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# TestPartner

## Installation Guide

Release 6.2

Customer support is available from our Customer Support Hotline or via our FrontLine Support Web site.

**Technology Customer Support**

Compuware Corporation  
Customer Support Hotline  
**1-800-538-7822**

FrontLine Support Web Site:

<http://frontline.compuware.com>

For telephone numbers in other geographies, see the list of worldwide offices at <http://frontline.compuware.com>

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February 6, 2009

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# Introduction

- ◆ [Who Should Read This Guide](#)
- ◆ [Related Publications](#)
- ◆ [World Wide Web Information](#)
- ◆ [Getting Help](#)

## Who Should Read This Guide

This guide is intended for administrators who are installing or configuring TestPartner; it does not contain reference or usage information. You can find that information in the *TestPartner Help*.

Compuware assumes that you are familiar with basic Microsoft Windows navigation. If this is not the case, familiarize yourself with the documentation for Microsoft Windows before reading this guide.

## Related Publications

In addition to the *TestPartner Installation Guide*, the TestPartner documentation set includes the *Distributed License Management Installation Guide*, which contains instructions for licensing your Compuware product. Both installation guides are only available in PDF format.

You can view and print the installation guides from your Compuware installation media or from Compuware's FrontLine customer support Web site at <http://frontline.compuware.com>

Because PDF is based on PostScript, a PostScript printer is the most reliable way to print the installation guides. In most cases, you can also print PDF files to PCL printers. If you cannot print the PDF files to your printer, refer to Adobe's Web site at <http://www.adobe.com> for troubleshooting information.

## World Wide Web Information

To access Compuware Corporation's site on the World Wide Web, point your browser at <http://www.compuware.com>. The Compuware site provides a variety of product and support information.

**FrontLine Support Web Site:** You can access online customer support for Compuware products via the FrontLine support Web site. FrontLine provides fast access to critical information about your Compuware product. You can read or download documentation, frequently

asked questions, and product fixes, or e-mail your questions or comments. To access FrontLine, follow these steps:

- 1 Open a Web browser and go to: <http://frontline.compuware.com>  
The Welcome to FrontLine page appears.
- 2 On the right side of the page, enter your login ID and password and click the **Login** button.

**Note:** If you are a first-time visitor, click the **Register** button to receive your free password to access FrontLine. After you complete the registration form, your login ID and password will be e-mailed to you and your account will be activated.

- 3 From the list in the center of the page, select a product and click the **Go** button. You will see the product's FrontLine home page, where you can access documentation, technical information, fixes, and other support items.

## Getting Help

At Compuware, we strive to make our products and documentation the best in the industry. Feedback from our customers helps us maintain our quality standards. If you need support services, please obtain the following information before calling Compuware's 24-hour product support hotline:

- ◆ The name, release (version), and build number of the Compuware product. This information is displayed when you select the **About** command from your product's Help menu. The name and release are also on the covers of the product documentation.
- ◆ Installation information, including installed options, whether the product uses local or network databases, whether it is installed in the default directories, whether it is a standalone or network installation, and whether it is a client or server installation.
- ◆ Environment information, such as the operating system and release on which the product is installed, memory, hardware/network specifications, and the names and releases of other applications that were running.
- ◆ The location of the problem in the Compuware product software, and the actions taken before the problem occurred.
- ◆ The exact product error message, if any.
- ◆ The exact application, licensing, or operating system error messages, if any.
- ◆ Your Compuware client, office, or site number, if available.

### Compuware Customer support



Compuware Corporation  
One Campus Martius  
Detroit MI 48226-5099  
1-800-538-7822

# Chapter 1

## Getting Started

- ◆ [Overview of Compuware's Quality Solutions](#)
- ◆ [Installation Types](#)
- ◆ [Before Installation](#)

### Overview of Compuware's Quality Solutions

Compuware Quality Solutions combines requirements management, functional testing, quality management, test data management and performance testing, with the expertise to ensure best practices. This unique combination enables IT to capture accurate requirements, jump-start testing with automatically generated test cases and accomplish more thorough testing in the time available. Our solution manages the entire testing process—from design to execution to analysis—providing actionable insight into test activities and ensuring quality expectations are met before an application goes live.

#### Optimal Trace

*Capture complete and accurate requirements*

Compuware Optimal Trace provides requirements capture and management capabilities in a single solution and enables IT and the business to collaborate more effectively. It enables the delivery of high-quality applications by facilitating the capture of well-defined requirements that can be fully traced through the project life cycle.

#### QADirector

*Actionable insight into quality management*

Compuware QADirector is a powerful test management solution that gives QA organizations a framework for managing the entire testing process—from design to execution to analysis. It provides appropriate assignment of testing activities, improved efficiency and accuracy of deliverables as well as greater predictability and repeatability.

#### TestPartner

*Visual automated testing*

Compuware TestPartner is an automated testing tool that speeds functional testing of complex applications developed with a range of distributed technologies. It features a visual, story-board-oriented approach to capturing business processes that empowers application users to collaborate with quality experts and accomplish more testing in the time available.

#### QALoad

*Improve scalability and performance with repeatable load testing*

Compuware QALoad provides accurate and repeatable performance testing for application scalability and performance. It emulates hundreds-even thousands-of users performing business transactions, without massive hardware requirements and before having to involve end users. It measures end-to-end system response times under production-like transaction volumes, so service-level thresholds and performance metrics can be validated prior to deployment.

## Application Performance Assurance

### *Early, comprehensive performance analysis*

Application Performance Assurance couples load testing with application profiling and root-cause analysis. In minutes, IT can find major application and database issues before load testing, and accelerate performance bottleneck identification and resolution during test, ultimately reducing the number, duration and cost of load-testing cycles. This combination also reduces lost productivity and prevents over-investment in hardware associated with production performance problems.

## File-AID/CS

### *Manage test data while ensuring data privacy*

Compuware File-AID/CS is a test data management tool that saves time and reduces the level of complexity often associated with managing distributed data and preparing data for testing. Equipped with an easy-to-use graphical interface, our solution allows QA teams to perform data-related tasks without waiting on specialized resources to create accurate and secure test data.

## Installation Types

*Tip: An upgrade to a new release does not require you to uninstall the current release provided the current release is TestPartner 6.0 or later.*

Before you begin, determine the type of installation you need to perform:

**Initial Installation:** An initial installation is the first-time installation of a product on your computer. For TestPartner installation instructions, see [“Installing TestPartner”](#) on page 14.

**Modify:** A modification of the product installation occurs when you add or remove one or more of a product’s components, but not all of them. For TestPartner modification instructions, see [“Modifying an Installation”](#) on page 51.

**Repair:** A repair installation may be necessary due to a corruption of a program or the inadvertent deletion of the product. For TestPartner repair instructions, see [“Repairing an Installation”](#) on page 52.

**Remove:** A remove or uninstall removes all the components of a product. For TestPartner removal instructions, see [“Removing a Product”](#) on page 52.

## Before Installation

Before installing any Compuware product, you should carefully review the following information:

### System Requirements

Review the system requirements to ensure that you meet the prerequisites for the successful installation and operation of the product. System requirements are also listed in the Release Notes.

### Release Notes

Review the Release Notes for information about new features, technical notes, and known issues that may enhance or impact your product's performance. Release Notes contain recent changes that may not be included in your Compuware product documentation.

Release Notes can be viewed from the Compuware installation media or on FrontLine, Compuware's product support web site. The Release Notes on FrontLine are periodically updated as new information becomes available.

To access the TestPartner Release Notes from the Compuware installation media:

- 1 From the Compuware installation media, access the TestPartner Release Notes. The Release Notes open in your default Web browser.
- 2 View the Release Notes or print the document.
- 3 After viewing or printing the Release Notes, close the document to return to the Compuware installation media.

To access the TestPartner Release Notes on FrontLine:

- 1 Open a Web browser and go to: <http://frontline.compuware.com>  
The Welcome to FrontLine page appears.
- 2 Enter your User ID and password, and then click the **Login** button.

**Note:** For detailed information about using Frontline, click the **Login Help** link.

- 3 From the list of products, select **TestPartner**. The TestPartner FrontLine home page appears.
- 4 Select the **Documentation** link. The Compuware Product Documentation page appears and lists document for the current TestPartner release.
- 5 Click the **HTML** or **PDF** icons to view the desired documents.



## Chapter 2

# Installing TestPartner

- ◆ [System Requirements](#)
- ◆ [Installing TestPartner](#)
- ◆ [Setting Up a SQL Server Database with TestPartner](#)
- ◆ [Setting Up an Oracle Database with TestPartner](#)
- ◆ [Setting Up SQL Server or Oracle for TestPartner Without a Domain](#)
- ◆ [Creating a Data Source Name](#)
- ◆ [Migrating TestPartner Objects from a Standard Character Set to UTF8 \(for Unicode\)](#)
- ◆ [Logging On and Starting TestPartner](#)

## System Requirements

TestPartner has the following minimum system requirements:

### Hardware:

- ◆ Pentium 4 processor equivalent or higher (recommended)
- ◆ Minimum of 512 MB of RAM
- ◆ 300 MB of hard disk space on the system disk (the disk on which the operating system is installed), and an additional 220 MB when installing SQL Server 2005 Express as the default TestPartner database
- ◆ Optimized for 1024 x 768 or higher screen resolution

### Operating System:

- ◆ Microsoft Windows Vista Business, Enterprise, and Ultimate SP1 (32-bit) Editions
- ◆ Microsoft Windows XP Professional SP2, SP3 (32-bit)
- ◆ Microsoft Windows Server 2008 Standard and Enterprise SP1 (32-bit) Editions
- ◆ Microsoft Windows Server 2003 Standard and Enterprise SP1, SP2, and R2 (32-bit) Editions

### Browser:

- ◆ Microsoft Internet Explorer 7.0

- ◆ Microsoft Internet Explorer 6.0 SP2, SP3
- ◆ Mozilla Firefox 3.0
- ◆ Mozilla Firefox 2.0

#### Database:

- ◆ Microsoft SQL Server 2008; Prerequisites include MDAC 2.8 (2.80.1022.3), .NET Framework 2.0, Windows Installer 3.1

**Note:** The 2008 version of the SQL Server Native Client ODBC driver is not supported. You must use the 2005 version.

- ◆ Microsoft SQL Server 2005 SP1 & SP2; Prerequisites include MDAC 2.8 (2.80.1022.3), .NET Framework 2.0, Windows Installer 3.1
- ◆ Microsoft SQL Server 2005 Express Edition SP2 (for up to 5 users); Prerequisites include MDAC 2.8 (2.80.1022.3), .NET Framework 2.0, Windows Installer 3.1
- ◆ SQL Server 2000 SP4; Prerequisites include MDAC 2.6 SP2 (2.62.7400.1), .NET Framework 2.0, Windows Installer 3.1
- ◆ Microsoft Access 2000 (as a single-user database)
- ◆ Oracle 10.2, 10.1, 9.2 RDBMS database on Microsoft or Unix/Linux platforms

#### Other Software:

- ◆ Microsoft Visual Basic for Applications 6.5 (6.5.1024, 6.5.1020), (VBA) 6.4 (6.4.9969, 6.4.9971, and 6.4.9972), 6.3 (6.0.9108), 6.2x (6.0.8967), or 6.2 (6.0.8714); TestPartner installs VBA 6.2 (6.0.8714)
- ◆ Adobe Acrobat or Acrobat Reader to view the documentation provided in PDF format (the Acrobat Reader setup file is available from Adobe's Web site: [www.adobe.com](http://www.adobe.com))
- ◆ Additional resources may be required for testing tools and the application under test

### Input Method Editor (IME) Support

TestPartner supports the following IMEs for the listed input systems.

#### Legend

X = Supported

#### Japanese Input System:

Table 2-1.

Description	File Name	Windows 2000	Windows XP	Windows 2003 Server	Windows Vista
MS-IME 2000	imejp.ime	X			

Table 2-1.

Description	File Name	Windows 2000	Windows XP	Windows 2003 Server	Windows Vista
MS-IME 2002	imejp81.ime		X	X	
MS-IME 2003	imejp9.ime	X	X	X	
MS-IME (10.0.6000.0)	N/A				X

### Korean Input System:

Table 2-2.

Description	File Name	Windows 2000	Windows XP	Windows 2003 Server	Windows Vista
IME 2000	imekr61.ime		X	X	
MS-IME 2002	imekr.ime		X	X	
MS-IME 2003	imekr70.ime	X	X	X	
MS-IME (8.0.6000.0)	N/A				X

### Simplified Chinese Input System:

Table 2-3.

Description	File Name	Windows 2000	Windows XP	Windows 2003 Server	Windows Vista
MS-PinYin 98	pintlgt.ime	X			
MS-PinYin 3.0	pintlgt.ime		X	X	
MS-Pinyin IME (10.0.6000.0)	N/A				X

## Traditional Chinese Input System:

Table 2-4.

Description	File Name	Windows 2000	Windows XP	Windows 2003 Server	Windows Vista
MS-New Phonetic IME	tintlgnt.ime	X	X	X	
MS Big5 Code IME	b5pinyin.ime	X	X	X	
MS-New Phonetic IME (10.0.6000.0)	N/A				X

**Note:** Text Services FrameWork (TSF) and the Rich Edit control (version 4.1 and above) are not supported for recording. This does not affect playback.

## Installing TestPartner

This section explains the installation process for TestPartner. Please review [“System Requirements”](#) on page 11 to ensure that TestPartner installs and operates properly on your computer.

Before proceeding with the TestPartner installation, Compuware recommends that you review the TestPartner Release Notes which includes information about new features, technical notes, and known issues. The Release Notes also document recent changes that might not be included in TestPartner documentation. Please review this information carefully; the Release Notes document is updated as new product information becomes available. To review the Release Notes prior to installation, see the [“Before Installation”](#) section of the [“Getting Started”](#) chapter.

---

**Required:** Compuware recommends that you exit all non-essential Windows programs before running this setup program. Some Windows programs may interfere with the installation process.

If you have a TestPartner release prior to 6.0 installed, you must back up your data and uninstall TestPartner before installing the new version.

You must have administrator permissions to install and use TestPartner.

---

To install TestPartner:

- 1 From the Compuware installation media, select the TestPartner installation link. The installation wizard appears.
- 2 Read the welcome page and click **Next**. The **License Agreement** page appears.

- 3 Read the license agreement. If you consent with the agreement, then click **Yes**. The **Customer Information** page appears.
- 4 Type your name and company in the **User Name** and **Company Name** fields. Click **Next**. The **Choose Destination Location** page appears.
- 5 Select a folder in which to install TestPartner or use the default location.
  - ◇ By default, TestPartner installs in **<USER\_DIR>:\Program Files\Compu-ware\TestPartner** (where **<USER\_DIR>** is the drive on which your operating system is installed).
  - ◇ To specify a different folder, click the **Browse** button and select the desired folder. Click **OK**.
- 6 Click **Next**. The **Select Features** page appears. This page allows you to select additional features to install. Highlight a feature to view a brief description.
- 7 Select additional features to install:

**Note:** If you are upgrading a TestPartner release and have previously installed any additional features, you must reinstall these features to use them with the current release.

- ◇ **Active Object Recognition:** Lets you define support for Java controls that may not be recognized by TestPartner out of the box. The Active Object Recognition (AOR) utility includes a collection of core Java classes and lets you add custom Helper classes and metadata based on your application and requirements. This component is typically used by advanced Java users.
- ◇ **SAP eCATT Integration:** Configures TestPartner for proper integration with SAP's eCATT testing tool. This allows for storage and retrieval of TestPartner data from the eCATT repository and full integration for external testing from eCATT.

**Note:** You must have SAP GUI for Windows 6.20, 6.40, or 7.10 installed to enable the eCatt integration feature. For information about configuring SAP for use with TestPartner, refer to the TestPartner Release Notes.

- ◇ **Visual Studio Integration:** There are two selections for Visual Studio Integration. Microsoft Visual Studio 2005 Team Suite must be installed to install these features.
  - **Visual Studio Team Suite Integration:** This option installs TestPartner's integration with Microsoft Visual Studio 2005 Team Suite. This integration allows you to use TestPartner as the testing solution for Visual Studio 2005 test projects. With the option installed, you can create TestPartner functional test suites, run TestPartner scripts, analyze test runs, and launch TestPartner from within Visual Studio 2005. You must install the **Testing Tools** subcomponent of the **Team Developer and Tester Tools** component for Visual Studio 2005 Team Suite to install this feature.
  - **Visual Studio Team Test Load Agent Integration:** This option installs TestPartner's remote testing integration with Visual Studio 2005. This integration allows TestPartner scripts to run on remote computers through the Microsoft Visual Studio 2005 Team Test Load Agent. You must install the Microsoft Visual Studio 2005 Team Test Load Agent and the Visual Studio 2005 Team Test Load Controller on the same computer to install this feature.

**Note:** To start TestPartner functional testing in Visual Studio 2005 Team Suite, start Visual Studio 2005 Team Suite after installing TestPartner and click **Project>Add New Test** or **Test>New Test**. When the **Add New Test** dialog box appears, select the Compuware Functional Test template and click **OK**.

- ◇ **SQL Server 2005 Express Edition:** Installs SQL Server 2005 Express as the default TestPartner database. This feature is selected by default. If you do not want to install SQL Server 2005 Express Edition, clear the check box. TestPartner will install Microsoft Access 2000 as the default TestPartner database. For additional information about SQL Server 2005 Express, see [“Setting Up a SQL Server Database with TestPartner”](#) on page 20.

Make your selection(s) and click **Next**. The **Setup Status page** appears and displays an installation progress bar to inform you of the current progress of the installation. When the installation completes, the **InstallShield Wizard Complete** page appears.

- 8 Click the **Visit Compuware Frontline for Product News and Technical Alert** box, and then click **Finish** to complete the installation of TestPartner and display Frontline.

**Note:** After the installation completes, you may be prompted to restart your computer.

## Where To Go Next

- ◆ The evaluation license supplied with your installation of TestPartner allows you to install the product and run it for a specific period of time without first installing a license. During this trial period, you are informed of how much evaluation time remains.

At any time during the evaluation period, you can obtain and install a permanent license. When the evaluation period expires, you **must** obtain a license and install it before you can successfully run this product.

There are two types of TestPartner licenses:

**TestPartner\_Developer:** Enables full TestPartner functionality.

**TestPartner\_Runtime:** Enables only playback functionality from the TestPartner command line utility (**TP.EXE**) or from QADirector.

For instructions on installing and configuring a license, refer to the *Distributed License Management Installation Guide*, which you can access from the Compuware installation media, .

- ◆ TestPartner automatically configures an ODBC data source when installed with a SQL Server 2005 Express or Access database. Before using TestPartner with other databases, you must create and configure an ODBC data source and an ODBC database. Continue to the following sections for instructions:
  - ◇ [“Setting Up a SQL Server Database with TestPartner”](#) on page 20
  - ◇ [“Setting Up an Oracle Database with TestPartner”](#) on page 29
  - ◇ [“Setting Up SQL Server or Oracle for TestPartner Without a Domain”](#) on page 37.

Additionally, to use SQL Server 2005 Express in a multi-user environment, see [“Setting Up Users in SQL Server”](#) on page 24.

After you have created and configured your database resources, you are ready to begin using TestPartner. Refer to the TestPartner *Help* for more information about the tasks and activities associated with preparing for, planning, building, and running test projects.

### ***Performing an Unattended Installation (silent install)***

You can perform an unattended installation of TestPartner, in which setup screen entries are made automatically from the command line. An unattended installation can be convenient if you want to perform several installations of TestPartner with identical configurations on different computers from a remote location.

**Note:** Software distribution management software, such as Microsoft Systems Management Server (SMS), is required to install TestPartner remotely.

### **Unattended Installation Prerequisites**

Before performing an unattended installation of TestPartner, you must install the following prerequisites on each target installation computer (installation commands to run each executable from the Compuware installation media are provided after each prerequisite):

**Note:** Depending on the operating system of the target installation computer, some or all of the following installation prerequisites may already be installed.

When using Microsoft Access 2000 as the default TestPartner database, the only installation prerequisite is VBA 6.2.

When installing TestPartner on Windows Vista, you must be logged in as an administrator.

- ◆ **VBA 6.2 (6.0.8714)**

```
msiexec.exe /i <USER_DIR>\requirements\vba\vba6.msi /q REBOOT=ReallySu-
press
```

**Note:** You must install VBA 6.2 even if a later version of VBA is already installed.

- ◆ **.NET 2.0 Framework**

```
<USER_DIR>\requirements\dotnetfx.exe /Q /c:"install /l /q"
```

- ◆ **MDAC 2.8 (2.80.1022.3)**

```
<USER_DIR>\requirements\mdac_typ.exe /Q /c:"dasetup.exe /q /n"
```

- ◆ **Windows Installer 3.1 or 4.0**

```
<USER_DIR>\requirements\WindowsInstaller-KB893803-v2-x86.exe /quiet /
norestart
```

**Note:** To install Windows Installer 3.1, use the above command. Windows Installer 4.0 is shipped with Windows Vista. There is no redistributable for installing Windows Installer 4.0 on other operating systems.

- ◆ **SQL Server 2005 Express with database instance**

```
<USER_DIR>\requirements\SQLEXP32.EXE /qn ADDLOCAL=SQL_Data_Files INSTAN-
CENAME=QACInst SECURITYMODE=SQL SAPWD=qacenter SQLBROWSERAUTOSTART=1 DIS-
ABLENETWORKPROTOCOLS=2
```

- ◆ **SQL Server Management Studio Express (optional)**  
`msiexec.exe /i <USER_DIR>\requirements\SQLServer2005_SSMSEE.msi /q`
- ◆ **SQL Native Client (optional - 2005 version)**  
`msiexec.exe /i <USER_DIR>\requirements\sqlncli.msi /q REBOOT=ReallySuppress APPGUID={279FBA4C-035F-4B82-82E3-C670B26D2D15}`
- ◆ **Microsoft Visual C++ 2005 SP1 Redistributable Package (x86)**  
`<USER_DIR>\requirements\vc redistrib_x86.exe /q:a`

**Note:** The Visual C++ 2005 Redistributable Package is only required when you are upgrading from TestPartner 6.1 to TestPartner 6.2 on Windows Vista or Windows Server 2008. For more information, refer to the [Microsoft Download Center](#).

## Unattended Installation Steps

- 1 Run `TestPartner.msi` from a command line prompt.
- 2 Specify the desired installation options and properties.

**Note:** For a complete list of options and properties, consult the Windows Installer SDK documentation. Public properties customized for TestPartner installation are listed later in this section.

As an example, the command for an unattended basic installation of TestPartner is as follows:

```
C:\TestPartner\msi>msiexec /i TestPartner.msi /qn
```

In this example, the display option `/qn` is used to set the user interface level to “none”. The user is never prompted to supply information and never sees any messages. In addition to setting the display option, you can also set other options, such as whether to restart a computer after installation, display a log file, or uninstall a previous TestPartner installation.

TestPartner also provides customized public properties that you can use to specify additional installation features.

## Customized Public Properties for Unattended Installations

For a listing of these properties, see the following table:

Table 2-5.

Property	Description
INSTALLLEVEL	<p>Specifies installation features by level. Each feature is assigned a value. A feature is installed only if the value of the feature is equal or less than the INSTALLLEVEL value.</p> <p>The available TestPartner features and values are:</p> <ul style="list-style-type: none"> <li>• Core = 1</li> <li>• SQL_Server_2k5_Exp_Ed = 50</li> <li>• Active_Object_Recognition = 150</li> <li>• SAP_eCATT_Integration = 175</li> <li>• VSTS_Client_Integration = 200</li> <li>• VSTS_Remote_Integration = 225</li> </ul> <p>“Core” specifies a base installation of TestPartner with Access 2000 installed as the default database.</p> <p>“SQL_Server_2k5_Exp_Ed” installs a SQL Server 2005 Express database as the default TestPartner database. You must install the SQL Server 2005 Express prerequisites prior to specifying this feature. See <a href="#">“Unattended Installation Prerequisites”</a> on page 17.</p> <p>Examples:</p> <p>To install Active Object Recognition, a SQL Server 2005 Express database, and the base installation features:</p> <pre>msiexec /i msi\TestPartner.msi /qn INSTALLLEVEL=150</pre> <p>To install all features:</p> <pre>msiexec /i msi\TestPartner.msi /qn INSTALLLEVEL=225</pre>

Table 2-5.

Property	Description
ADDLOCAL	<p>Specifies installation features by name. Each feature is assigned a name. A feature is installed only if its name is specified.</p> <p>The available TestPartner features listed by name are:</p> <ul style="list-style-type: none"> <li>• Core</li> <li>• Active_Object_Recognition</li> <li>• SAP_eCATT_Integration</li> <li>• SQL_Server_2k5_Exp_Ed</li> <li>• VSTS_Client_Integration</li> <li>• VSTS_Remote_Integration</li> </ul> <p>“Core” specifies a base installation of TestPartner with Access 2000 installed as the default database.</p> <p>“SQL_Server_2k5_Exp_Ed” installs a SQL Server 2005 Express database as the default TestPartner database. You must install the SQL Server 2005 Express prerequisites prior to specifying this feature. See <a href="#">“Unattended Installation Prerequisites”</a> on page 17.</p> <p>Examples</p> <p>To install Active Object Recognition in addition to base installation features:</p> <pre>msiexec /i msi\TestPartner.msi /qn ADDLOCAL="Core, Active_Object_Recognition"</pre> <p>To install all features:</p> <pre>msiexec /i msi\TestPartner.msi /qn ADDLOCAL="Core, Active_Object_Recognition, SAP_eCATT_Integration, VSTS_Client_Integration, VSTS_Remote_Integration"</pre>

## Unsupported Windows Installer Options

For unattended installations, TestPartner does not support the following Windows installer options:

- ◆ **/a - Administrative installation option:** This option installs a product on the network.
- ◆ **/j - Advertising option:** This option advertises a product.
- ◆ **/c - New instance advertising option:** This option advertises a new instance of a product.

## Setting Up a SQL Server Database with TestPartner

TestPartner accesses test assets stored in the TestPartner database. This section describes how to set up the following databases to use as a TestPartner database:

- ◆ SQL Server 2008

- ◆ SQL Server 2005
- ◆ SQL Server 2005 Express
- ◆ SQL Server 2000

**Note:** Compuware recommends that a database administrator or person with general knowledge of database administration performs the database setup and configuration.

For SQL Server 2005 Express, the following setup requirements are automatically created by the TestPartner installer:

- ◆ SQL Server 2005 Express database with instance “**QACInst**” and strong password “**qacenter**”.
- ◆ User with admin rights “**TestPartnerAdmin**” with strong password “**TestPartnerAdmin**”. General user “**TestPartnerUser**” with strong password “**TestPartnerUser**”.
- ◆ Data source name (DSN) “**TestPartner\_SQL**”.
- ◆ Database owner/schema “**TestPartnerDB**”.

For more information about maintaining the default TestPartner SQL Server 2005 Express database, refer to TestPartner Help topic “Opening a SQL Server Database”.

### ***SQL Server Database Connection Requirements***

Each client computer uses an ODBC data source to connect to the database. As a result, connecting to the TestPartner database has the following requirements:

- ◆ Each computer running TestPartner must be able to access the computer where the database resides.
- ◆ TestPartner must be installed on all computers accessing the database.
- ◆ The database connection must be configured for use with TestPartner. See “[Configuring a TestPartner Database Connection](#)” on page 48.

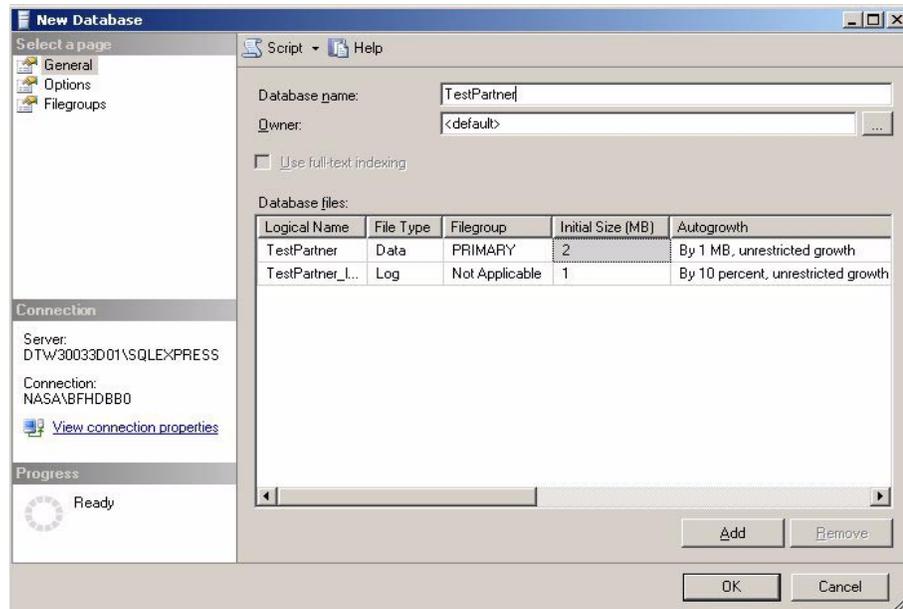
### ***Creating a New SQL Server Database***

This section describes how to create a SQL Server 2005/2008 database using SQL Server Management Studio and a SQL Server 2000 database using SQL Server Enterprise Manager. In addition to the following procedures, you must also populate the database with TestPartner tables using the Database Maintenance utility, which is described in “[Preparing the SQL Server TestPartner Database](#)” on page 27.

Create a SQL Server database on the server computer by performing the following procedures. Separate instructions are provided for both SQL Server 2005 and SQL Server 2000.

## SQL Server 2005/2008

- 1 In the Object Explorer of SQL Server Management Studio, right-click the Databases folder and choose **New Database**. The New Database window appears.



- 2 Enter a name for the database in the **Database Name** field.
- 3 Click **OK**.

## SQL Server 2000

- 1 From the SQL Server Enterprise Manager, expand the navigation tree until the Databases folder is visible.
- 2 Right-click the Databases folder and choose **New Database**. The Database Properties window appears.
- 3 In the Database Properties window, enter a name for the database in the **Name** field and click **OK**.

## Creating a New SQL Server Admin User

You need to create a SQL Server user with system administrator rights to perform subsequent setup steps.

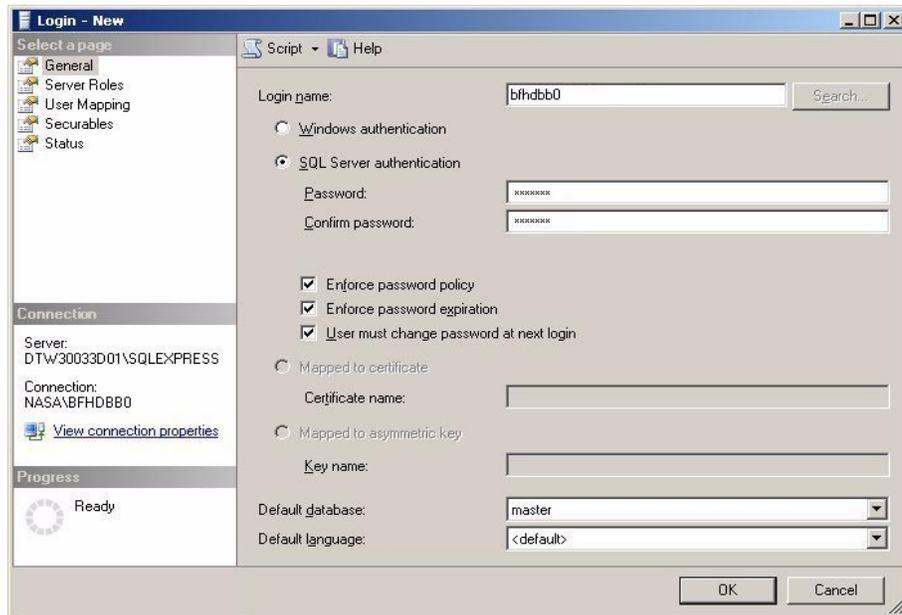
**Note:** For SQL Server 2005 Express, TestPartner automatically creates a user with admin rights “**TestPartnerAdmin**” and strong password “**TestPartnerAdmin**”.

To create a SQL Server admin user:

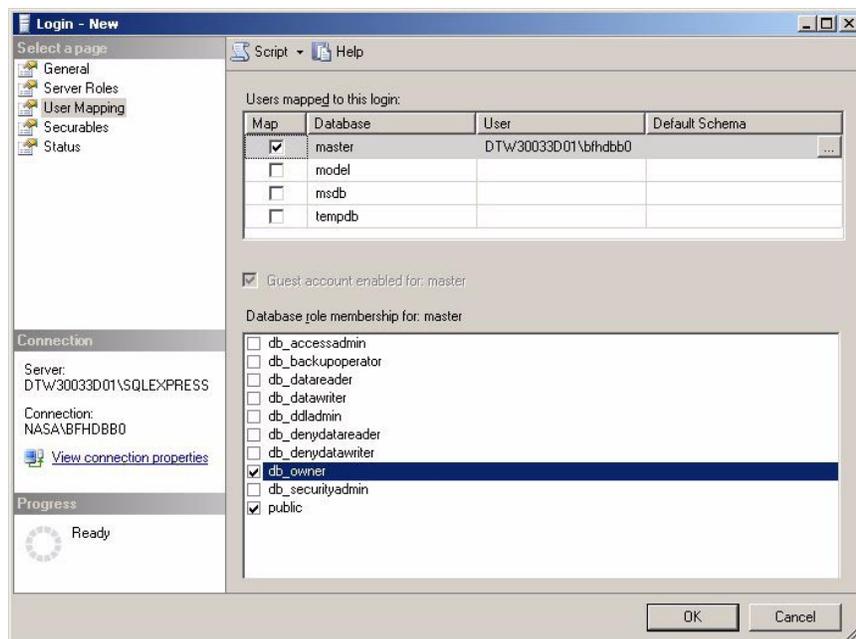
## SQL Server 2005/2008

- 1 In the Object Explorer of SQL Server Management Studio, navigate to the Security folder and expand it. Right-click the **Logins** icon and choose **New Login**. The New-Login win-

dow appears.



- 2 In the **General** page, type a user ID in the **Login name** field.
- 3 Select **SQL Server Authentication** and enter a password. Select the default database from the **Default database** drop-down list.
- 4 In the **Server Roles** page, select **sysadmin** from the Server roles list.
- 5 Select the **User Mapping** page.
- 6 In the **Map** column, select the check box for the database that your login can access. By default, the login name appears in the **User** column. Leave this value.



- 7 In the **Database role membership for** list, select **db\_owner**.

- 8 Click **Ok**.
- 9 In the Object Explorer, right-click the Schema folder and choose **New Schema**. Create a new Schema. The new schema name must match the name of the previously created user with system admin rights.
- 10 Assign the new user with system administrator rights as the owner of the schema.
- 11 Click **OK**.
- 12 Select the newly created user and set the default schema to the newly created schema.

### **SQL Server 2000**

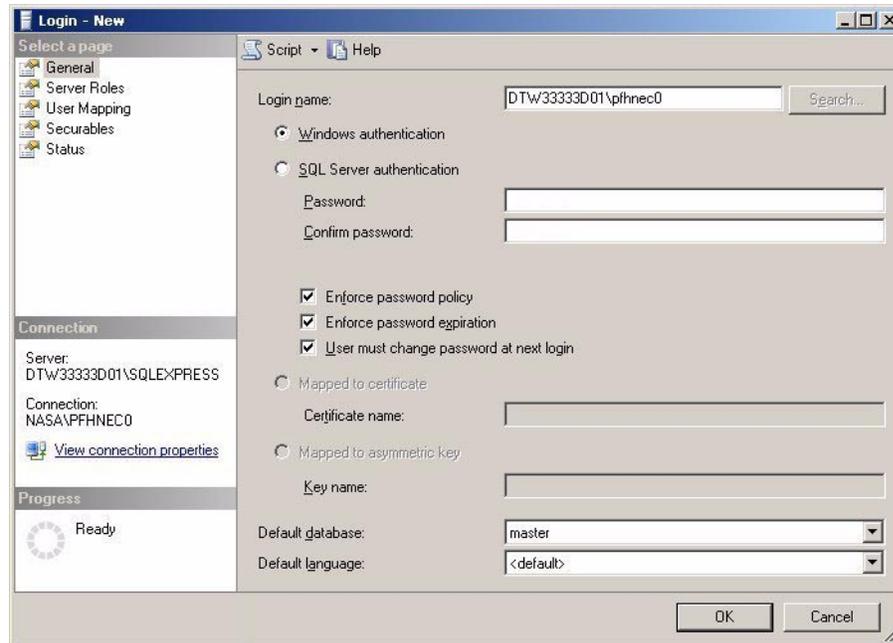
- 1 In SQL Server Enterprise Manager, navigate to the Security folder and expand it. Right-click the **Logins** icon and choose **New Login**. The SQL Server Login Properties dialog box appears.
- 2 Select the **General** page. Enter a user ID in the **Name** field and select **SQL Server Authentication**.
- 3 Click the **Server Roles** tab. Select **System Administrators**.
- 4 Click the **Database Access** tab. Select your TestPartner database and select db\_owner in the database roles list that appears below. Click **OK**.

### ***Setting Up Users in SQL Server***

The following procedure should be performed on the database server computer for each user who needs to connect to the SQL Server database:

## SQL Server 2005/2008 and SQL Server 2005 Express

- 1 In the Object Explorer of SQL Server Management Studio, navigate to the Security folder and expand it. Right-click the **Logins** icon and choose **New Login**. The New-Login window appears.



- 2 Select the **General** page. Enter a user ID in the **Login name** field. Select either **Windows Authentication** or **SQL Server Authentication**.
- 3 Select the default database from the **Default database** drop-down list.
- 4 Select the **User Mapping** page.
- 5 In the **Map** column, select the check box for the database that your login can access. By default, the login name appears in the **User** column. Leave this value.
- 6 In the **Default Schema** column, enter the default schema. For use with TestPartner, the default schema must match the schema of the previously created user with system admin rights.
- 7 In the **Database role membership for** list, leave the default option **public** selected. Select the **db\_datareader** and **db\_datawriter** check boxes.
- 8 Click **OK**.

---

**Required:** To use SQL Server 2005 Express with multiple users, each SQL Server 2005 Express installation must be enabled for remote connectivity. To enable SQL Server 2005 Express for remote connectivity, refer to the Microsoft support article "How to configure SQL Server 2005 to allow remote connections".

---

## SQL Server 2000

- 1 Start the **SQL Server Enterprise Manager** from the Start menu. The SQL Server Enterprise Manager Window appears.
- 2 In the left pane, navigate to the database to which you would like to add users.
- 3 Click **Tools>Wizards...** or click the **Run a Wizard** button on the toolbar. This is the button with an image of a wand. The Select Wizard dialog box appears:



- 4 Click **Database** and select **Create Login Wizard**. Click **OK**. The Create Login Wizard dialog box appears.
- 5 Click **Next**.
- 6 Users that are set up in SQL Server can use either Windows NT or SQL Server Authentication.
- 7 Choose an authentication method:
  - ◆ To use SQL Server Authentication, select the **SQL Server login information that was assigned to me by the system administrator (SQL Server Authentication)** option and click **Next**. The Authentication with SQL Server panel appears.
    - a In the **Login ID** field, type the SQL Server login ID for the user that will be used to access the SQL Server. This ID is used to authenticate the user login credentials to the SQL Server database.
    - b In the **Password** field, type the password for the user ID entered in the Login ID field. Then retype the user's password in the **Confirm Password** field. Click **Next**.
    - c Click **Next**. The Grant Access to Security Roles panel appears.
    - d Click **Next**. The Grant Access to Databases panel appears.
    - e Click the appropriate check boxes to select the databases to which the user's account is to have access. Click **Next**.
    - f Click **Finish**.

- ◆ To use Windows NT Authentication, select the **Windows account information I use to logon to my computer (Windows authentication)** option and click **Next**. The Authentication With Windows panel appears.
  - a Type the domain name and user ID or group name for the user or group you would like to add
  - a Select the **Grant access to the server** option. Click **Next**.
  - b Click **Next** again.
  - c Select the check box for the database(s) to which the users will have access. Click **Next**.
  - d Click **Finish**.
- 8 In the left pane, navigate to the database to which you added users with the Create Login Wizard. Click **Users**.
- 9 In the right pane, right-click the user ID or group you added with the wizard in the steps above and choose **Properties**. The Database User Properties dialog box appears.
- 10 Select the **db\_datareader** and **db\_datawriter** check boxes. Click **OK**.

### ***Creating a New Data Source***

You must create a new data source to SQL Server from the workstation that has TestPartner installed. See [“Creating a Data Source Name for a SQL Server Database”](#) on page 42 for detailed instructions.

### ***Preparing the SQL Server TestPartner Database***

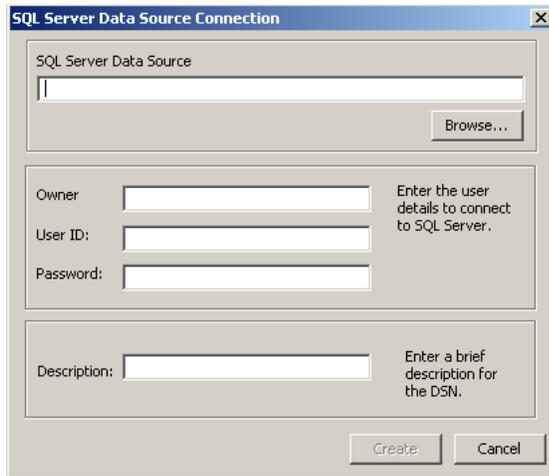
You must prepare your new SQL Server database for use with TestPartner. This section describes how to use the Database Maintenance utility to populate the database with TestPartner tables.

---

**Required:** SQL Server Authentication Mode must be set to: SQL Server and Windows (Mixed Mode) to allow connection to the SQL Server database through the Database Maintenance utility. This setting can be changed after any database maintenance tasks are performed.

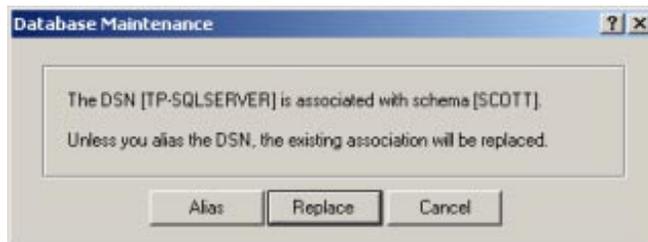
---

- 1 Start TestPartner’s Database Maintenance utility.
- 2 Click **File>New Database>SQL Server**. The SQL Server Data Source Connection dialog box appears.



- 3 Type the name of the new SQL Server data source or click the **Browse** button and select a data source name from the Select ODBC Data Source dialog box. Type the name of the database Owner, the SQL Server User ID, and Password. Click the **Create** button.

Only one schema can be associated with a DSN name (ODBC connection). If the chosen DSN name is already associated with a schema, a Database Maintenance dialog box appears:



- 4 Click the **Replace** button to change the association of the DSN name from its current schema to the new schema (users will no longer be able to access TestPartner tables in the old schema), or click the **Alias** button to create an alias for the DSN name, a DSN Alias Creation dialog box appears:



- 5 Type an alias name for the DSN, this alias will be associated with the current schema. Click **OK**.

The Data Source Creation Status dialog box appears and displays the progress of the database creation.

## ***Log on to TestPartner***

To test your setup, start TestPartner and log on. See [“Logging On and Starting TestPartner”](#) on page 48 for instructions.

## **Setting Up an Oracle Database with TestPartner**

This section describes how to set up an Oracle database with TestPartner.

**Note:** The following instructions assume familiarity with the Oracle database management system. Compuware recommends that a database administrator or a person with general knowledge of database administration performs database setup and configuration.

### ***Oracle Database Connection Requirements***

Each client computer requires an ODBC data source to connect to the database. As a result, connecting to an Oracle database for TestPartner has the following requirements:

- ◆ Each computer running TestPartner must be able to access the computer where the database resides.
- ◆ TestPartner must be installed on all computers that access the database.
- ◆ The appropriate database client connectivity software must be installed on any computer that runs TestPartner.
- ◆ The database connection must be configured for use with TestPartner. See [“Configuring a TestPartner Database Connection”](#) on page 48.

### ***Selecting an Authentication Method***

TestPartner supports the use of either Oracle OS authentication (Windows NT) or Oracle database authentication. There are additional installation procedures required when using Oracle OS authentication. For a complete list of installation procedures required when using either authentication method, refer to the appropriate subsection below.

#### **Oracle OS Authentication**

- 1 [“Creating a New Oracle Database”](#) on page 30
- 2 [“Setting Up Oracle OS Authentication”](#) on page 30
- 3 [“Setting Up the Oracle Client”](#) on page 31
- 4 [“Preparing the Oracle Database for Client Connectivity”](#) on page 32
- 5 [“Setting Up Users for TestPartner in Oracle”](#) on page 35
- 6 [“Creating the Password Authenticated Schema”](#) on page 36
- 7 [“Creating a New Data Source”](#) on page 37
- 8 [“Creating the Oracle TestPartner Database”](#) on page 37

## Oracle Database Authentication

- 1 “Creating a New Oracle Database” on page 30
- 2 “Setting Up the Oracle Client” on page 31
- 3 “Setting Up Users for TestPartner in Oracle” on page 35
- 4 “Creating the Password Authenticated Schema” on page 36
- 5 “Creating a New Data Source” on page 37
- 6 “Creating the Oracle TestPartner Database” on page 37

### Creating a New Oracle Database

Create a new Oracle database with character set UTF8 (and National Character Set UTF8 for Oracle 8i). Consult your Oracle documentation if creating an Oracle database is unfamiliar.

### Setting Up Oracle OS Authentication

**Note:** This procedure is only necessary if using Oracle OS authentication. If using Oracle database authentication, see “Setting Up the Oracle Client” on page 31.

On the server where the database is located:

- 1 Locate the Oracle Initialization file in the directory where Oracle was installed.
- 2 In the Oracle Initialization file, set values for the following parameters:

**Note:** If any of these parameters and values do not exist, add them.

```
remote_login_passwordfile = none
remote_os_authent = true
os_authent_prefix = ""
```

- 3 Locate the **SQLNET.ORA** file in the directory where Oracle was installed. The file should be located in **ORACLE\_HOME\Network\Admin** directory under the main Oracle installation directory where **ORACLE\_HOME** is the name assigned for the Oracle home during installation.
- 4 Open **SQLNET.ORA** and set the value of the following parameter to (NTS):

**Note:** If this parameter does not exist, add it.

```
sqlnet.authentication_services = (NTS)
```

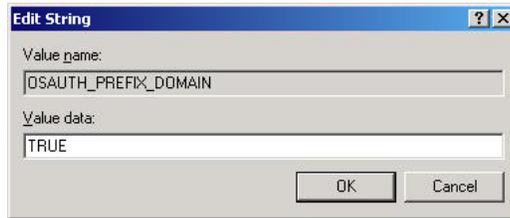
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**Required:** Ensure this parameter is not commented out with a # at the beginning of the line.

---

- 5 Access the **Run dialog box** from the Start menu.
- 6 In the **Open** field, type `regedit`. Click **OK**. The Registry Editor dialog box appears.

- 7 In the path **HKEY\_LOCAL\_MACHINE\SOFTWARE\ORACLE\HOME $n$**  (where  $n$  is the number associated with the Oracle installation), right-click **HOME $n$**  and choose **New>String Value**. A new string value appears in the right pane of the registry editor.
- 8 Replace the default name, **New Value #1**, with **OSAUTH\_PREFIX\_DOMAIN**.
- 9 Double-click the string value you just created. The Edit String dialog box appears:



- 10 In the Value data field, type **TRUE**. Click **OK**.

### Setting Up the Oracle Client

On the client computer from which you will connect:

- 1 Locate the **SQLNET.ORA** file in the directory where Oracle was installed. The file should be located in **ORACLE\_HOME\Network\Admin** directory under the main Oracle installation directory where **ORACLE\_HOME** is the name assigned for the Oracle home during installation.
- 2 Open **SQLNET.ORA** and set the value of the `sqlnet.authentication_services` as follows:

**Note:** If this parameter does not exist, add it.

```
sqlnet.authentication_services = (NTS)
```

---

**Required:** Ensure this parameter is not commented out with a `#` at the beginning of the line.

---

- 3 Open the **TNSNAMES.ORA** file in the directory where Oracle was installed. This file should be located in **ORACLE\_HOME\Network\Admin** directory.
- 4 Copy the server's database entry to the **TNSNAMES.ORA** file on the client computer. For example:

```
ORACLE_SID.DOMAIN.COM=
(DESCRIPTION=
(ADDRESS_LIST=
(ADDRESS=(PROTOCOL=TCP)(HOST=SERVERNAME)(PORT=1521))
)
(CONNECT_DATA=
(SERVICE_NAME=ORACLE_SID)
```

)  
)

### **Preparing the Oracle Database for Client Connectivity**

**Note:** This procedure is only necessary if you are using Oracle OS authentication. If you are using Oracle database authentication, see [“Setting Up Users for TestPartner in Oracle”](#) on page 35.

Use the following procedure to prepare an Oracle database for client connectivity.

**Note:** This procedure is only necessary if you are using an Oracle client to set up the TestPartner database.

---

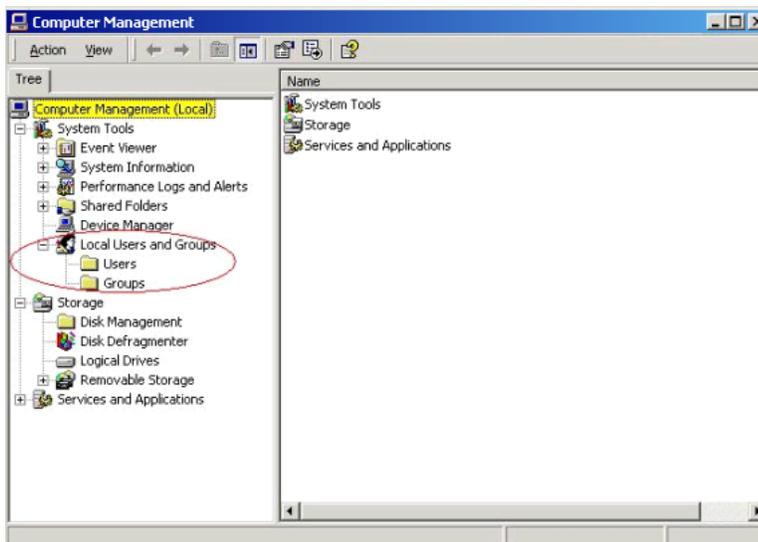
**Required:** You must be logged on using an ID with administrator privileges to perform these steps.

You must create users within a Windows NT domain. Refer to your Microsoft Windows documentation for more information about using a Windows domain.

These procedures are for the Windows XP operating system. To set up users in another operating system, consult your Windows documentation.

---

- 1 On the computer that has User Manager for Domains, access the **Control Panel**.
- 2 Select **Administrative Tools**.
- 3 Select **Computer Management**. The Computer Management utility window appears:



- 4 In the tree view, click **Local Users and Groups**.
- 5 Click **Groups**.

If Oracle is installed, you should see a group named **ORA\_DBA**. If not, add it using the following procedure:

Creating the ORA\_DBA group:

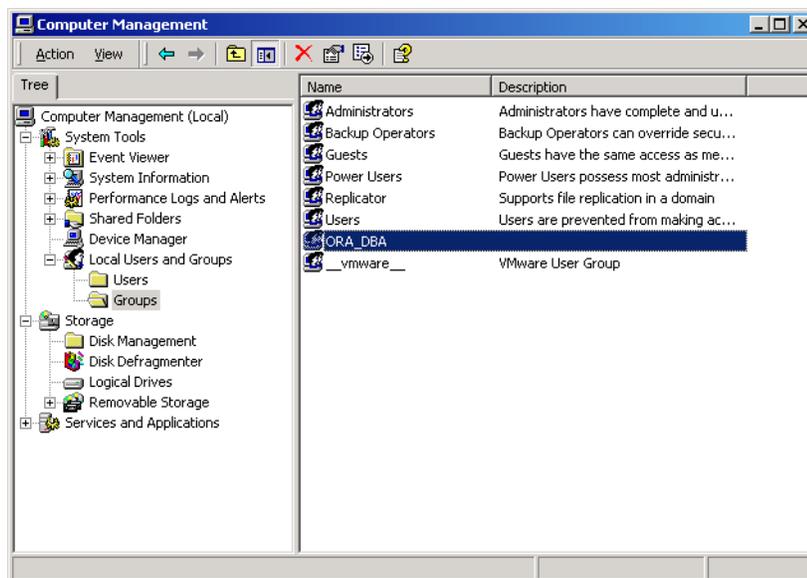
- 1 In the tree view of the Computer Management utility, right click **Groups** and choose **New Group**. The New Group dialog box appears.
- 2 In the **Group Name** field, type ORA\_DBA.
- 3 Click **Create**.
- 4 Click **Close**.

You are now ready to create server access for users.

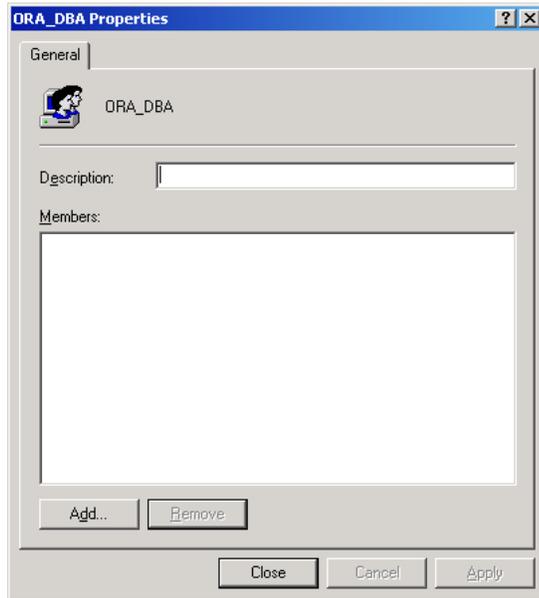
### Creating Server Access For Users

To create individual user accounts:

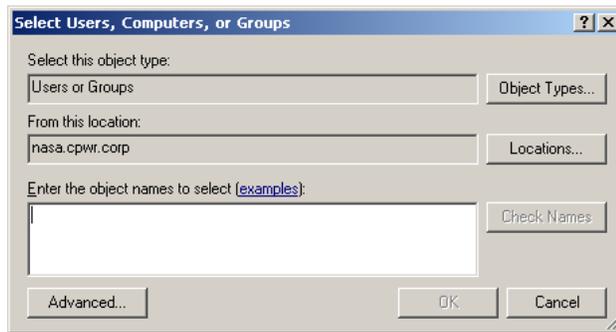
- 1 In the tree view of the Computer Management utility, click **Local Users and Groups**.
- 2 Click **Groups**.



- 3 In the right pane, double click **ORA\_DBA**. The ORA\_DBA Properties dialog box appears:



- 4 Click the **Add** button. The Select Users, Computers, or Groups dialog box appears:



- 5 Click **Advanced**, then use the Common Queries tab to search for users, click **Find Now** and select users from the list.

Or, click in the **Enter the object names to select** field and type:

domain name\user ID

Where:

domain name: The name of the domain where the user is located.

user ID: The network ID of the user you want to give access to.

- 6 Click **OK** to save the user information and return to the ORA\_DBA Properties dialog box.
- 7 Repeat [step 4–6](#) to create any additional user accounts.
- 8 When you are finished, click **OK** in the Users Properties dialog box to return to the Computer Management utility.

## Setting Up Users for TestPartner in Oracle

**Note:** This procedure is necessary when using either Oracle OS authentication or Oracle database authentication. Separate instructions are provided for each type of authentication. For Oracle OS authentication, see the subsection immediately after this note. For Oracle database authentication see the subsection, [“Oracle Database Authentication”](#) on page 36.

### Oracle OS Authentication

Users must be created in such a way that Oracle knows they are authenticated via a DOMAIN controller.

---

**Required:** When setting up users for TestPartner in Oracle, a schema must be also created to house the actual tables in addition to the remotely authenticated users. The schema is not domain authenticated, but is password authenticated. See [“Creating the Password Authenticated Schema”](#) on page 36 for instructions.

Users must be created within a Windows NT domain. Refer to your Microsoft Windows documentation for more information about using a Windows domain.

Users must be added to the ORA\_DBA group.

---

Use SQL\*Plus **or** SQL\*Plus **Worksheet** to create users. If you are not familiar with SQL\*Plus, consult your Oracle documentation.

The user performing these steps must be a member of the ORA\_DBA group and have SYSDBA privileges. To specify users that can access the Oracle database:

- 1 Start SQL\*Plus **or** SQL\*Plus **Worksheet**.
- 2 Log on as SYSTEM and connect as SYSDBA.
- 3 Type commands to create each user as "DOMAIN\USERNAME" IDENTIFIED EXTERNALLY, and grant connection rights for each user as "DOMAIN\USERNAME". Type **DOMAIN\USERNAME** in uppercase and between double quotation marks, where **DOMAIN\USERNAME** is each user's domain and user name. For example:

```
SQL> create user "NT-DOMAIN\JEFF" IDENTIFIED EXTERNALLY;
```

```
SQL> grant connect, resource to "NT-DOMAIN\JEFF";
```

**Note:** SELECT\_ANY\_SEQUENCE and SELECT\_CATALOG\_ROLE must also be granted to the user. For example:

```
SQL> grant select_any_sequence to "JEFF";
```

```
SQL> grant select_catalog_role to "JEFF";
```

---

**Required:** Microsoft operating systems return the DOMAIN\USERNAME when the user is queried. If this does not match what is defined in the database, NT authentication will fail with ORA-1017.

---

- 4 Test that Windows NT authentication is set up correctly by connecting to the database via SQL\*Plus. Type a "/" for the user name. Leave the **Password** field blank, and enter the host string appropriately. Click **OK**. If you are able to log on, Windows NT authentication is working properly.

**Note:** In the future, you do not need to create another Oracle TestPartner database to add users. You do not have to perform the procedures [“Creating a New Data Source”](#) and [“Creating the Oracle TestPartner Database”](#).

## Oracle Database Authentication

---

**Required:** When setting up users for TestPartner in Oracle, a schema must also be created to house the actual tables in addition to the remotely authenticated users. The schema is password authenticated. See [“Creating the Password Authenticated Schema”](#) on page 36 for instructions.

---

Use SQL\*Plus to create users. If you are not familiar with SQL\*Plus, consult your Oracle documentation.

The user performing these steps must be a member of the ORA\_DBA group and have SYSDBA privileges. To specify users that can access the Oracle database:

- 1 Start SQL\*Plus **or** SQL\*Plus **Worksheet**.
- 2 Log on as SYSTEM and connect as SYSDBA.
- 3 Type commands to create each user as "USERNAME" IDENTIFIED BY "ORACLE-PASSWORD", and grant connection rights for each user as "USERNAME". Type **USERNAME** in uppercase and between double quotation marks, where **DOMAIN\USERNAME** is each user's user name. For example:

```
SQL> create user "JEFF" IDENTIFIED BY "ORACLEPASSWORD";
```

```
SQL> grant connect, resource to "JEFF";
```

**Note:** SELECT\_ANY\_SEQUENCE and SELECT\_CATALOG\_ROLE must also be granted to the user. For example:

```
SQL> grant select_any_sequence to "JEFF";
```

```
SQL> grant select_catalog_role to "JEFF";
```

## Creating the Password Authenticated Schema

Perform the following steps to set up the password authenticated schema into which the TestPartner tables are stored.

**Note:** The password authenticated schema should not be more than five characters in length because of Oracle character limitations in SQL series.

- 1 Start SQL\*Plus or SQL\*Plus Worksheet if it is not started.
- 2 If you are not properly logged on, log on as SYSTEM and connect as SYSDBA.
- 3 Type commands to create each user as "USERNAME" IDENTIFIED AS "ORACLE-PASSWORD", and grant connection rights for each user as "USERNAME". Type **USERNAME** in uppercase and between double quotation marks, where **USERNAME** is each user's user name. For example:

```
SQL> create user "TOM" IDENTIFIED AS "ORACLEPASSWORD";
```

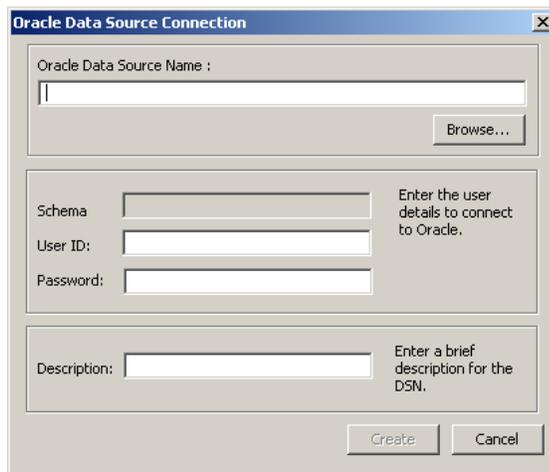
```
SQL> grant connect, resource to "TOM";
```

### Creating a New Data Source

You must create a new data source to Oracle. See [“Creating a Data Source Name for an Oracle Database”](#) on page 45 for detailed instructions.

### Creating the Oracle TestPartner Database

- 1 Start the TestPartner Database Maintenance utility.
- 2 Click **File>New Database>Oracle**. The Oracle Data Source Connection dialog box appears.



- 3 Type the name of the new Oracle data source or click the **Browse** button and select a data source name from the Select ODBC Data Source dialog box. Type a User ID, Password, and a brief description of the DSN. The Schema field is filled in automatically with the same information as the User ID. Click the **Create** button.

### Log on to TestPartner

To test your setup, start TestPartner and log on. See [“Logging On and Starting TestPartner”](#) on page 48 for instructions.

## Setting Up SQL Server or Oracle for TestPartner Without a Domain

**Note:** This procedure only applies when using Windows NT authentication.

Compuware strongly recommends that you use authentication within a domain when setting up an Oracle or SQL Server database with TestPartner. However, if you are not on a domain, it is still possible to set up these databases.

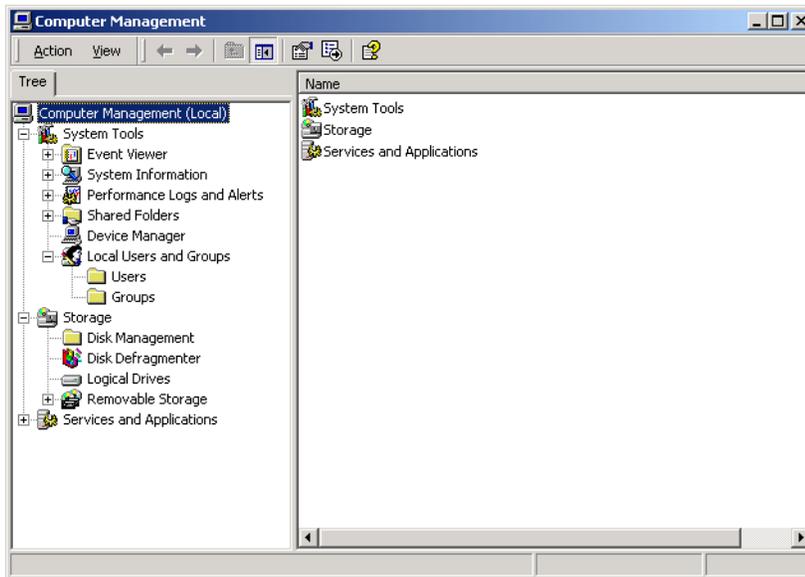
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**Required:** To begin, you **must** create a user on **both** the client and the server computers.

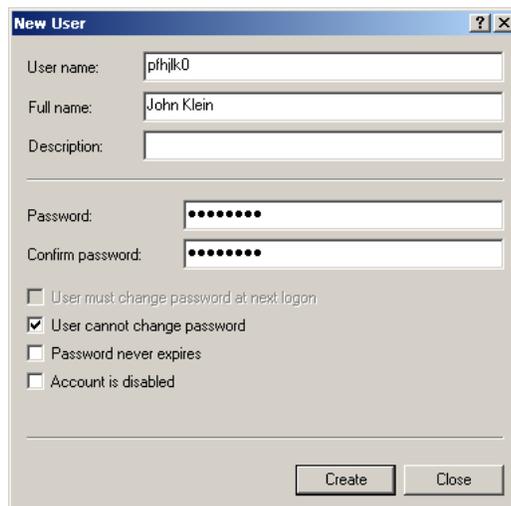
---

To create a user, follow these procedures:

- 1 Right-click on **My Computer** and select **Manage**. The Computer Management utility appears.



- 2 In the left pane, click **Local Users and Groups**.
- 3 Under **Local Users and Groups**, right-click the **Users** folder and select **New User**. The New User dialog box appears:

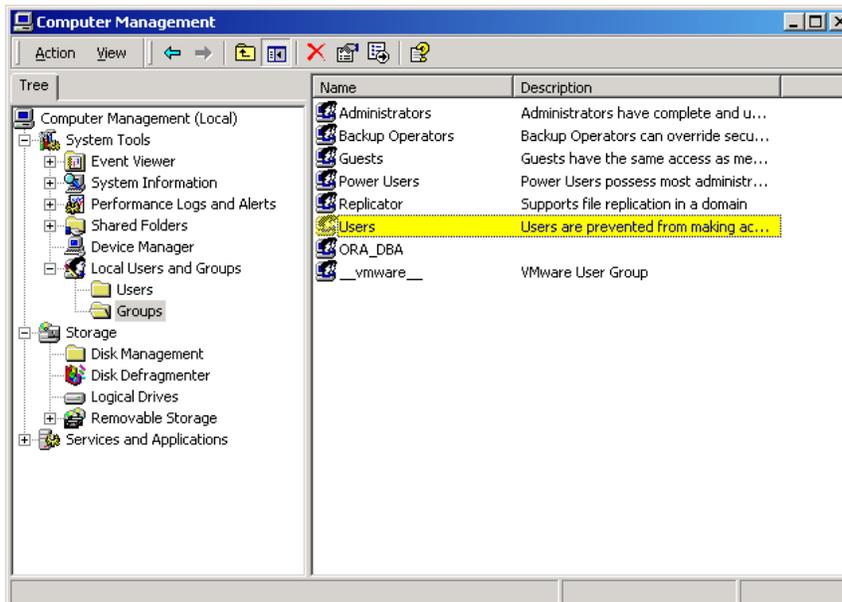


- 4 Type a valid user name in the **User name** field, and the corresponding user's full name in the Full Name field.
- 5 Type a valid password in both the **Password** and **Confirm** password fields. Click the **Create** button.
- 6 Repeat these steps on each client computer using the username and password.

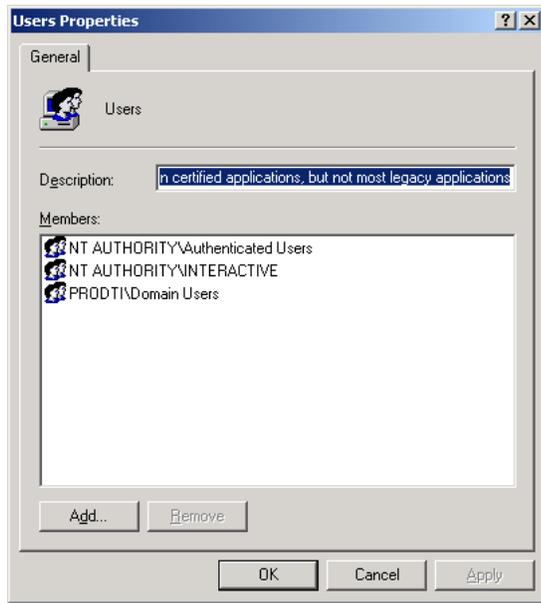
### **Setting Up SQL Server for TestPartner without a Domain**

To set up SQL Server for TestPartner without a domain:

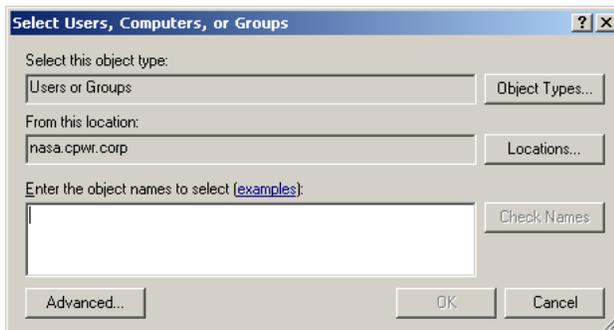
- 1 On the server computer, right-click on **My Computer** and select **Manage**. The Computer Management utility appears.
- 2 In the tree view, click **Local Users and Groups**.
- 3 Click **Groups**.



- In the right pane, double click **Users**. The Users Properties dialog box appears:



- Click the **Add** button. The Select Users, Computers, or Groups dialog box appears.



- Click **Advanced**, then use the Common Queries tab to search for users, click **Find Now** and select users from the list.

Or, click in the **Enter the object names to select** field and type:

[user ID],

where [user ID] is the user you want to give access to.

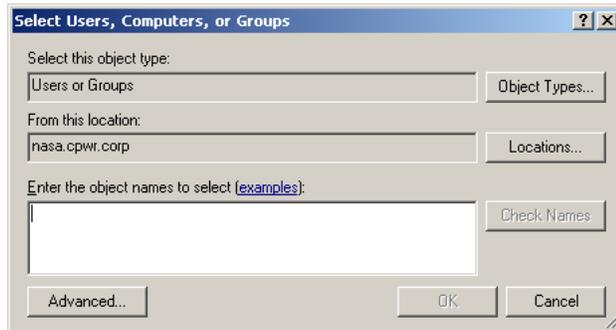
- Click **OK** to save the user information and return to the Users Properties dialog box.
- Repeat [step 5–7](#) to create any additional user accounts.
- When you are finished, click **OK** in the Users Properties dialog box to return to the Computer Management utility.
- Close the Computer Management utility.

## Setting Up Oracle for TestPartner without a Domain

To set up Oracle for TestPartner without a domain, follow the procedures for “[Creating Server Access For Users](#)” on page 33 with the following exceptions:

Substitute the user name you created under, “[Setting Up SQL Server or Oracle for TestPartner Without a Domain](#)” on page 37 as shown in [step 1](#) below:

Figure 2-1. Select Users, Computers, or Groups Dialog Box



- 1 Click in the **Enter the object names to select** field ([Figure 2-1](#)) and type [user name] instead of [domain name]\[user ID] or [domain name]\[group name].

In addition, when using SQL\*Plus to create users see [step 3](#) on [page 35](#), substitute **COMPUTER-NAME\USERNAME** for **DOMAIN\USERNAME** as shown below:

- 2 Create the user as "[COMPUTERNAME]\USERNAME" IDENTIFIED EXTERNALLY, entering the **COMPUTERNAME\USERNAME** in uppercase and between "" like the following example:

```
SQL> create user "FH0002RED\USER1" IDENTIFIED EXTERNALLY;
```

```
SQL> grant connect, resource to "FH0002RED\USER1";
```

## Creating a Data Source Name

On each computer that is connecting to the TestPartner SQL Server, Access, or Oracle database, you must create a data source name (DSN) using the ODBC utility if the TestPartner.

**Note:** This does apply to SQL Server 2005 Express and Access databases installed by the TestPartner installer. For these databases, a data source name is automatically created.

The ODBC utility can be accessed from the Windows Control Panel.

---

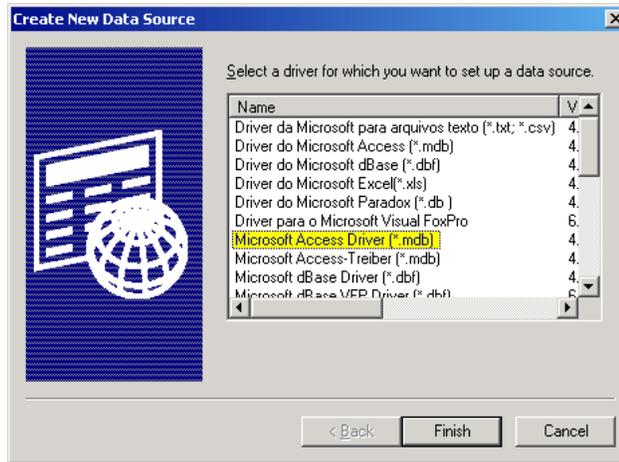
**Required:** These procedures are for the Windows 2000 operating system. To set up users in another operating system, consult your Windows documentation.

---

## Creating a Data Source Name for an Access Database

On each client computer connecting to an Access database, perform the following steps to set up a DSN:

- 1 Access the **Control Panel**, and then select **Administrative Tools>Data Sources (ODBC)**. The ODBC Data Source Administrator dialog box appears.
- 2 Click the **System DSN** tab, then click the **Add** button. The Create New Data Source dialog box appears:



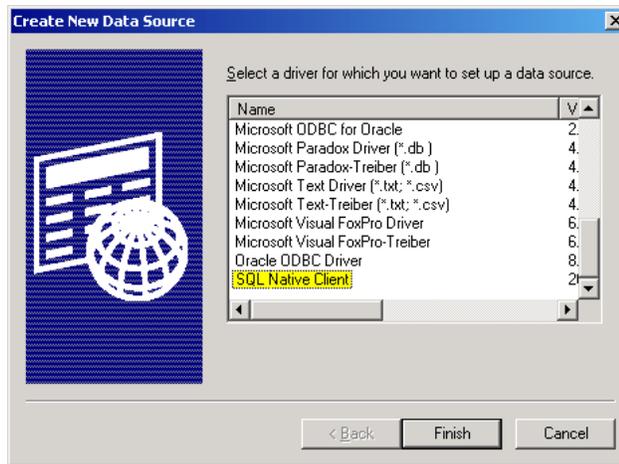
This dialog box lists the available ODBC drivers.

- 3 From the list of drivers, select the Microsoft Access Driver and click the **Finish** button. The ODBC Microsoft Access Setup dialog box appears.
- 4 In the **Data Source Name** field, type the data source name. Since this name appears as the database name in TestPartner's logon screen, it is recommended you enter a logical name in this field.
- 5 In the **Description** field, type a description for the data source. For example, Connection to TestPartner Access database.
- 6 Click the **Select** button and browse for your Access database.
- 7 On the ODBC Microsoft Access Setup dialog box, click **OK**.
- 8 Click **OK on the ODBC Administrator dialog box**.

### ***Creating a Data Source Name for a SQL Server Database***

On each client computer, perform the following steps to set up a DSN:

- 1 Access the **Control Panel**, and then select **Administrative Tools>Data Sources (ODBC)**. The ODBC Data Source Administrator dialog box appears.
- 2 Click the **System DSN** tab, then click the **Add** button. The Create New Data Source dialog box appears:



This dialog box lists the available ODBC drivers.

- 3 From the list of drivers, select **SQL Native Client** and click the **Finish** button. The Create a New Data Source to SQL Server dialog box appears.
- 4 In the **Name** field, enter the data source name. Since this name appears as the database name in TestPartner's logon screen, it is recommended you enter a logical name in this field.
- 5 In the **Description** field, enter a description for the data source. For example, Connection to TestPartner SQL database.
- 6 In the **Server** field, enter the server name or select it from the drop-down list. If you do not know the server name, consult your database administrator.
- 7 Click the **Next** button. The Create a New Data Source to SQL Server dialog box appears.
- 8 Do one of the following:
  - ◇ If user(s) using the DSN to access the SQL Server database are connecting with native authentication, select the **With SQL Server authentication using a login ID and password entered by the user option**.

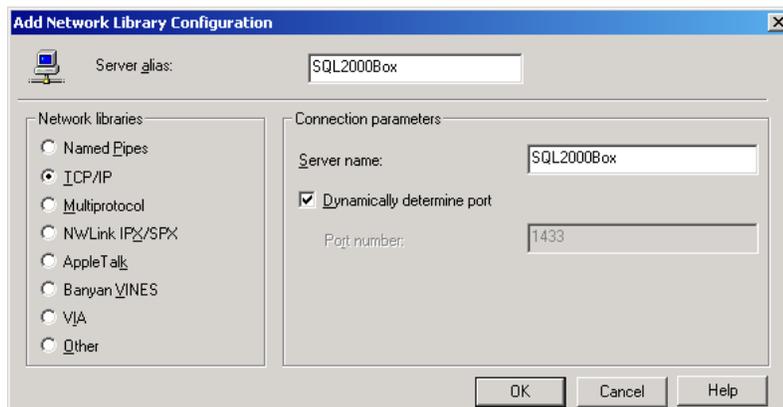
Make sure the Connect to SQL Server to obtain the default settings for the additional configuration options check box is selected.

Type the users native SQL Server logon credentials in the Login ID and Password fields.

or

- ◇ If user(s) using the DSN to access the SQL Server database are connecting with non-native credentials, select the **With Windows NT authentication using the network login ID option**.

- 9 Click the **Client Configuration** button. The Add Network Library Configuration dialog box appears:



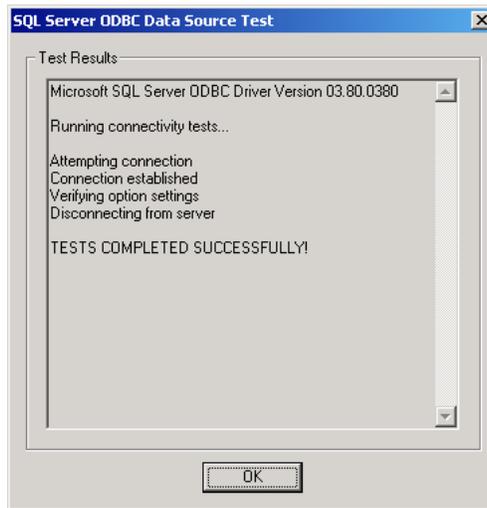
Ensure that the appropriate network library protocol is selected. If necessary, consult your network administrator to verify the correct network protocol.

- 10 Click **OK** to exit. You are returned to the Create a New Data Source to SQL Server dialog box.
- 11 Click **Next**.
- 12 Select the **Change the default database to** check box, then select your TestPartner database name from the drop-down list.
- 13 Accept all the other entries and click the **Next** button until the last panel in the wizard appears.
- 14 Accept the defaults and click the **Finish** button. The ODBC Microsoft SQL Server Setup window appears.

## Testing the Connection

Once the connection to the database is established, use the following procedure to test the connection:

- 1 In the ODBC Microsoft SQL Server Setup window, click the **Test Data Source** button. You should see the following:



- 2 Click **OK**. The ODBC Microsoft SQL Server Setup window displays.

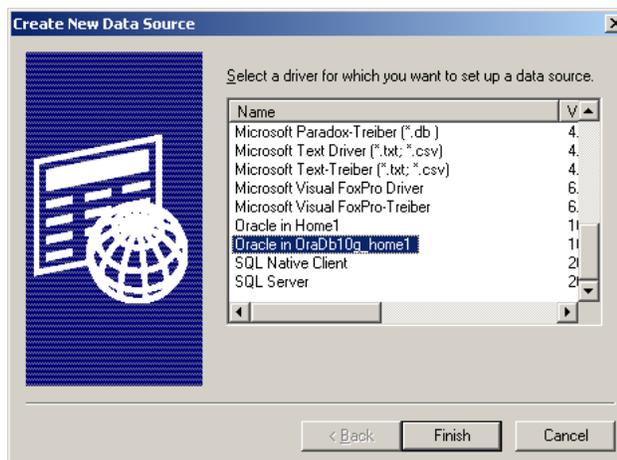
**Note:** If your test results fail, you need to check your setup steps again.

- 3 Click **OK**. The ODBC Data Source Administrator window displays. The newly created data source appears in the System Data Sources list.
- 4 Click **OK** to close the ODBC utility.

### ***Creating a Data Source Name for an Oracle Database***

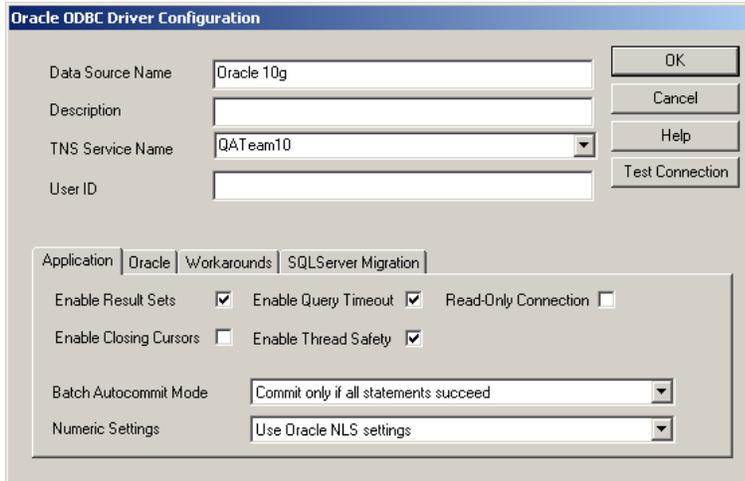
On each client computer connecting to an Oracle database, perform the following steps to set up a DSN:

- 1 Access the **Control Panel**, and then select **Administrative Tools>Data Sources (ODBC)**. The ODBC Data Source Administrator dialog box appears.
- 2 Click the **System DSN** tab, then click the **Add** button. The Create New Data Source dialog box appears:



- From the list of drivers, select the appropriate Oracle ODBC driver for the version of Oracle database being used (not the Microsoft ODBC for Oracle driver) and click the **Finish** button.

The Oracle ODBC Driver Configuration dialog box appears. The following shows the dialog box for Oracle 10.2.0.



- In the **Data Source Name** field, type the data source name. Since this name appears as the database name in TestPartner's logon screen, it is recommended you enter a logical name in this field.
- In the **Description** field, type a description for the data source. For example, Connection to TestPartner Oracle database.
- In the **TNS Service Name** field, select the service name for the database you would like to connect to in the format `ORACLE_SID.DOMAIN`, where `ORACLE_SID` is the Oracle SID you assigned to the database upon creation and `domain` is the domain that you are connecting to.
- If using Oracle authentication, type a valid user ID for the database being connected to in the **User ID** field. Otherwise, leave the **User ID** field blank.
- Test the connection. See [“Testing the Connection”](#) below. Otherwise, click **OK**.

## Testing the Connection

- On the Oracle ODBC Driver Configuration dialog box, click the **Test Connection** button.

**Note:** When using Oracle database authentication, type a username, and then a password. For Oracle OS authentication, do not specify a username.

A message box appears stating the connection was successful.

- Click **OK** to close the message box. The Data Source name creation is complete.

## Migrating TestPartner Objects from a Standard Character Set to UTF8 (for Unicode)

Compuware recommends that an Oracle DBA or someone familiar with Oracle export and import utilities perform the following task. For databases larger than 2GB, the DBA should select appropriate parameters based on the size of the database.

Oracle databases for TestPartner releases 05.03 and later require a UTF8 character set. In order to support a TestPartner database previously created in an Oracle instance with a standard character set, the database must be exported from the standard database and imported into an Oracle instance created with a UTF8 character set.

---

**Caution: If the schema from which the TestPartner objects are being exported contains more than just TestPartner objects, it is recommended (required if the schema is SYSTEM) that the TestPartner objects be transferred to a new schema using the TestPartner Database Maintenance Utility 05.02.00 (or older) Oracle-to-Oracle Copy Utility. The objects can be then exported from the new schema.**

---

To perform the migration:

- 1 Start a command prompt and change the directory to `$ORACLE_HOME/bin`. This directory should contain both `exp.exe` and `imp.exe`. `Exp.exe` will be used to perform the export, `imp.exe` will be used to perform the import.

---

**Caution: Before exporting, be sure there is sufficient disk space. If there is not enough space, export will end in a write failure.**

---

- 2 Type `SET ORACLE_SID=MYSID` into the command prompt, where `MYSID` is the SID of the Oracle instance, and press **Enter**.
- 3 Type `EXP USERNAME/PASSWORD FILE=EXPORT.DMP LOG=EXPORT.LOG CONSISTENT=Y` into the command prompt, where **USERNAME** is the name of the schema to export and **PASSWORD** is the password for the schema. Press **Enter** to start the export.

**Note:** To perform the export without knowing the user's password, instead execute it as the system user. Type `EXP SYSTEM/PASSWORD FILE=EXPORT.DMP LOG=EXPORT.LOG CONSISTENT=Y OWNER=USER1` into the command prompt, where **PASSWORD** is the system user password and **USER1** is the owner of the schema to export.

- 4 Create a new Oracle database with character set UTF8 (and National Character Set UTF8 for Oracle 8i). Consult your Oracle documentation if creating an Oracle database is unfamiliar.
- 5 Create a new user in the new Oracle instance and grant them `CONNECT`, `RESOURCE`, and `SELECT_CATALOG_ROLES` privileges.
- 6 Start the TestPartner Database Maintenance Utility.

- 7 Click **Tools>Create UTF8 Migration Database**, the Oracle Data source Connection dialog displays.
  - 8 Browse to the new Oracle instance with the UTF8 character set for the **Oracle Data Source Name** field and fill in the **User ID** and **Password** fields with the new schema (the **Description** field is optional). Click **OK** (steps identical to the steps in [Creating the Oracle TestPartner Database](#) may have to be followed in order to complete this step).
  - 9 Return to the command prompt and type `SET ORACLE_SID=MYSID`, where **MYSID** is the SID of the UTF8 Oracle instance, and press **Enter**.
  - 10 Type `IMP USERNAME/PASSWORD FILE=EXPORT.DMP LOG=IMPORT.LOG IGNORE=Y` into the command prompt, where **USERNAME** is the name of the schema to import into and **PASSWORD** is the password for the schema. Press **Enter** to start the import.
- Note:** To perform the import without knowing the user's password, instead execute it as the system user. Type `IMP SYSTEM/PASSWORD FILE=EXPORT.DMP LOG=IMPORT.LOG FROMUSER=USER1 TOUSER=USER1 IGNORE=Y` into the command prompt, where **PASSWORD** is the system user password and **USER1** is the owner of the schema that was exported and **FROMUSER** and **TOUSER** are identical.

## Logging On and Starting TestPartner

Use the following procedure to launch TestPartner and log on to TestPartner.

- 1 Select TestPartner from the Start menu. The TestPartner splash screen appears, followed by the TestPartner **Logon** dialog box.
- 2 Type a user name in the **User Name** field and type a password in the **Password** field.

If using TestPartner for the first time, an administrative user name and password may be required. The default user name is **Admin** and the default password is **admin**. Change this password after logon to prevent unauthorized access.

*Tip:* You can click **Tools>Change Password** to change your own TestPartner logon password at any time.

- 3 Select the TestPartner database to work with from the **Database** list.

If a database does not appear in the **Database** list, you must configure its database connection for use with TestPartner. To configure a database connection, click the **Configure** button in TestPartner. See [“Configuring a TestPartner Database Connection”](#) on page 48.

- 4 Click **OK**. The TestPartner Start Screen appears.

## Configuring a TestPartner Database Connection

Before you can use a database with TestPartner, its database connection must be configured. The configuration process consists of using the **Configure Data Source** dialog box to perform the following tasks:

- ◆ Specify the database connection data
- ◆ Verify the connection to the database
- ◆ Save the database connection data

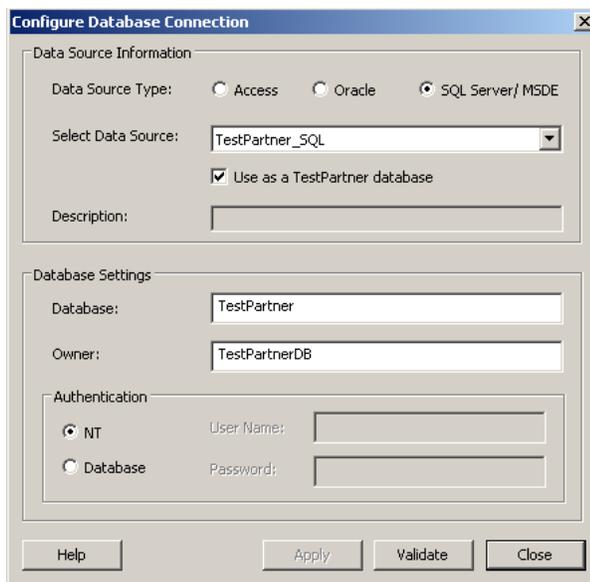
All configured database connections appear in the **Database** list on the TestPartner **Logon** dialog box.

You can also use the **Configure Data Source** dialog box to view, edit, and remove any existing configured database connections.

Use the following procedure to configure a TestPartner database connection.

- 1 Click the **Configure** button on the TestPartner **Logon** dialog box. The **Configure Database Connection** dialog box appears.

Figure 2-2. TestPartner's Configure Database Connection Dialog Box



- 2 In the **Data Source Type** field, select the type of data source.
- 3 From the **Select Data Source** list, select from the list of available DSNs.
- 4 Select the **Use as a TestPartner database** check box to add the selected DSN to the list of configured database connections that appear in the **Database** list on TestPartner **Logon** dialog box. You must select this check box when configuring a database connection for the first time.

**Note:** For existing configured database connections, clearing the **Use as a TestPartner database** check box and clicking the **Apply** button removes the selected DSN from the **Database** list on the TestPartner **Logon** dialog box. TestPartner does not retain the associated database connection data.

- 5 Under **Database Settings**, specify the appropriate information for the selected DSN. The **Database/Server** and **Owner/Schema** fields function differently depending on the selected data source type.



## Chapter 3

# Maintaining the Installation

- ◆ [Accessing Maintenance Mode](#)
- ◆ [Modifying an Installation](#)
- ◆ [Repairing an Installation](#)
- ◆ [Removing a Product](#)

### Accessing Maintenance Mode

---

**Required:** Compuware recommends that you exit all non-essential Windows programs before running this setup program. Some Windows programs may interfere with the installation process.

---

To access Maintenance Mode from the Windows Control Panel:

- 1 Click the Windows **Start** button and choose **Settings>Control Panel**. The Control Panel window appears.
- 2 Click the **Add/Remove Programs** icon. The Add/Remove Programs dialog box appears. Select **Compuware TestPartner** and click the **Change** button. The **TestPartner** installation wizard appears and displays the **Welcome** page.
- 3 Click **Next**. The **Program Maintenance** page appears.

From this page of the wizard, you can access the three maintenance mode options: **Modify**, **Repair**, and **Remove**. For more information about these options, see the appropriate section in this chapter. “[Modifying an Installation](#)” on page 51

### Modifying an Installation

Rather than uninstall and re-install the product, you can modify a TestPartner installation by adding or removing an optional component.

#### Modifying Products With Optional Components

- 1 Access maintenance mode using the method described at the beginning of this chapter.
- 2 Select the **Modify** option. Click **Next**. The Select Components dialog box appears allowing you to add or remove components.
- 3 Click **Next**. Setup adds or removes the appropriate components.

- 4 After modifying, you may be prompted to restart your computer. If you are prompted to restart your computer, you can choose to restart it now (recommended) or to restart it later.
- 5 Click **Finish** to complete the maintenance.

## Repairing an Installation

There may be times when you need to repair a damaged TestPartner installation. This could be due to an inadvertent deletion or corruption of the program. To repair a TestPartner installation:

- 1 Access maintenance mode using the method described in “Accessing Maintenance Mode” at the beginning of this chapter.
- 2 Select the **Repair** option. Click **Next**. Setup repairs the TestPartner installation.
- 3 After repairing, you may be prompted to restart your computer. If you are prompted to restart the computer, you can choose to restart it now (recommended) or to restart it later.
- 4 Click **Finish** to complete the maintenance.

## Removing a Product

If you want to remove a TestPartner installation from your computer, follow these steps:

- 1 Access maintenance mode using the method described at the beginning of this chapter.
- 2 Select the **Remove** option. Click **Next**. The **Remove the Program** page appears.
- 3 Click **Remove**. Setup removes the TestPartner installation, but does not delete the TestPartner database.
- 4 After uninstalling, you may be prompted to restart your computer. If you are prompted to restart your computer, you may choose to restart it now (recommended) or to restart it later.
- 5 Click **Finish** to complete the maintenance.

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