=440(oracle) gid=200(oinstall)
groups=201(dba),202(oper)
```

4. If necessary, complete one of the following actions:

- If the `oracle` user exists, but its primary group is not `oinstall` or it is not a member of the `dba` group, then enter the following command:

```
# /usr/sbin/usermod -g oinstall -G dba oracle
```

- If the `oracle` user does not exist, enter the following command to create it:

```
# /usr/sbin/useradd -g oinstall -G dba[,oper]
oracle
```

This command creates the `oracle` user and specifies `oinstall` as the primary group and `dba` as the secondary group.

5. Enter the following command to set the password of the `oracle` user:

```
# passwd oracle
```

6. To determine whether the `nobody` user exists, enter the following command:

```
# id nobody
```

If this command displays information about the `nobody` user, then you do not have to create the user.

If the `nobody` user does not exist, then enter the following command to create it:

```
# /usr/sbin/useradd nobody
```

Configuring Kernel Subsystem Attributes

Verify that the kernel subsystem attributes shown in the following table are set to values greater than or equal to the recommended value shown. The procedure following the table describes how to verify and set the values.

Note: The kernel subsystem attribute values shown in this section are recommended values only. For production database systems, Oracle recommends that you tune these values to optimize the performance of the system. See your operating system documentation for more information about tuning kernel subsystem attributes.

Subsystem	Attribute	Recommended Value
ipc	shm_max	4278190080 (4 GB minus 16 MB)
	shm_min	1
	shm_mni	256
	shm_seg	256
	ssm_threshold	Set this attribute to 0 only if the rad_gh_regions[n] or gh_chunks attributes are set in the vm subsystem. Otherwise, do not change the value.

Subsystem	Attribute	Recommended Value
proc	exec_disable_arg_limit	1
	per_proc_stack_size	8388608 (8 MB) Oracle supports up to 512 MB for this parameter.
	max_per_proc_stack_size	33554432 (32 MB) Oracle supports up to 512 MB for this parameter.
	per_proc_data_size	335544320 (320MB)
	max_per_proc_data_size	335544320 (320MB)
	max_per_proc_address_space	Equal to the size of RAM or 1073741824 (1 GB), whichever is larger.
	per_proc_address_space	Equal to the size of RAM or 1073741824 (1 GB), whichever is larger.
rdg	msg_size	32768
	max_objs	5120
	max_async_req	256

Subsystem	Attribute	Recommended Value
	max_sessions	500 (or at least 20 plus the value of the PROCESSES initialization parameter for all databases on the system, if this value is higher.)
	rdg_max_auto_msg_wires	0
	rdg_auto_msg_wires	0
rt	aio_task_max_num	8193
vfs	fifo_do_adaptive	0
vm	new_wire_method	0

Note: If the current value for any kernel subsystem attribute is higher than the value listed in this table, then except for the attributes with a recommended value of 0, do not change the value of that attribute.

To view the current value specified for these kernel parameters, and to change them if necessary:

1. To view the current values of the subsystem attributes, enter commands similar to the following:

```
# /sbin/sysconfig -q subsystem
```

2. If you must change any of the current values, then:

- Create a backup copy of the `/etc/sysconfigtab` file, for example:

```
# cp /etc/sysconfigtab /etc/sysconfigtab.orig
```

- Using any text editor, create a file similar to the following, specifying the subsystems and attributes that you want to modify:

```
ipc:  
    shm_max = 4278190080  
    shm_min = 1  
    shm_mni = 256  
    shm_seg = 128
```

```
proc:
```

```
exec_disable_arg_limit = 1
per_proc_stack_size = 8388608
max_per_proc_stack_size = 33554432
per_proc_data_size = 335544320
max_per_proc_data_size = 335544320
max_per_proc_address_space = 4294967296
per_proc_address_space = 4294967296
```

- Enter a command similar to the following to add the subsystem attributes to the `/etc/sysconfigtab` file:

```
# /sbin/sysconfigdb -m -f filename
```

In this example, `filename` is the name of the file you created in step b.

- Enter the following command to restart the system:

```
# /sbin/shutdown -r now
```

- When the system restarts, log in and switch user to `root`.

Creating Required Directories

Create directories with names similar to the following, and specify the correct owner, group, and permissions for them:

- The Oracle base directory
- An optional Oracle data file directory (optional)

The Oracle base directory must have 3 GB of free disk space, or 4 GB of free disk space if you choose not to create a separate Oracle data file directory.

To create the Oracle base directory:

1. Enter the following command to display information about all mounted file systems:

```
# df -h
```

This command displays information about all the file systems mounted on the system, including:

- The physical device name
- The total amount, used amount, and available amount of disk space
- The mount point directory for that file system

2. From the display, identify either one or two file systems that meet the disk space requirements earlier in this section.
3. Note the name of the mount point directory for each file system that you identified.
4. Enter commands similar to the following to create the recommended subdirectories in the mount point directory that you identified and set the appropriate owner, group, and permissions on them:

```
# mkdir -p /mount_point/app/oracle_sw_owner
# chown -R oracle:oinstall /mount_point/app/oracle_
sw_owner
# chmod -R 775 /mount_point/app/oracle_sw_owner
```

For example, if the mount point you identify is `/u01` and `oracle` is the user name of the Oracle software owner, then the recommended Oracle base directory path is as follows:

```
/u01/app/oracle
```

Configuring the oracle User's Environment

You run Oracle Universal Installer from the `oracle` account. However, before you start Oracle Universal Installer, you must

configure the environment of the `oracle` user. To configure the environment, you must:

- Set the default file mode creation mask (`umask`) to `022` in the shell startup file.
- Set the `DISPLAY` environment variable.

To set the `oracle` user's environment:

1. Start a new terminal session, for example, an X terminal (`xterm`).
2. Enter the following command to ensure that X Window applications can display on this system:

```
$ xhost fully_qualified_remote_host_name
```

3. Complete one of the following steps:
 - If the terminal session is not connected to the system where you want to install the software, then log in to that system as the `oracle` user.
 - If the terminal session is connected to the system where you want to install the software, then switch user to `oracle`:

```
$ su - oracle
```

4. To determine the default shell for the `oracle` user, enter the following command:

```
$ echo $SHELL
```

5. Open the `oracle` user's shell startup file in any text editor:

- C shell (`cs`h or `tc`sh):

```
% vi .login
```

6. Enter or edit the following line in the shell startup file, specifying a value of 022 for the default file mode creation mask:

```
umask 022
```

7. If the `ORACLE_SID`, `ORACLE_HOME`, or `ORACLE_BASE` environment variable is set in the file, then remove the corresponding lines from the file.
8. Save the file, and exit from the editor.
9. To run the shell startup script, enter the following command:

- Bash shell:

```
$ . ./bash_profile
```

- Bourne shell, or Korn shell:

```
$ . ~/.profile
```

- C shell:

```
% source ~/.login
```

10. If you are not installing the software on the local system, then enter a command similar to the following to direct X applications to display on the local system:

- Bourne, Bash, or Korn shell:

```
$ DISPLAY=local_host:0.0 ; export DISPLAY
```

- C shell:

```
% setenv DISPLAY local_host:0.0
```

In this example, *local_host* is the host name or IP address of the system that you want to use to display Oracle Universal Installer (your workstation or PC).

11. If you determined that the `/tmp` directory had insufficient free disk space when checking the hardware requirements, then

enter the following commands to set the `TMP` and `TMPDIR` environment variables. Specify a directory on a file system with sufficient free disk space.

- Bourne, Bash, or Korn shell:

```
$ TMP=/mount_point/tmp
$ TMPDIR=/mount_point/tmp
$ export TMP TMPDIR
```

- C shell:

```
% setenv TMP /mount_point/tmp
% setenv TMPDIR /mount_point/tmp
```

12. Enter commands similar to the following to set the `ORACLE_BASE` and `ORACLE_SID` environment variables:

- Bourne, Bash, or Korn shell:

```
$ ORACLE_BASE=/u01/app/oracle
$ ORACLE_SID=sales
$ export ORACLE_BASE ORACLE_SID
```

- C shell:

```
% setenv ORACLE_BASE /u01/app/oracle
```

```
% setenv ORACLE_SID sales
```

In these examples, `/u01/app/oracle` is the Oracle base directory that you created earlier, and `sales` is the name that you want to call the database (typically no more than five characters).

13. Enter the following commands to ensure that the `ORACLE_HOME` and `TNS_ADMIN` environment variables are not set:

- Bourne, Bash, or Korn shell:

```
$ unset ORACLE_HOME
$ unset TNS_ADMIN
```

- C shell:

```
% unsetenv ORACLE_HOME
% unsetenv TNS_ADMIN
```

14. To verify that the environment has been set correctly, enter the following commands:

```
$ unmask
$ env | more
```

Verify that the `umask` command displays a value of `22, 022,` or `0022` and the environment variables that you set in this section have the correct values.

Mounting the Product Disc

On most hp Tru64 UNIX systems, the product disc mounts automatically when you insert it into the drive. If the disc does not mount automatically, then follow these steps to mount it:

1. Switch user to root:

```
$ su - root
```

2. If necessary, enter a command similar to the following to unmount the currently mounted disc, then remove it from the drive:

```
# /usr/sbin/umount /cdrom
```

In this example, `/cdrom` is the mount point directory for the disc drive.

3. Insert the appropriate disc into the disc drive, then enter a command similar to the following to mount it:

```
# /usr/sbin/mount -t cdfs -o nodefperm,noversion  
/dev/disk/cdrom0c /cdrom
```

In this example, `/cdrom` is the disc mount point directory, which must exist, and `/dev/disk/cdrom0c` is the disc device name.

4. If Oracle Universal Installer displays the Disk Location dialog box, then enter the disc mount point directory path. For example:

```
/cdrom
```

Installing Oracle Database

After configuring the `oracle` user's environment, start Oracle Universal Installer and install Oracle Database, as follows:

Note: If you are installing the software from a DVD, then use a command similar to the following:

```
$ /mount_point/db/runInstaller
```

1. To start Oracle Universal Installer, enter the following commands:
 - If the installation files are on disc, enter commands similar to the following, where *directory_path* is the path of the database directory on the DVD:

```
$ cd /tmp  
$ /directory_path/runInstaller
```

- If the installation files are on the hard disk, change directory to the db directory and enter the following command:

```
$ ./runInstaller
```

If Oracle Universal Installer does not start, then refer to *Oracle Database Installation Guide for hp Tru64 UNIX* for information about how to troubleshoot X Window display problems.

2. The following table describes the recommended action for each Oracle Universal Installer screen. Use the following guidelines to complete the installation:

- If you need more assistance, or if you want to choose an option that is not a default, then click **Help** for additional information.
- If you encounter errors while installing or linking the software, then refer to *Oracle Database Installation Guide for hp Tru64 UNIX* for information about troubleshooting.

Note: If you have completed the tasks listed previously, then you can complete the installation by choosing the default values on most screens.

Screen	Recommended Action
Select Installation Method	The Basic Installation option is selected by default. Specify the directory path of the Oracle home. Ensure that the UNIX DBA group <code>oinstall</code> is selected. If you want to create a starter database, then specify a name and password for it. Then, click Next .

Screen	Recommended Action
Specify Inventory Directory and Credentials	<p>This screen is displayed only during the first installation of Oracle products on a system.</p> <p>Specify the full path of the Oracle Inventory directory. Ensure that the operating system group selected is <code>oinstall</code>. Then, click Next.</p>
Product-Specific Prerequisite Checks	<p>Verify that all of the prerequisite checks succeed, then click Next.</p> <p>Oracle Universal Installer checks the system to verify that it is configured correctly to run Oracle software. If you have completed all of the preinstallation steps in this guide, all of the checks should pass.</p> <p>If a check fails, then review the cause of the failure listed for that check on the screen. If possible, rectify the problem and rerun the check. Alternatively, if you are satisfied that your system meets the requirements, then you can select the check box for the failed check to manually verify the requirement.</p>
Summary	<p>Review the information displayed on this screen, and then click Install.</p>
Install	<p>This screen displays status information while the product is being installed.</p>

Screen	Recommended Action
Configuration Assistants	This screen displays status information for the configuration assistants that configure the software and create a database. When the message is displayed at the end of this process, click OK to continue.
Execute Configuration Scripts	When prompted, read the instructions and then run the scripts mentioned on this screen. Click OK to continue.
End of Installation	<p>The configuration assistants configure several Web-based applications, including Oracle Enterprise Manager Database Control. This screen displays the URLs configured for these applications. Make a note of the URLs used. The port numbers used in these URLs are also recorded in the following file:</p> <pre><i>oracle_home/install/portlist.ini</i></pre> <p>To exit from Oracle Universal Installer, click Exit and then click Yes.</p>

Installing Products from the Oracle Database 10g Companion CD

The Oracle Database 10g Companion CD contains additional products that you can install. Whether you need to install these products depends on which Oracle Database products or features you plan to use. If you plan to use the following products or features, then you must complete the Oracle Database 10g Products installation from the Companion CD:

- JPublisher
- Oracle JVM
- Oracle *interMedia*
- Oracle JDBC development drivers
- Oracle SQLJ
- Oracle Database Examples
- Oracle Text supplied knowledge bases
- Oracle Ultra Search
- Oracle HTML DB
- Oracle Workflow server and middle-tier components

For more information about installing software from the Companion CD, refer to *Oracle Database Companion CD Quick Installation Guide for hp Tru64 UNIX*.

What to Do Next?

To become familiar with this release of Oracle Database, it is recommended that you complete the following tasks:

- Log in to Oracle Enterprise Manager Database Control using a Web browser.

Oracle Enterprise Manager Database Control is a Web-based application that you can use to manage a single Oracle Database installation. The default URL for Database Control is similar to the following:

```
http://host.domain:1158/em/
```

To log in, use the user name SYS and connect as SYSDBA. Use the password that you specified for this user during the Oracle Database 10g installation.

- Refer to *Oracle Database Installation Guide for hp Tru64 UNIX* for information about required and optional postinstallation tasks, depending on the products that you want to use.

- Refer to *Oracle Database Installation Guide for hp Tru64 UNIX* for information about how to use Database Control to learn about the configuration of your installed database.
- To learn more about using Oracle Enterprise Manager Database Control to administer a database, refer to *Oracle Database 2 Day DBA*.

This guide, designed for new Oracle DBAs, describes how to use Database Control to manage all aspects of an Oracle Database installation. It also provides information about how to enable e-mail notifications and automated backups, which you might not have configured during the installation.

Additional Information

This section contains information about the following:

- [Product Licenses](#)
- [Purchasing Licenses, Version Updates, and Documentation](#)
- [Contacting Oracle Support Services](#)
- [Locating Product Documentation](#)

Product Licenses

You are welcome to install and evaluate the products included in this media pack for 30 days under the terms of the Trial License Agreement. However, you must purchase a program license if you want to continue using any product after the 30 day evaluation period. See the following section for information about purchasing program licenses.

Purchasing Licenses, Version Updates, and Documentation

You can purchase program licenses, updated versions of Oracle products, and printed versions of Oracle documentation from the Oracle Store Web site:

<http://oraclestore.oracle.com>

Contacting Oracle Support Services

If you have purchased Oracle Product Support, you can call Oracle Support Services for assistance 24 hours a day, seven days a week. For information about purchasing Oracle Product Support or contacting Oracle Support Services, go to the Oracle Support Services Web site:

<http://www.oracle.com/support>

Locating Product Documentation

Documentation for Oracle products is available in both HTML and Adobe portable document format (PDF) formats from several locations:

- On discs in the media pack:
 - Platform-specific documentation is available on the product discs. To access this documentation, see the `welcome.htm` file located in the top-level directory of the installation media.
 - Generic product documentation is available in the Oracle Documentation Library.
- From the Oracle Technology Network Web site:
<http://www.oracle.com/technology/documentation/index.html>

To view PDF documents, download the free Adobe Acrobat Reader from the Adobe Web site, if necessary:

<http://www.adobe.com>

Documentation Accessibility

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<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.

Accessibility of Links to External Web Sites in Documentation

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.