

Oracle Enterprise Taxation Management

Quick Install Guide

Version 2.2.0 SP2

E13883-01

April 2010

Copyright © 2000, 2010, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this software or related documentation is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS

Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, duplication, disclosure, modification, and adaptation shall be subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License (December 2007).

Oracle USA, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

This software is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications which may create a risk of personal injury. If you use this software in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure the safe use of this software. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software in dangerous applications.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

This software and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Contents

Preface	i-i
Audience	i-i
Related Documents	i-i
Conventions	i-i
 Oracle Enterprise Taxation Management Installation Overview	 1-1
Oracle Enterprise Taxation Management Components.....	1-2
Network Environment Overview.....	1-3
Certified and Supported Platforms.....	1-4
Oracle Database Servers	1-4
Software Development Kit.....	1-4
COBOL Download Requirements by Platform	1-5
Installing Oracle Enterprise Taxation Management	1-6
Integrating Customer Modifications into the Upgraded Environment.....	1-6
Oracle Support Policy Regarding VMware	1-7
Installation and Configuration Overview.....	1-8
Prerequisite Third-Party Software Overview.....	1-9
Installing Additional Software	1-10
Oracle WebLogic	1-10
Micro Focus	1-10
Contacting Oracle Support	1-17

Preface

This guide provides an overview of installing Oracle Enterprise Taxation Management version 2.2.0 service pack 2.

This preface contains these topics:

- **Audience**
- **Related Documents**
- **Conventions**

Audience

Oracle Enterprise Taxation Management Quick Install Guide is intended for anyone interested in the process of installing or upgrading an existing install of Oracle Enterprise Taxation Management.

Related Documents

For more information, see these Oracle documents:

- *Oracle Enterprise Taxation Management Installation Guide*
- *Oracle Enterprise Taxation Management Database Administrator's Guide*
- *Oracle Enterprise Taxation Management Operations and Configuration Guide*
- *Oracle Enterprise Taxation Management Optional Products Installation Guide*

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.
<i>italic</i>	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.

Oracle Enterprise Taxation Management Installation Overview

This section provides a high-level overview of the installation and upgrade steps for Oracle Enterprise Taxation Management version 2.2.0 service pack 2 and selected additional software. For more information, see the *Oracle Enterprise Taxation Management Installation Guide*.

Please use Bug 8315654 to download the current version of this document from MyOracleSupport.

Please refer to the *Oracle Enterprise Taxation Management Release Notes* for a summary of the new and enhanced features and known issues (if any) in Oracle Enterprise Taxation Management version 2.2.0 service pack 2.

For Oracle Enterprise Taxation Management instances prior to service pack 2, upgrade to Oracle Enterprise Taxation Management version 2.2.0 service pack 2 involves replacement of Oracle Enterprise Taxation Management application server tier and upgrade of the database schema. All custom modifications implemented prior to the service pack 2 upgrade will be rolled forward in the course of the upgrade. Please consult the Software Development Kit documentation for details.

Additional install/upgrade details can also be found in the Oracle Enterprise Taxation Management version 2.2.0 Installation Guide and DBA Guide

This install can also be used as a Demo/Initial installation for version 2.2.0 service pack 2.

Requirements for Upgrading to Version 2.2.0 Service Pack 2

The database must be on the following level:

- Oracle Enterprise Taxation Management version 2.2.0 service pack 1 (Bug number 9002875) with the January Oracle Enterprise Taxation Management consolidated rollup (Bug number 9371547)
- FW V2.2.0 service pack 7 (Bug number 9390199)

Oracle Enterprise Taxation Management Components

The following common components may be required to facilitate a successful install. Refer to the version 2.2.0 installation material for additional information:

- Oracle Enterprise Taxation Management version 2.2.0 service pack 2 Quick Install Guide (included in upgrade, bug number 9654012)
- Oracle Enterprise Taxation Management version 2.2.0 Install Documentation (part number V15901-01)
- Oracle Enterprise Taxation Management version 2.2.0 service pack 2 User Documentation (included in upgrade, bug number 9654012)
- Oracle Utilities Application Framework version 2.2.0.7 for Oracle Enterprise Taxation Management version 2.2.0 service pack 2 Multiplatform (bug number 9654021)
- Oracle Enterprise Taxation Management version 2.2.0 service pack 2 Oracle Database (included in upgrade, bug number 9654012)
- Oracle Enterprise Taxation Management version 2.2.0 DOC1 Templates (part number V15866-01)
- Oracle Enterprise Taxation Management version 2.2.0 Web Self Service (part number V15891-01)
- Micro Focus Server 5.0 WrapPack4 version 2 (part number V13377-01)
- Micro Focus Server Express 5.0 WrapPack4 (part number V12935-01)
- Micro Focus Net Express 5.0 (part number V12909-01)
- Micro Focus Server Express 5.0 (part number V12930-01)
- Micro Focus Server 5.0 (part number V12908-01)
- Micro Focus 5.0 patches for Oracle Enterprise Taxation Management (part number V15890-01)

Please download the platform specific install for your installation:

- Oracle Enterprise Taxation Management version 2.2.0 service pack 2 for HP-UX Itanium (bug number 9654012)
- Oracle Enterprise Taxation Management version 2.2.0 service pack 2 for IBM AIX Based Systems (bug number 9654012)
- Oracle Enterprise Taxation Management version 2.2.0 service pack 2 for Sun Solaris SPARC (64-bit) (bug number 9654012)
- Oracle Enterprise Taxation Management version 2.2.0 service pack 2 for Microsoft Windows (bug number 9654012)
- Oracle Enterprise Taxation Management version 2.2.0 service pack 2 for Linux x86-64 (bug number 9654012) *

* Note: Oracle Enterprise Taxation Management version 2.2.0 service pack 2 introduce a technical upgrade for Linux. Linux is now only supported as a 64-bit application. Please refer to the special Linux installation considerations in this document

Network Environment Overview

The application is deployed on multiple tiers:

Tier 1: Browser-Based Client

The following Operating System / Web Browser software is supported:

- Windows XP Service Pack 3 or higher with Internet Explorer 7.0 or Internet Explorer 6.0 SP2
- Windows Vista Service Pack 1 or higher with Internet Explorer 7.0

Tier 2: Web Application Server

Oracle Enterprise Taxation Management supports the following Web application servers:

- Oracle WebLogic Enterprise and Standard Edition
- IBM WebSphere Application Server
- Apache Tomcat (for development only)

Tier 3: Database Server

Oracle Enterprise Taxation Management supports the following databases:

- Oracle
- DB2 9.1 on z/OS 1.9

Certified and Supported Platforms

The installation has been certified to operate on many operating system, application server, and database server combinations. For the software requirements for each of these combinations, see the *Oracle Enterprise Taxation Management Installation Guide*.

The following table details the operating system and application server combinations on which Oracle Enterprise Taxation Management version 2.2.0 has been tested and certified.

Operating System	Chipset	Application Server		
		Oracle WebLogic 10 MP1	IBM WebSphere Application Server 6.1.0.27	Tomcat 6.0.13
AIX 5.3 (64-bit) TL11 AIX 6.1 (64-bit) TL4	Power 64-bit	32-bit version	32-bit version	N/A
HP-UX 11.31 (64-bit)	Itanium	64-bit version	N/A	N/A
Oracle Enterprise Linux 5.4 (64-bit) Red Hat Enterprise Linux 5.4 (64-bit)	x86_64	64-bit version	N/A	N/A
Solaris 10 (64-bit)	SPARC	64-bit version	N/A	N/A
Windows 2008 Server SP2 (64-bit)	x86_64	32-bit version	N/A	32-bit version Development only. No production support.

Oracle Database Servers

Oracle Enterprise Taxation Management version 2.2.0 service pack 2 is supported with Oracle Database Server 10.2.0.4, 11.1.0.7, and 11.2.0.1 on all of the operating systems listed above.

The Oracle 11.1.0.7 client is required regardless of which version of Oracle database server - 11g or 10g - is deployed on the database tier.

Software Development Kit

Refer to the Software Development Kit documentation for installation instructions.

COBOL Download Requirements by Platform

The following are for the Linux platform only:

- Micro Focus Server 5.0 WrapPack4
- Micro Focus Server Express 5.0 WrapPack4

The following are for Unix, except Linux platforms:

- Micro Focus Server 5.0
- Micro Focus Server Express 5.0
- Micro Focus 5.0 patches for Oracle Enterprise Taxation Management. This is required for Micro Focus Server 5.0 and Micro Focus Server Express 5.0.

The following are for Windows platforms:

- Micro Focus Server 5.0
- Micro Focus Net Express 5.0
- Micro Focus 5.0 patches for Oracle Enterprise Taxation Management. This is required for Micro Focus Server 5.0 and Micro Focus Net Express 5.0.

Installing Oracle Enterprise Taxation Management

For additional information on installing Oracle Enterprise Taxation Management, see the *Oracle Enterprise Taxation Management Installation Guide* for version 2.2.0.

To Install Oracle Enterprise Taxation Management Version 2.2.0 Service Pack 2:

1. Install all required third-party software.
2. Install/upgrade the database. See the section “Oracle Database Installation” in the *Oracle Enterprise Taxation Management Database Administrator's Guide* for complete details.
3. Install Oracle Utilities Application Framework version 2.2.0.7 (Application server only). See the chapter “Installing the Oracle Utilities Application Framework” in the *Oracle Enterprise Taxation Management Installation Guide* for details.
4. Install Oracle Enterprise Taxation Management version 2.2.0 service pack 2 (Application server only). See the chapter “Installing Oracle Enterprise Taxation Management” in the *Oracle Enterprise Taxation Management Installation Guide* for details.
5. Generate Application Viewer items (this includes the Data Dictionary).

Integrating Customer Modifications into the Upgraded Environment

If you are upgrading or installing into an existing Oracle Enterprise Taxation Management environment that had customer modifications, the install utility will back up all of your customer modifications deployed on the application server tier in a temporary installation area and then copy them back into the environment at the end of the upgrade process. The *Oracle Enterprise Taxation Management Database Administrator's Guide* describes the naming rules supported by the installation utility to preserve customer modifications. That chapter also discusses the naming conventions for implementing custom modules.

The configuration files of the existing environment are backed up in the directory \$SPLEBASE/etc on UNIX and %SPLEBASE%\etc on Windows during installation by the install scripts to preserve any customer changes made.

It is required to rebuild the CM Java sources and recompile COBOL programs. In order to run this build, follow these steps:

1. Execute applyCM from corresponding Oracle Utilities Software Development Kit version on the upgraded environment with the “-b” (full build) option. For more details, see the document 08Cookbook.doc within the Oracle Utilities Software Development Kit documentation:

UNIX:

```
cd $SPLEBASE  
<SDK bin folder>/applyCM.sh -b
```

Windows:

```
cd %SPLEBASE%  
<SDK bin folder>\applyCM.cmd -b
```

The script initialCMSetup utility is provided for your convenience to help complete the reintegration of your custom modifications into the new environment. The script compiles all custom implementation COBOL modules (prefixed with CMP or CML).

To execute initialCMSetup utility:

1. Login to the host server with the Oracle Enterprise Taxation Management administrator userid.
2. Connect your session to the target environment with the following command:

UNIX:

```
$SPLEBASE/bin/splenviron.sh -e $SPLENVIRON
```

Windows:

```
%SPLEBASE%\bin\splenviron.cmd -e %SPLENVIRON%
```

3. Execute the command:

UNIX:

```
Unix: initialCMSetup.sh
```

Windows:

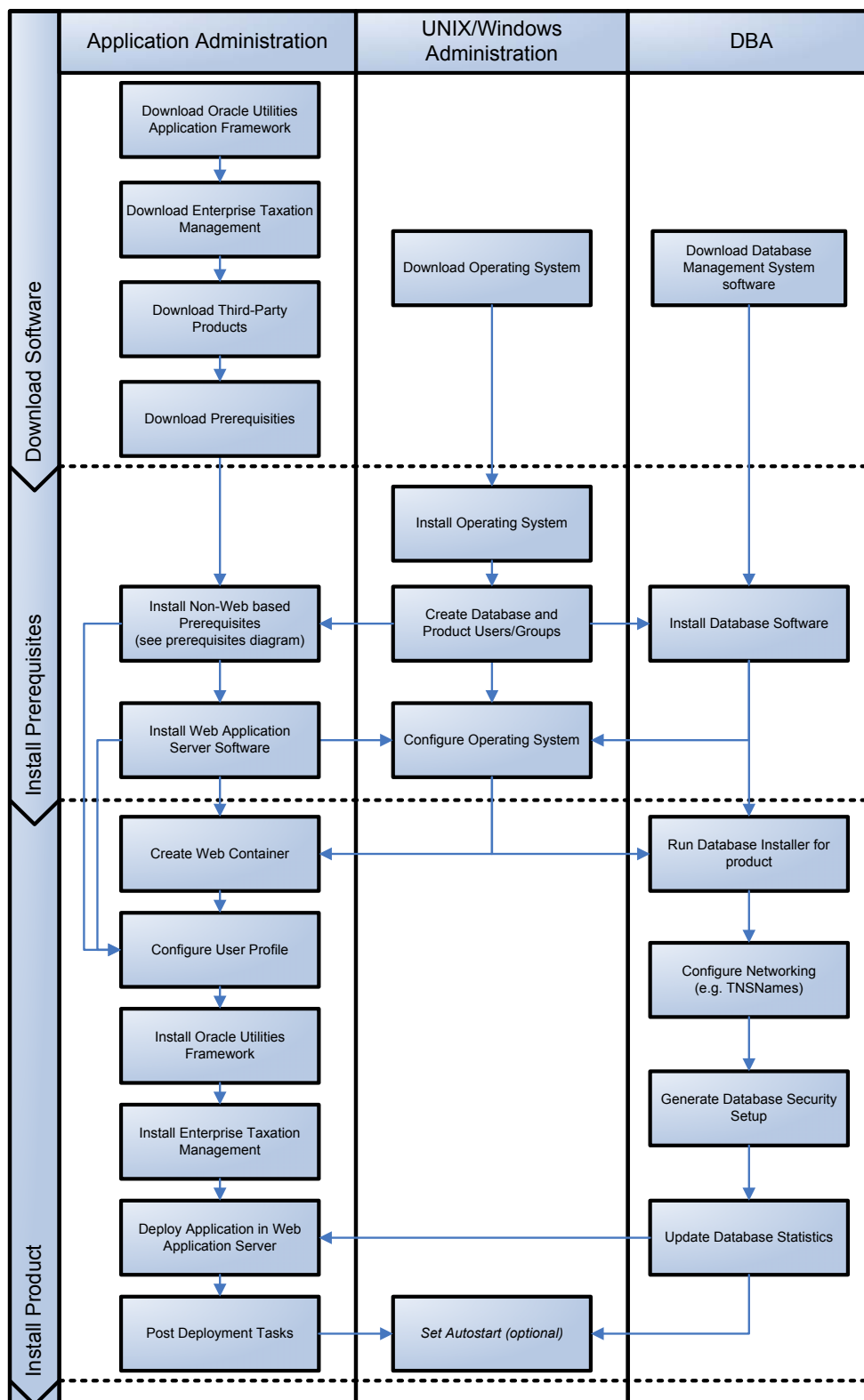
```
Windows: initialCMSetup.cmd
```

Oracle Support Policy Regarding VMware

Metalink Note 249212.1: “Oracle has not certified any Oracle Software on VMware virtualized environments. Oracle Support will assist customers running Oracle Software on VMware in the following manner: Oracle will only provide support for issues that either are known to occur on the native OS without virtualization, or can be demonstrated not to be as a result of running VMware. If a problem is a known Oracle issue, Oracle support will recommend the appropriate solution on the native OS without virtualization. If that solution does not work in the VMware virtualized environment, the customer will be referred to VMware for support.”

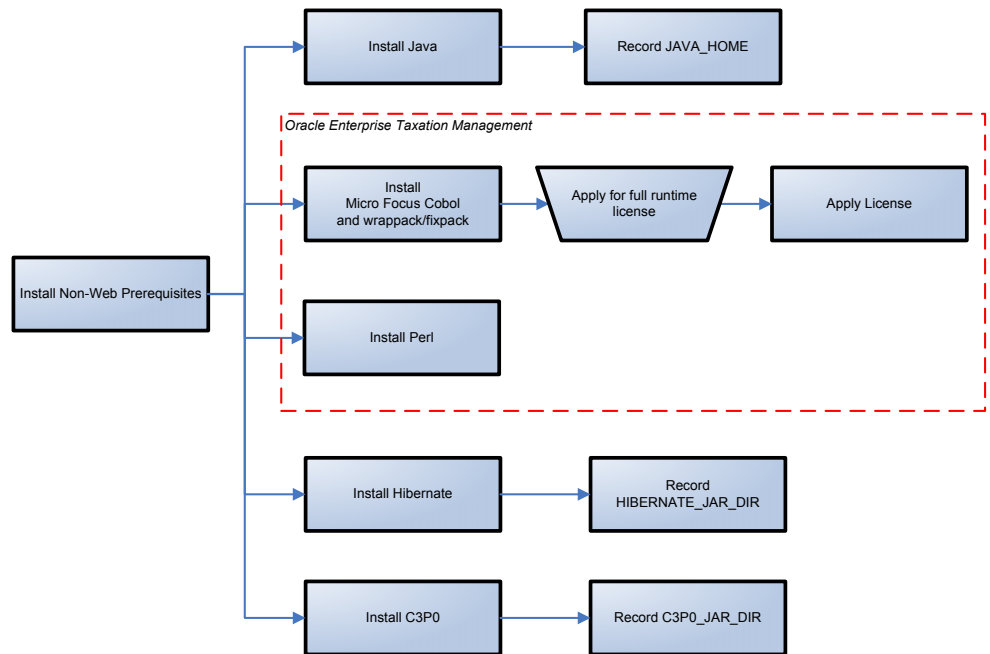
Installation and Configuration Overview

The following diagram provides an overview of the steps that need to be taken to install and configure Oracle Enterprise Taxation Management:



Prerequisite Third-Party Software Overview

The following diagram represents an overview of the prerequisite software installation:



Installing Additional Software

Please read this section and follow directions if you purchased a license from Oracle for any of the following products:

- Oracle WebLogic
- Micro Focus

Oracle WebLogic

Customers must download Oracle WebLogic Server from the Oracle E-Delivery Web site. The version of Oracle WebLogic Server is in the Oracle Enterprise Taxation Management version 2.2.0 service pack 2 Supported Platforms Summary section.

Note. If you install a temporary license for Oracle WebLogic, please note that this license is limited to 5 non-current users. You will need to install the full license.

Install the Oracle WebLogic license

To apply a full license you will need to complete the following steps:

1. The license keys for Oracle WebLogic products are located at:
<http://licensecodes.oracle.com/bea.html>
2. The following products are supported: Oracle WebLogic Server Standard Edition and Oracle WebLogic Server Enterprise Edition.
3. At the time of release of this document the license key on the Web site for Oracle WebLogic Server Standard Edition is BEA WebLogic Server Advantage Edition. The license key for Oracle WebLogic Server Enterprise Edition on the Web site is BEA WebLogic Server Premium Edition.
4. Shut down the Oracle Enterprise Taxation Management application server.
5. Follow the instructions from the Oracle WebLogic installation document to install the license key.
6. Start the Oracle Enterprise Taxation Management application server.

Micro Focus

Oracle Enterprise Taxation Management supports the following Micro Focus products:

Micro Focus Server (for UNIX or Windows) (REQUIRED). A 30-day temporary license is included with your Oracle Enterprise Taxation Management license fee. This is the runtime and licensing engine that allows the product's COBOL programs to run in a production environment.

Micro Focus Server Express (for UNIX) (OPTIONAL). This license is required if you will be developing your own COBOL programs. It compiles COBOL programs for deployment in the UNIX environment.

Micro Focus Net Express (for Windows) (OPTIONAL). This license is required if you will be developing your own COBOL programs. It compiles COBOL programs for deployment in the Windows environment.

Both Net Express and Server Express include a COBOL compiler and a COBOL run-time.

If you are developing using Java only, Micro Focus Server Express and Micro Focus Net Express are not required.

Note. This product installation does not automatically install permanent licenses. Permanent licenses for Micro Focus Application Server should be acquired through Oracle.

Caution. If you are installing both Micro Focus Server and Micro Focus Server Express on the same UNIX machine, you must install Micro Focus Server first.

Note. Refer to **Installing Oracle Enterprise Taxation Management** on page 1-6.

UNIX Micro Focus Server

Micro Focus Server is the runtime and licensing engine that allows the COBOL programs to run in a production environment. Micro Focus Server is a required prerequisite to installing any Oracle Enterprise Taxation Management application.

Install it before you install Server Express. Server Express is an optional additional component used for the development and deployment of COBOL applications only.

Installing UNIX Micro Focus Server Software

Caution: This software MUST be installed into /opt/SPLcobAS50 on UNIX systems.

To install the UNIX version of the Micro Focus server, complete the following steps:

1. For Linux and HP-UX Servers: Download and extract the software in the Micro Focus Server 5.0 WrapPack4 package from <http://edelivery.oracle.com>.
2. For All other UNIX: Download and extract the software in the Micro Focus Server 5.0 package from <http://edelivery.oracle.com>
3. In the top directory run the script setup.sh as the root user.
4. Select your Operating system
5. Enter the following responses to the installation questions:
6. Enter the name of the directory where you want to install this product: /opt/SPLcobAS50
 - Do you want to make use of COBOL and Java working together? (y/n): y
 - What version of Java do you wish to use: 1.5.0
 - Please enter either 32 or 64 to set the system default mode: 32

Note: This value must match the bit version for your Web server. Refer to the section **Certified and Supported Platforms** on page 1-4.

- Do you wish to configure Enterprise Server now? (y/n): n

Installing UNIX Temporary Licenses

Temporary license codes provided will expire in 30 days. During this time you have to request a full license. If the temporary license is not converted within the 30-day temporary license period the system will stop functioning.

To install these license keys, as root, with COBDIR set:

1. Execute the program:


```
export COBDIR=/opt/SPLcobAS50;/opt/SPLcobAS50/aslmf/aptrack
```
2. When asked for a password, create one of your own.
3. Select the License Install option to install the temporary license keys.

Serial Number: ORACLE_UTS30DAY32

License Code: 04038 10780 64AAF 5F705 7CD9 ILA

FOR AIX PLATFORMS, Additionally install the following license key:

Serial Number: ORACLE_UTS30DAY64

License Code: 04038 A0780 64AAF F2601 3788 ILA

Installing UNIX Micro Focus Required Patches

Linux Servers do not need to be patched as they are running WrapPack4.

For UNIX installs you will need to install the relevant COBOL patch. This patch is included in the Micro Focus 5.0 Patches for Oracle Enterprise Taxation Management package available from <http://edelivery.oracle.com>.

The Micro Focus Server subdirectory in the package contains a different .encr for each operating system platform.

To install the patch:

1. As root, with COBDIR set, enter the following command:

```
export COBDIR=/opt/SPLcobAS50
```
2. Execute the *.encr file for your particular platform. You will now have a tar file containing the fixpack.
3. Extract the fixpack, for example, `tar xvf <filename>`.
4. To install the fixpack, execute the installation:

```
sh ./install
```

Acquiring Permanent Licenses

To request a permanent license, contact licensecodes_ww@oracle.com with the following information:

- Company Name
- Customer Number
- CSI Number (if available) or a copy of your contract including attachment 1.
- OS Platform and Version
- Full name of Product to be licensed: Micro Focus Server - UNIX

The turnaround time for getting license codes is 48 hours.

Installing UNIX Micro Focus Server Permanent Licenses

Oracle licensing (licensecodes_ww@oracle.com) will provide you a tar file (named MFServerPermLicense.tar). This tar file needs to be placed on your UNIX server and the contents need to be extracted to a new directory.

The tar file will contain a readme.txt file that contains instructions on how to complete the license code installation.

Windows Micro Focus Server

Micro Focus Server is the runtime and licensing engine that allows the COBOL programs to run in a production environment. Micro Focus Server is a required prerequisite to installing any Oracle Enterprise Taxation Management application.

Note: Windows Micro Focus Server cannot be installed on the same machine as Micro Focus Net Express. You must have either one or the other per machine, but not both.

Installing Windows Micro Focus Server Software

1. Download and extract the software in the Micro Focus Server 5.0 package.
2. In the top directory of the downloaded package run the executable setup.exe.
3. Select Install Micro Focus Server for COBOL Deployment on Windows.

4. On the **Customer Information** dialog box you don't need to enter a Serial Number or WO number.
5. On the **License Information** dialog box use:
Serial Number: ORACLE_UTS30DAYNX
License Number: 01280 10780 64AA2 1710A 0A83 ILA
This will install a 30 day TEMPORARY LICENSE
6. On the **Custom Setup** dialog box install the following components:
INSTALL Windows Unmanaged Run-time System Support
Do not install Enterprise Server
Do not install Support for Microsoft .NET

Also, see **Acquiring Permanent Licenses** on page 1-12 to ensure that you start the process of acquiring and installing a permanent license key.

Install Windows Micro Focus Required Patches

For Windows installs you will need to install the relevant COBOL patch.

This patch is provided in the Micro Focus 5.0 patches for Oracle Enterprise Taxation Management package available from <http://edelivery.oracle.com>.

The package contains a Micro Focus Server\Windows Server subdirectory that contains an .msp file. This file needs to be executed on the Windows machine.

Read the supplied readme.txt file in the same directory of the patch for separate install instructions for this patch. You do not need to provide a license number if asked.

Temporary License Codes

Temporary license codes provided are active for up to 30 days while you request a full license. If the temporary license is not converted within the 30-day temporary license period, you cannot run COBOL programs.

The temporary license codes would have been installed in the above section “Installing Windows Micro Focus Server software”.

Acquiring Permanent Licenses

To request a permanent license, contact licensecodes_ww@oracle.com with the following information:

- Company Name
- Customer Number
- CSI Number (if available) or a copy of your contract including attachment 1.
- OS Platform and Version
- Full name of Product to be licensed: Micro Focus Server - Windows

The turnaround time for getting license codes is 48 hours.

Install Windows Micro Focus Server Permanent Licenses

Oracle licensing will e-mail you a license key. This license key will be a plain text key that contains a Serial Number and a License Number component.

To install the license key:

1. Run the apptrack program to install this key. If you accepted the default installation locations for Micro Focus Server, then the executable will be in the following location:

C:\Program Files\Micro Focus\Server 5.0\Bin\apptrack.exe

2. Select License Install and follow the prompts.

Micro Focus Server Express

Licenses for Micro Focus Server Express are purchased separately for each developer.

Micro Focus Server Express is the Cobol development component for UNIX that allows you to compile COBOL programs. If COBOL development is not required, there is no need to purchase this product.

To complete the installation of Micro Focus Server Express, you must obtain a COBOL Serial Number and a License Key for the number of users licensed to use your system.

Installing the Server Express Software

1. For Linux servers: Download and extract the software in the Micro Focus Server Express 5.0 WrapPack4 package from <http://edelivery.oracle.com>.
2. For all other UNIX: Download and extract the software in the Micro Focus Server Express 5.0 package from <http://edelivery.oracle.com>.
3. In the top directory run the script `./setup.sh` as the root user.
4. Select your Operating system.
5. Enter the following responses to the installation questions:

Directory for install: `/opt/cobol5.0`

Do you want to make use of COBOL and Java working together?: `y`

Versions of Java do you want to be the default?: `1.5.0`

Would you like to install LMF now?: `y`

Directory name where you wish to install License Manager: `/opt/microfocus/mflmf`

Do you want license manager to be automatically started at boot time?: `y`

Please enter either 32 or 64 to set the system default mode: `32`

Do you wish to configure Enterprise Server now?: `n`

Do you want to install XDB?: `n`

Install UNIX Server Express Required Patches

Linux Servers do not need to be patched as they are running WrapPack4.

For UNIX installs you will need to install the relevant COBOL patch.

This patch is provided in the Micro Focus 5.0 Patches for Oracle Enterprise Taxation Management package available from <http://edelivery.oracle.com>.

The package contains a Micro Focus Server Express subdirectory that contains a different .encr for each operating system platform.

To install the patch:

1. As root, with COBDIR enter the command:

```
export COBDIR=/opt/cobol5.0
```
2. Execute the *.encr file for your particular platform. You will now have a tar file containing the fixpack.
3. Extract the fixpack, for example, `tar -xvf <filename>`.
4. To install the fixpack, execute the installation script:

```
sh ./install
```

Installing Server Express Temporary Licenses

Temporary license codes provided are active for up to 30 days while you request a full license. If the temporary license is not converted within the 30-day temporary license period, you cannot compile COBOL programs.

After installing the Cobol license manager you will need to manually add the following licenses using the “mflmcmd” command.

If you installed the license manager into /opt/microfocus/mflmf then the commands to install the temporary license will be:

```
COBDIR=/opt/microfocus/mflmf
export COBDIR
LD_LIBRARY_PATH=$COBDIR/lib:$LD_LIBRARY_PATH:/lib
export LD_LIBRARY_PATH
cd /opt/microfocus/mflmf
$COBDIR/mflmcmd
```

Select the option “I” for install and use the below Serial Number/License combination.

Serial Number: ORACLE_UTD30DAY32

License Code: 01030 10780 016A6 E700D 0464 ILA

FOR AIX PLATFORMS you need to additionally install the following license key:

Serial Number: ORACLE_UTD30DAY64

License Code: 01030 A0780 016A7 02E06 B500 ILA

Permanent License

To permanently license Server Express, you must obtain a COBOL Serial Number and a License Key for the number of users licensed to use your system.

To request a permanent license, contact licensecodes_ww@oracle.com with the following information:

- Company Name
- Customer Number
- CSI Number (if available) or a copy of your contract including attachment 1.
- OS Platform and Version
- Full name of Product to be licensed: Micro Focus Server Express

The turnaround time for getting license codes is 48 hours.

Installing UNIX Micro Focus Server Express Permanent Licenses

Oracle licensing will e-mail you a license key. This license key will be a text-based key that contains a Serial Number and a License Number component.

If you installed the license manager into /opt/microfocus/mflmf then the commands to install the temporary license will be:

```
COBDIR=/opt/microfocus/mflmf
export COBDIR
LD_LIBRARY_PATH=$COBDIR/lib:$LD_LIBRARY_PATH:/lib
export LD_LIBRARY_PATH
cd /opt/microfocus/mflmf
$COBDIR/mflmcmd
```

Select the option “I” for install and use the provided Serial Number/License combination.

Micro Focus Net Express

Licenses for Micro Focus Net Express are purchased separately for each developer.

Micro Focus Net Express is the COBOL development component for Windows that allows you to compile COBOL programs. If COBOL development is not required, there is no need to purchase this product. The NetExpress COBOL Compiler product contains the Application Server Run-Time System. When you install and license the COBOL Compiler on a machine, you can compile and run COBOL programs on that machine. It is not necessary to install or license the Application Server Run-Time System on machines where the NetExpress COBOL Compiler is already installed and licensed.

Windows Micro Focus Server cannot be installed on the same machine as Micro Focus Net Express. You must have either one or the other per machine, but not both.

Installing Micro Focus Net Express

If you need to compile, or compile and run, COBOL programs on a Windows machine you can install and license the Micro Focus Net Express 5.0 COBOL Compiler.

1. Download the Micro Focus Net Express 5.0 package from <http://edelivery.oracle.com>.
2. Execute the setup.exe from the base directory of the install.
3. Go straight to the option **Install Net Express**.
4. On the **Customer Information** dialog box you do not need to enter a Serial Number or WO number.
5. On the **Custom Setup** dialog box install the following components:

Install Net Express support for Windows & Cross Platform.

Do not install anything else.

Temporary License

The COBOL Compiler installation includes a temporary license, which is active for up to 30 days while you request a full license. If the temporary license is not converted within the 30-day temporary license period, you cannot compile or run COBOL programs.

Permanent License

Obtaining a full license requires a REQUESTKEY/RESPONSE KEY. A request key is generated during the Net Express installation by encrypting unique hardware identifiers. Access is granted when a response key is entered that matches the request key.

Completing the Permanent License Process

1. Request the response key by sending an e-mail to licensecodes_ww@oracle.com. Include your Company Name, Customer ID, CSI number (if available), and the request key.
2. Click **Licensing** in the Protection System dialog box to determine your request key (and to enter your response key when you get it). Or, go to **Start, Program, Micro Focus Net Express X.X, Configuration, License Management System**.
3. Click **Generate Full License** to obtain the request key and to enter the response key. Note: Disregard any instructions during the installation, or in the online documentation, that direct you to contact Micro Focus for your response key.

Note. Disregard any instructions during the installation, or in the online documentation, that direct you to contact Micro Focus for your Response Key.

You can deploy Net Express to as many computers as allowed by your license. However, installation on a new machine generates a new request key. You must secure an additional, unique response key for each new installation.

The turnaround time for getting license codes is 48 hours.

Contacting Oracle Support

Please follow this link <http://www.oracle.com/support/index.html> to contact Oracle Support

