TestPartner

Installation Guide

Release 6.3

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CHAPTER 1

Introduction

Who Should Read This Guide

The *TestPartner Installation Guide* is intended for administrators who are installing TestPartner. For reference and usage information, refer to the *TestPartner Help*, which is installed with the product.

How to Use This Guide

The *TestPartner Installation Guide* includes system requirements and instructions for installing the TestPartner application.

Related Publications

The TestPartner documentation set includes the following publications:

TestPartner Installation Guide
: Provides system requirements and instructions for installing TestPartner. It also details basic setup and how to create, configure, and connect to a TestPartner database.

TestPartner Release Notes
: Contains information about the latest product features, as well as information about any known issues or other technical information about TestPartner.

TestPartner Help
: Provides TestPartner product usage information, tutorials, and the TestPartner language reference.

Distributed License Management Installation Guide
: Provides instructions for licensing TestPartner.

Getting Help

If ever you have any problems or you would like additional technical information or advice, there are several sources. In some countries, product support from Micro Focus may be available only to customers who have maintenance agreements.

If you obtained this product directly from Micro Focus, contact us as described below. If you obtained it from another source, such as an authorized distributor, contact them for help first. If they are unable to help, contact us as described below.

However you contact us, please try to include the information below, if you have it. The more information you can give, the better Customer Care can help you. But if you don't know all the answers, or you think some are irrelevant to your problem, please give whatever information you have.

- The name, release (version), and build number of the product.
- 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 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 Micro Focus client, office, or site number, if available.

Contact

Our web site gives up-to-date details of contact numbers and addresses. To connect, enter *www.microfocus.com* in your browser to go to the Micro Focus home page, or go to *http://supportline.microfocus.com*.

CHAPTER 2

Getting Started

Installation Types

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

Initial Installation

A first-time installation of a product on your computer.

Upgrade

You can upgrade a currently installed TestPartner 6.1 or 6.2 release. For earlier versions of TestPartner, you must uninstall, and then perform an initial installation.

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.

Repair

A repair installation may be necessary due to a corruption of a program or the inadvertent deletion of the product.For more information, see Repairing a TestPartner Installation [p. 43].

Remove

A remove or uninstall removes all the components of a product.For more information, see Removing a TestPartner Installation [p. 44].

Before Installing

Prior to installation, carefully review the following information:

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 the product documentation.

Release Notes can be viewed from the installation media or on SupportLine (*http://supportline.microfocus.com*), the Micro Focus Customer Care web site. The *Release Notes* on SupportLine are periodically updated as new information becomes available.

System Requirements

Review the system requirements to ensure that the system meets the prerequisites for the successful installation and operation of the product. System requirements are listed in the *Release Notes* as well as in the *Installation Guide*. For more information, see System Requirements [p. 8].

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 7 Professional, Enterprise, and Ultimate (32-bit & 64-bit) Editions
- Microsoft Windows Vista Business, Enterprise, and Ultimate SP1, SP2 (32-bit) Editions
- Microsoft Windows XP Professional SP3 (32-bit)
- Microsoft Windows Server 2008 Standard and Enterprise SP1, SP2, and R2 (32-bit & 64-bit) Editions
- Microsoft Windows Server 2003 Standard and Enterprise SP1, SP2, and R2 (32-bit) Editions

Browser

- Microsoft Internet Explorer 8.0
- Microsoft Internet Explorer 7.0
- Microsoft Internet Explorer 6.0 SP3
- Mozilla Firefox 3.5
- Mozilla Firefox 3.0

Database

- Microsoft SQL Server 2008 SP1; Prerequisites include MDAC 2.8 (2.80.1022.3), .NET Framework 2.0, Windows Installer 3.1
- Microsoft SQL Server 2008 Express Edition SP1 (for up to 5 users); Prerequisites include MDAC 2.8 (2.80.1022.3), .NET Framework 2.0, Windows Installer 3.1

- Microsoft SQL Server 2005 SP3; Prerequisites include MDAC 2.8 (2.80.1022.3), .NET Framework 2.0, Windows Installer 3.1
- Microsoft SQL Server 2005 Express Edition SP3 (for up to 5 users); Prerequisites include MDAC 2.8 (2.80.1022.3), .NET Framework 2.0, Windows Installer 3.1
- Microsoft Access 2000 (as a single-user database)
- Oracle 11.1, 10.2, or 10.1 RDBMS database on Microsoft or Unix/Linux platforms

Other Software

- Microsoft Visual Basic for Applications (6.5.1048, 6.5.1040, 6.5.1032); TestPartner installs 6.5.1032.
- 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*)
- Additional resources may be required for testing tools and the application under test

Integrated Products Requirements

- QADirector 5.3.1, 6.0, 6.0.1, 6.1
- QALoad 5.7, 5.8, 5.9
- QARun 4.9.1 SP2

Input Method Editor (IME) Support

TestPartner supports the following IMEs for the listed input systems.

Table 1. Japanese Input System

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

Table 2. Korean Input System

Description	File Name	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	
MS-IME (8.0.6000.0)	`N/A`			X

Table 3. Simplified Chinese Input System

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

Table 4. Traditional Chinese Input System

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

Installing a License

A trial license is supplied with your product. 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 Micro Focus installation media.

CHAPTER 3

Installing TestPartner

Installation Overview

This section explains the installation process for TestPartner. Before proceeding with the TestPartner installation, please review the system requirements to ensure that TestPartner installs and operates properly on your computer. For more information, see System Requirements [p. 8].

Micro Focus 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. For more information, see Before Installing [p. 7].

IMPORTANT

Micro Focus 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 6.1 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.

Installing TestPartner

To install TestPartner, perform the following steps:

1. From the Micro Focus 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, select the option to accept the terms, and 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 `<INSTALL_DIR>:\Program Files\Micro Focus\TestPartner` (where `<INSTALL_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 any additional features to install, and then click **Next**. Choose from the following features:
   - **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.

     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 the SAP GUI for Windows 6.20, 6.40 or 7.10 installed to enable the eCatt integration feature. For more information about configuring SAP for use with TestPartner, refer to the *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 **Micro Focus 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.

8. 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.
9. Click **Finish** to complete the installation of TestPartner. Optionally, select the **Visit Micro Focus SupportLine for Product News and Technical Alert** box to open a browser and display the SupportLine home page.

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

Where to Go Next

A trial license is supplied with your product. 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 Micro Focus installation media.

Configuring a TestPartner Database

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.

Additionally, to use SQL Server 2005 Express in a multi-user environment, there are other configuration requirements.

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.

Silent Installation Overview

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.

IMPORTANT

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

Silent Installation Prerequisites

Before performing a silent installation of TestPartner, you must install the following prerequisites on each target installation computer. The installation commands to run each executable from the Micro Focus 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 6.5. When installing TestPartner on Windows Vista, you must be logged in as an administrator. For Windows 7, you must be logged in using the built-in Administrator Account.

VBA 6.5 (6.5.1032)

```
//Install Visual Basic for Applications (Core, Components & Merge Modules)
msiexec.exe /i "<SRCDIR>\requirements\vba\Visual Basic for Applications SDK.msi"
/q ADDLOCAL="VBASDK_Core_Release,VBASDK_Components,VBASDK_MergeModules"
REBOOT=ReallySupress

//Install Visual Basic for Applications (Multi-Language)
msiexec.exe /i <SRCDIR>\requirements\vba\ProgramFilesFolder\VBA6SDK\VBA\Release\
VBAOF11.msi /q REBOOT=ReallySupress

//Install Visual Basic for Applications (English)
msiexec.exe /i <SRCDIR>\requirements\vba\ProgramFilesFolder\VBA6SDK\VBA\Release\
1033\VBAOF11I.msi /q REBOOT=ReallySupress
```

.NET 2.0 Framework

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

MDAC 2.8 (2.80.1022.3)

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

Windows Installer 3.1 or 4.0

```
<INSTALL_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

```
<INSTALL_DIR>\requirements\SQLEXPR32.EXE /qn ADDLOCAL=SQL_Data_Files
INSTANCENAME=QACInst SECURITYMODE=SQL SAPWD=qacenter SQLBROWSERAUTOSTART=1
DISABLENETWORKPROTOCOLS=2
```

SQL Server Management Studio Express (optional)

```
msiexec.exe /i <INSTALL_DIR>\requirements\SQLServer2005_SSMSEE.msi /q
```

SQL Native Client (optional - 2005 version)

```
msiexec.exe /i <INSTALL_DIR>\requirements\sqlncli.msi /q
REBOOT=ReallySupress APPGUID={279FBA4C-035F-4B82-82E3-C670B26D2D15}
```

Microsoft Visual C++ 2005 SP1 Redistributable Package (x86)

```
<INSTALL_DIR>\requirements\vcredist_x86.exe /q:a
```

NOTE

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

Performing a Silent Installation

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.

Silent Install Command Example

As an example, the command for a basic, silent 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 Silent Installations

TestPartner provides the following customized public properties from which you can use to silently install additional TestPartner features.

INSTALLLEVEL

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.

The available TestPartner features and values are:

- Core = 1
- SQL_Server_2k5_Exp_Ed = 50
- SAP_eCATT_Integration = 175
- VSTS_Client_Integration = 200
- VSTS_Remote_Integration = 225

"Core" specifies a base installation of TestPartner with Access 2000 installed as the default database. "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.

As an example, to install the SAP eCatt integration, a SQL Server 2005 Express database, and the base installation features:

```
msiexec /i msi\TestPartner.msi /qn INSTALLLEVEL=175
```

To install all features:

```
msiexec /i msi\TestPartner.msi /qn INSTALLLEVEL=225
```

ADDLOCAL

Specifies installation features by name. Each feature is assigned a name. A feature is installed only if its name is specified.

The available TestPartner features listed by name are:

- Core
- SQL_Server_2k5_Exp_Ed
- SAP_eCATT_Integration
- VSTS_Client_Integration
- VSTS_Remote_Integration

"Core" specifies a base installation of TestPartner with Access 2000 installed as the default database. "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.

As an example, to install the SAP eCatt integration in addition to the base installation features:

```
msiexec /i msi\TestPartner.msi /qn ADDLOCAL="Core, SAP_eCATT_Integration"
```

To install all features:

```
msiexec /i msi\TestPartner.msi /qn ADDLOCAL=”Core, SQL_Server_2k5_Exp_Ed,
SAP_eCATT_Integration, VSTS_Client_Integration, VSTS_Remote_Integration
```

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.

CHAPTER 4

Configuring a TestPartner Database

Configuring a SQL Server Database Overview

IMPORTANT

Micro Focus recommends that a database administrator or person with general knowledge of database administration performs the database setup and configuration.

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

- SQL Server 2008
- SQL Server 2005
- SQL Server 2005 Express

A SQL Server database configured for use with TestPartner has the following requirements:

- Each computer running TestPartner must be able to access the computer where the SQL Server database resides and have a new data source configured. For more information, see Creating a Data Source Name for a SQL Server Database [p. 36]. .
- TestPartner must be installed on all computers accessing the database.
- The database connection must be configured for use with TestPartner. For more information, see Configuring a TestPartner Database Connection [p. 40].

For SQL Server 2005 Express, the following configuration requirements are automatically performed 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”.

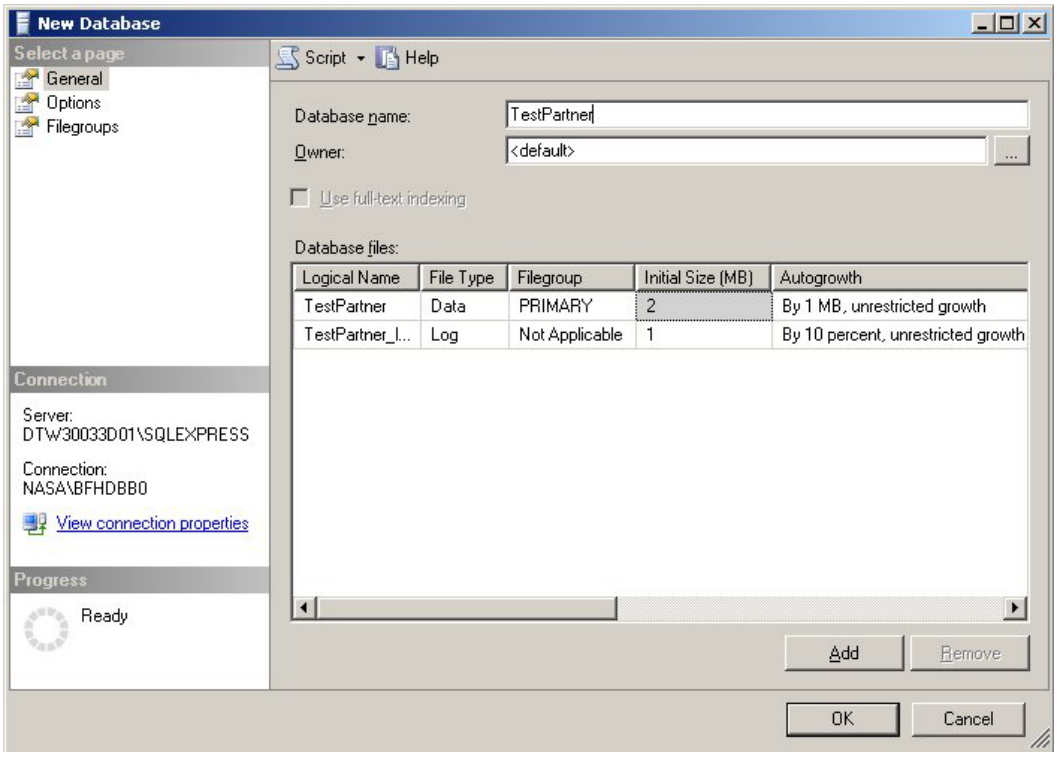
- Database owner/schema “TestPartnerDB”.

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

Creating a New SQL Server Database

This section describes how to create a SQL Server 2005/2008 database using SQL Server Management Studio. In addition to the following procedures, you must also populate the database with TestPartner tables using the TestPartner Database Maintenance utility.

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



2. Enter a name for the database in the **Database name** box.
3. Click **OK**.

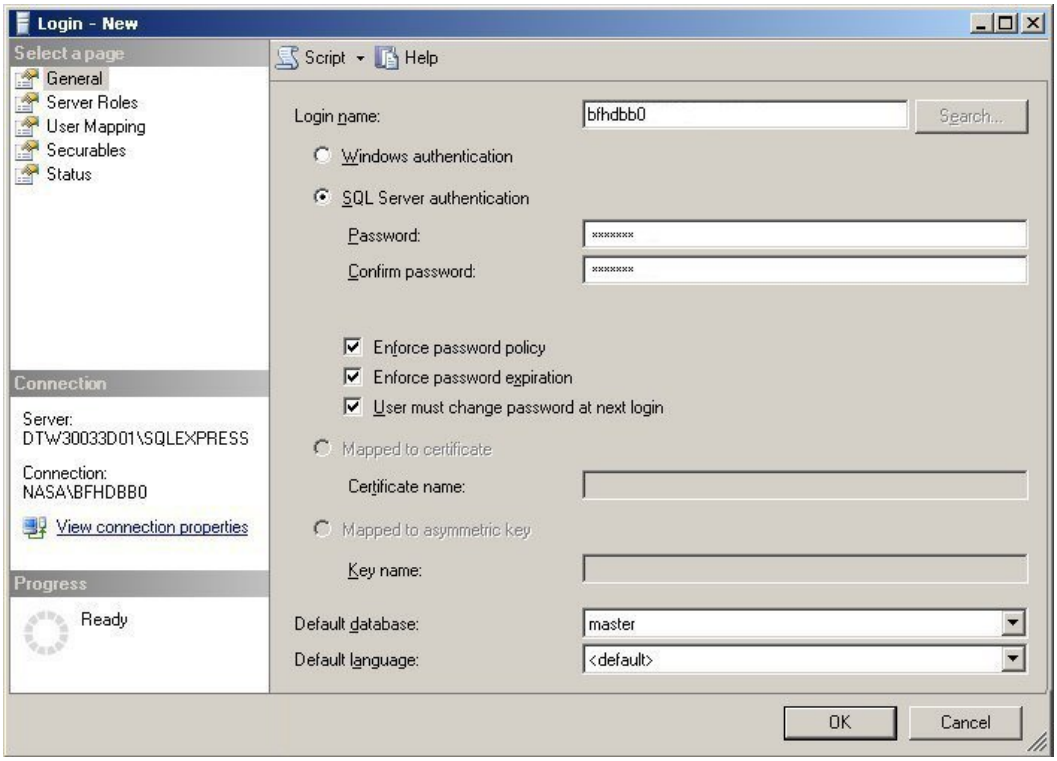
Creating a New SQL Server Admin User

A SQL Server user with system administrator rights is required to perform subsequent setup steps.

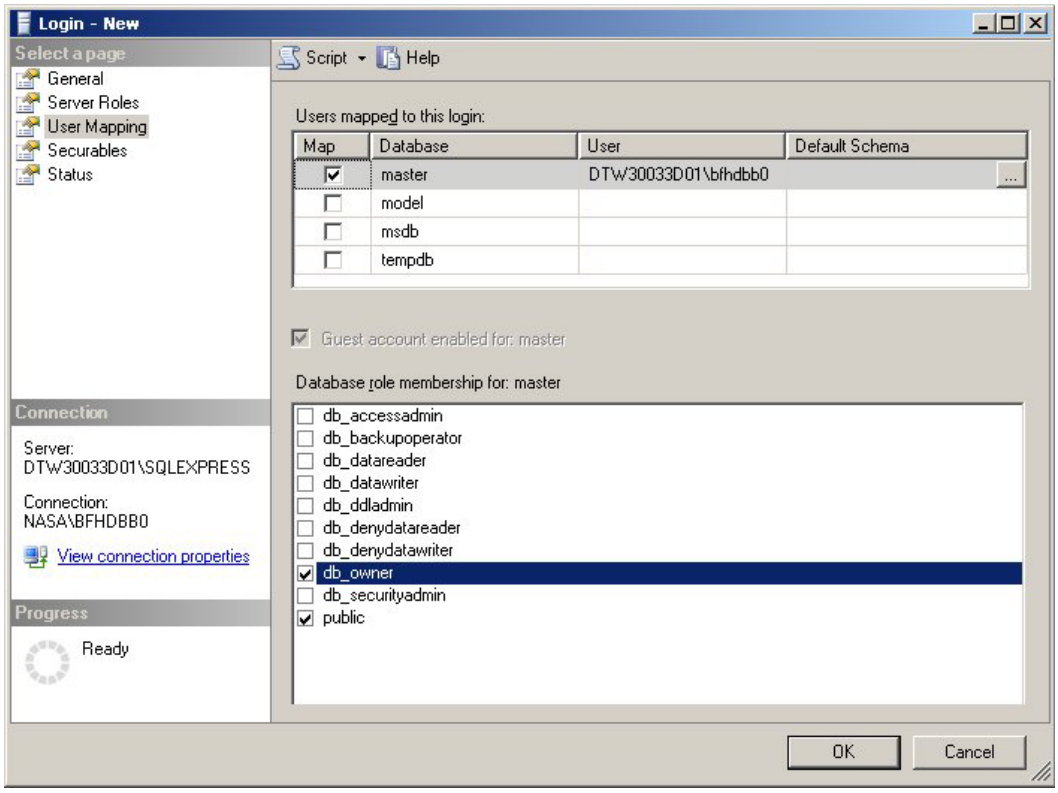
NOTE

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

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 **Login -New** dialog box appears.



2. Select the **General** page, and then enter a name for the database in the **Login name** box.
3. Select `SQL Server Authentication` and enter a password. Select the default database from the **Default database** list.
4. Select the **Server Roles** page, and then 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.

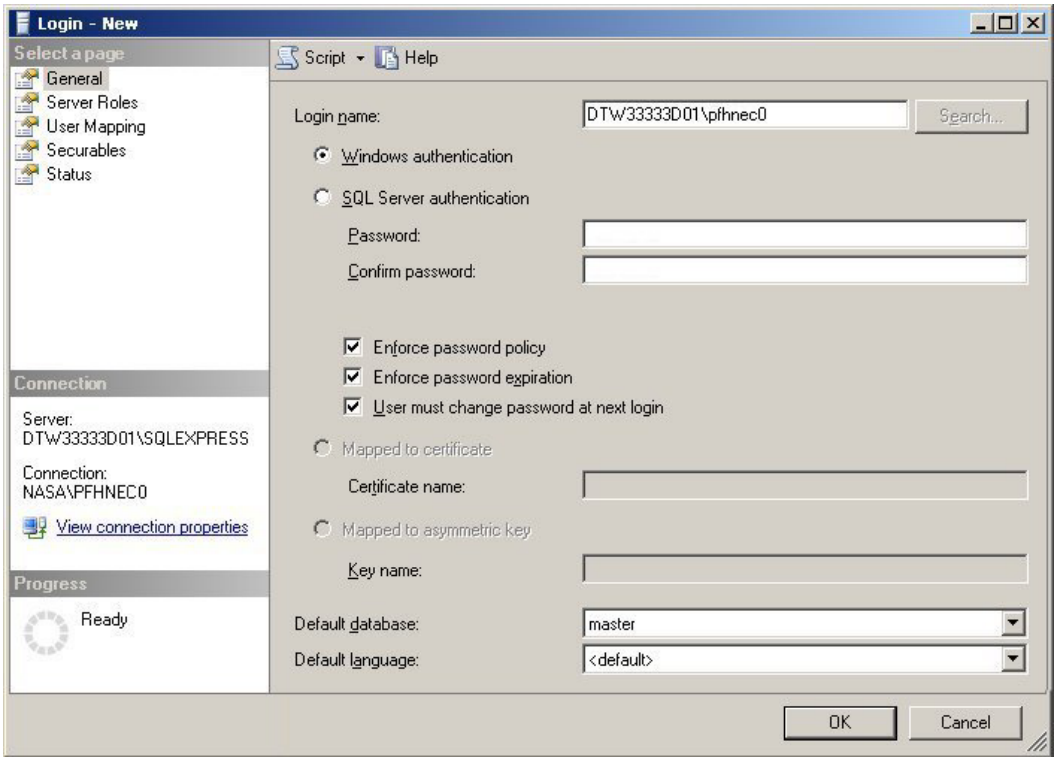


7. In the **Database role membership for** list, select `db_owner`.
8. Click **OK**.
9. In the Object Explorer, right-click the **Schema** folder and choose `New Schema`. Create a new Schema. The new schema name must match the name of the previously created user with system admin rights.
10. Assign the 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.

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

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 **Login -New** dialog box appears.



2. Select the **General** page, and then enter a name for the database in the **Login name** box.
3. Select either **Windows Authentication** or **SQL Server Authentication**.
4. Select the default database from the **Default database** 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 **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.
8. In the **Database role membership for** list, leave the default option public selected. Select the **db_datareader** and **db_datawriter** check boxes.
9. Click **OK**.

IMPORTANT

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".

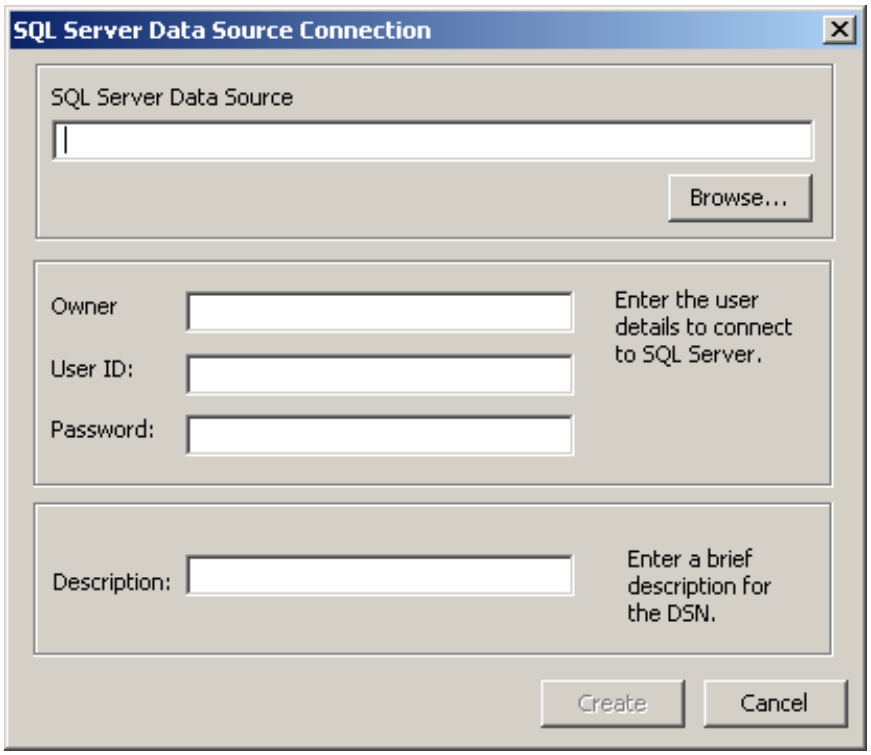
Preparing the SQL Server TestPartner Database

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.

NOTE

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. Click **Start**>**Programs**>**Micro Focus**>**Utilities**>**Database Maintenance** to 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.
4. In the appropriate boxes, type the name of the database owner, the SQL Server user ID, and password, and then click the **Create** button

NOTE

Only one schema can be associated with a DSN name (ODBC connection). If the chosen DSN name is already associated with a schema, 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.

You are now ready to start TestPartner and log on. For more information, see Starting TestPartner Overview [p. 39].

Configuring an Oracle Database Overview

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

NOTE

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

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 and have a new data source configured. For more information, see Creating a Data Source Name for an Oracle Database [p. 37].
- 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. For more information, see Configuring a TestPartner Database Connection [p. 40].

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 more information, see Setting Up Oracle Authentication [p. 25], and Preparing the Oracle Database for Client Connectivity [p. 27].

Creating a New Oracle Database

Create a new Oracle database with character set UTF8. For more information, refer to the Oracle product documentation.

Setting Up Oracle Authentication

NOTE

This procedure is only necessary if using Oracle OS authentication. If using Oracle database authentication, you must set up the Oracle client.

1. On the server where the database is located locate the Oracle Initialization file in the directory where Oracle was installed.
2. In the Oracle Initialization file, set values for the following parameters:
   - `remote_login_passwordfile = none`
   - `remote_os_authent = true`
   - `os_authent_prefix = ""`

NOTE

If any of the parameters and values do not exist, you must add them. In Oracle 11g, the `remote_os_authent` and `os_authent_prefix` parameters are set by default.

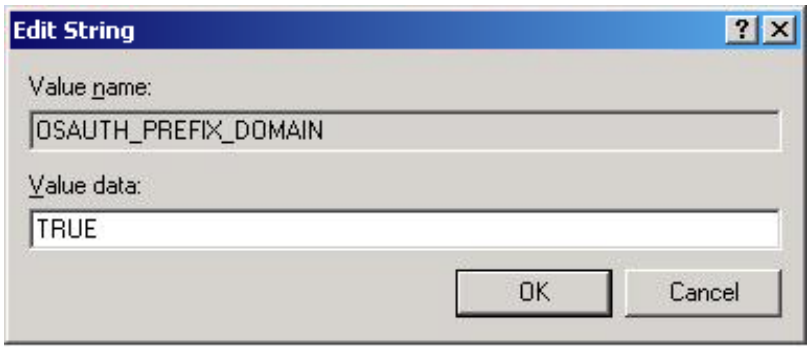
3. Locate the `SQLNET.ORA` file in the directory where Oracle was installed. The file should be located in `ORACLE_HOME\Network\Admin` directory under the main Oracle installation directory where `ORACLE_HOME` is the name assigned for the Oracle home during installation.
4. Open `SQLNET.ORA` and set the value of the following parameter as follows:

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

   NOTE

   Ensure this parameter is not commented out with a # at the beginning of the line. You may need to add this parameter.

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\HOMEn` (where n is the number associated with the Oracle installation), right-click `HOMEn` 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** box, 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 following parameter as follows:

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

   NOTE

   Ensure this parameter is not commented out with a # at the beginning of the line. You may need to add this parameter.

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 and an Oracle client to set up the TestPartner database. If you are using Oracle database authentication, you can begin to set up users. For more information, see Setting Up Users for TestPartner [p. 29].

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** dialog box 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, you must add it. For more information, see Creating the ORA_DBA group [p. 27].

Next, you need to create server access for users.

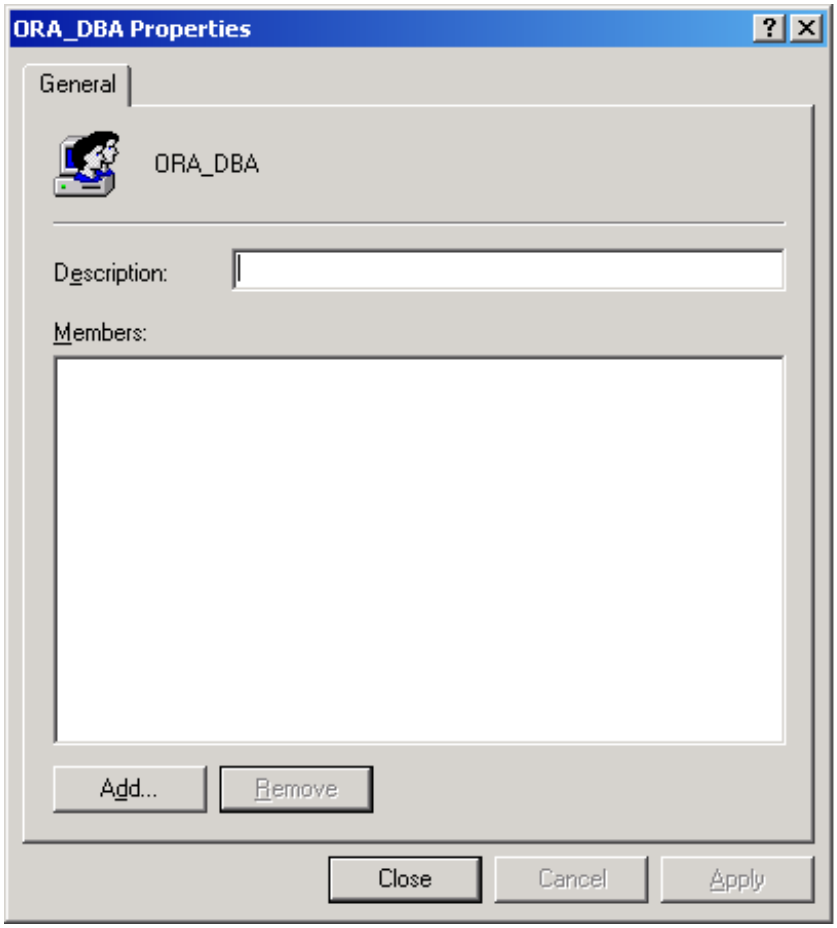
Creating the ORA_DBA group

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** box, type `ORA_DBA`.
3. Click **Create**.
4. Click **Close**.

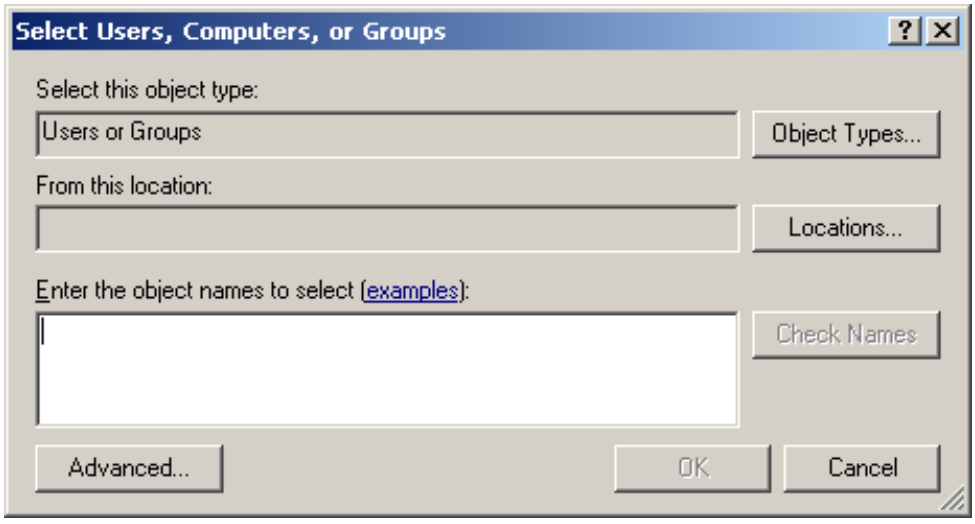
Creating Server Access for Users

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. Alternatively, click in the **Enter the object names to select** field and type the following:

   ```
   domain name\user ID
   ```

Where `domain name` is the name of the domain where the user is located and `user ID` is 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.

   Repeat steps 4–6 to create any additional user accounts.

7. When you are finished, click **OK** in the **Users Properties** dialog box to return to the **Computer Management** utility.

Setting Up Users for TestPartner

This section provides instructions for creating users and granting connection rights for users. This procedure is necessary when using either Oracle OS authentication or Oracle database authentication. Separate instructions are provided for each type of authentication. For more information, see Oracle OS Authentication [p. 29], and Oracle Database Authentication [p. 30].

Oracle OS Authentication

This topic provides instructions for creating users and granting connection rights when using Oracle OS authentication. Prior to performing these steps, consider the following:

- You must be a member of the `ORA_DBA` group and have `SYSDBA` privileges.
- Users must be created in such a way that Oracle knows they are authenticated via a DOMAIN controller.
- Use SQL*Plus or SQL*Plus Worksheet to create users. If you are not familiar with SQL*Plus, consult your Oracle documentation.
- Users must be created within a Windows NT domain and added to the `ORA_DBA` group. Refer to your Microsoft Windows documentation for more information about using a Windows domain.
- 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. For more information, see Creating the Password Authenticated Schema [p. 30].

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 and system privileges as shown in the following example. 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:

```
CREATE USER "NT-DOMAIN\JEFF" IDENTIFIED EXTERNALLY;
GRANT SELECT ANY SEQUENCE TO "NT-DOMAIN\JEFF";
GRANT UNLIMITED TABLESPACE TO "NT-DOMAIN\JEFF";
GRANT "CONNECT" TO "NT-DOMAIN\JEFF";
```

```
GRANT "RESOURCE" TO "NT-DOMAIN\JEFF";
GRANT "SELECT_CATALOG_ROLE" TO "NT-DOMAIN\JEFF";
```

IMPORTANT

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

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

Oracle Database Authentication

This topic provides instructions for creating users and granting connection rights when using Oracle database authentication. Prior to performing these steps, consider the following:

- You must be a member of the `ORA_DBA` group and have `SYSDBA` privileges.
- Users must be created in such a way that Oracle knows they are authenticated via a DOMAIN controller.
- Use SQL*Plus or SQL*Plus Worksheet to create users. If you are not familiar with SQL*Plus, consult your Oracle documentation.
- Users must be created within a Windows NT domain and added to the `ORA_DBA` group. Refer to your Microsoft Windows documentation for more information about using a Windows domain.
- 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. For more information, see Creating the Password Authenticated Schema [p. 30].

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 “ORACLEPASSWORD”`, and grant connection rights and system privileges as shown in the following example. 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:

```
CREATE USER "JEFF" IDENTIFIED BY “ORACLEPASSWORD”;
GRANT SELECT ANY SEQUENCE TO "JEFF"
GRANT UNLIMITED TABLESPACE TO "JEFF"
GRANT "CONNECT" TO "JEFF";
GRANT "RESOURCE" TO "JEFF";
GRANT "SELECT_CATALOG_ROLE" TO "JEFF";
```

Creating the Password Authenticated Schema

To set up the password authenticated schema into which the TestPartner tables are stored, perform the following steps:

NOTE

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

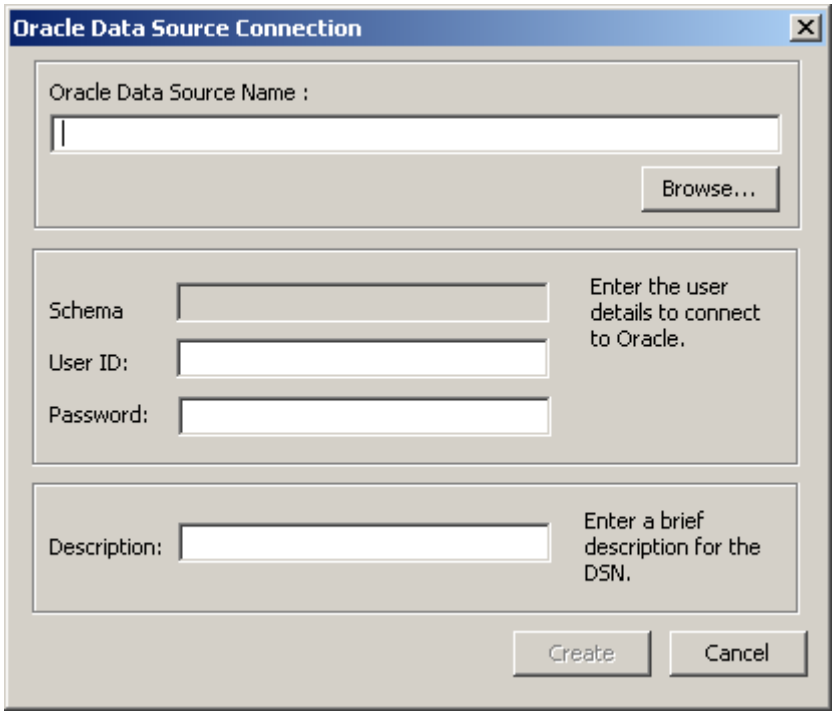
1. Start SQL*Plus or SQL*Plus Worksheet if it is not started.
2. If you are not properly logged on, log on as `SYSTEM` and connect as `SYSDBA`.
3. Type commands to create each user as `"USERNAME" IDENTIFIED AS "ORACLEPASSWORD"`, and grant connection rights for each user as `"USERNAME"`. Type `USERNAME` 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";
```

Preparing the Oracle TestPartner Database

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

1. Click **Start**>**Programs**>**Micro Focus**>**Utilities**>**Database Maintenance** to start TestPartner's 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.
4. In the appropriate boxes, type the name of the Oracle user ID, and password, and then click the **Create** button. The **Schema** box is filled in automatically with the same information as the User ID.

You are now ready to start TestPartner and log on. For more information, see Starting TestPartner Overview [p. 39].

Setting Up a SQL Server or Oracle Database Without a Domain

Micro Focus 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.

This section provides specific instructions for setting up a SQL Server or Oracle database with a domain.

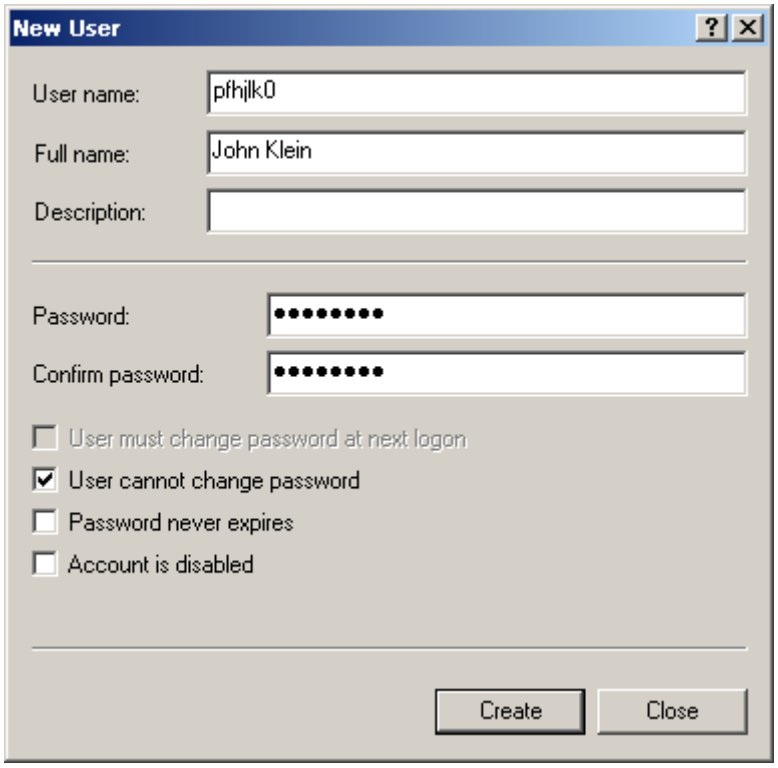
Creating Users Without a Domain

To set up a SQL Server or Oracle database without a domain, you must first create a user account on both the client and server computers.

NOTE

This procedure only applies when using Windows NT authentication.

1. Access the Windows **Control Panel**, and then select **Administrative Tools**>**Computer Management**
   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:

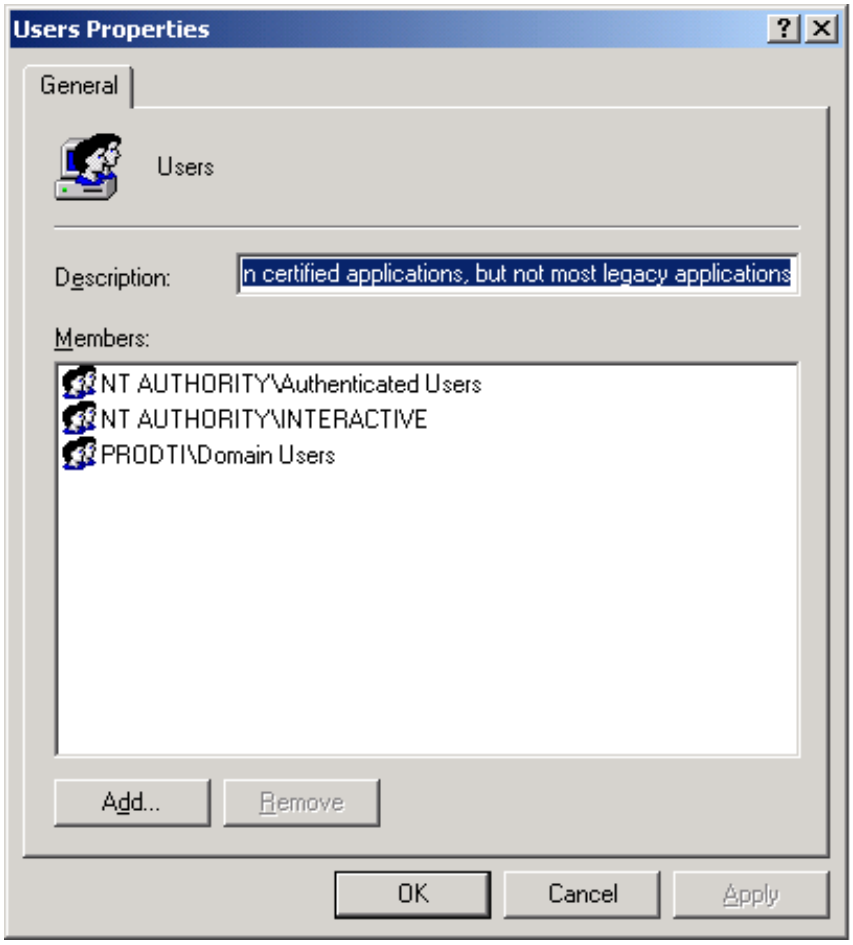


4. Type a valid user name in the **User name** box, and the corresponding user's full name in the **Full Name** box.
5. Type a valid password in both the **Password** and **Confirm password** boxes, and then click the **Create** button.
6. Repeat these steps on each client computer using the username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

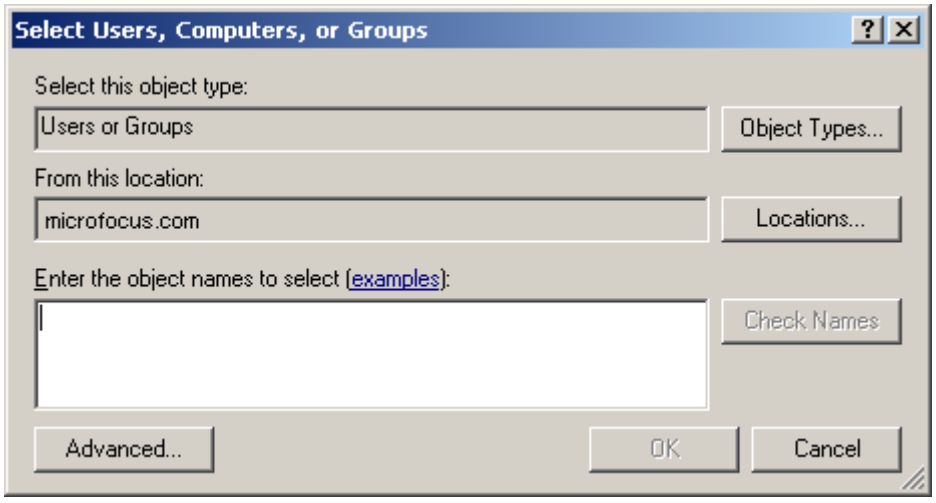
Setting Up SQL Server Without a Domain

To set up SQL Server without a domain:

1. Access the Windows **Control Panel**, and then select **Administrative Tools**>**Computer Management**.
   The **Computer Management** utility appears.
2. In the left pane, expand **Local Users and Groups**, and then click **Groups**.
3. In the right pane, double click **Users**.
   The **Users Properties** dialog box appears.



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

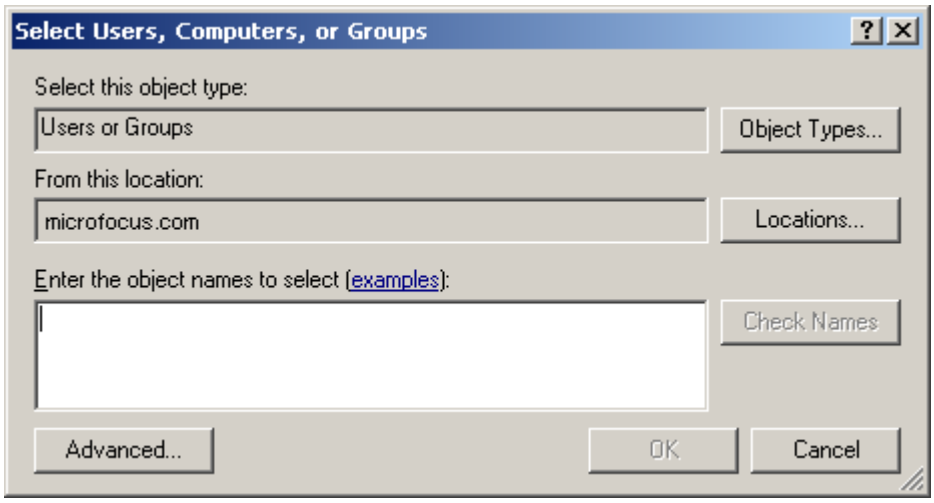


5. Click **Advanced**, then use the **Common Queries** tab to search for users, click **Find Now**, and then select users from the list. Alternatively, click in the **Enter the object names to select** box and enter the **`[user ID]`** of the user you want to give access.**`[user ID],`**:
6. Click **OK** to save the user information and return to the **Users Properties** dialog box.
7. Optionally, repeat the previous steps to create additional user accounts.

8. Click **OK** to close the dialog box and complete the process.

Setting Up an Oracle Database Without a Domain

To set up Oracle for TestPartner without a domain, follow the procedure for creating server access for individual user accounts; however, substitute the user name you created in the procedure for creating users without a domain. For more information, see Creating Server Access for Users [p. 27].



1. In the **Enter the object names to select** box, enter the *[user name]* instead of *[domain name]\[user ID]* or *[domain name]\[group name]*.
   The **Computer Management** utility appears.
2. Set up users for TestPartner . For more information, see Setting Up Users for TestPartner [p. 29].When using SQL*Plus to create users, substitute *[computer name\user name]* for *[domain name\user name]* as shown in the following example.

```
SQL> create user "FH0002RED\USER1" IDENTIFIED EXTERNALLY;
SQL> grant connect, resource to "FH0002RED\USER1";
```

NOTE

For the *[computer name\user name]*, use uppercase and enclose in quotes.

Creating a Data Source Name Overview

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 default SQL Server 2005 Express and Access databases installed by the TestPartner installer. For these databases, a data source name is automatically created.

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** box, type the data source name.

   Enter a logical name as this name appears as the database name in TestPartner's logon screen.
5. In the **Description** box, 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. On the **ODBC Administrator** dialog box, click **OK** to complete the process.

Creating a Data Source Name for a SQL Server Database

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

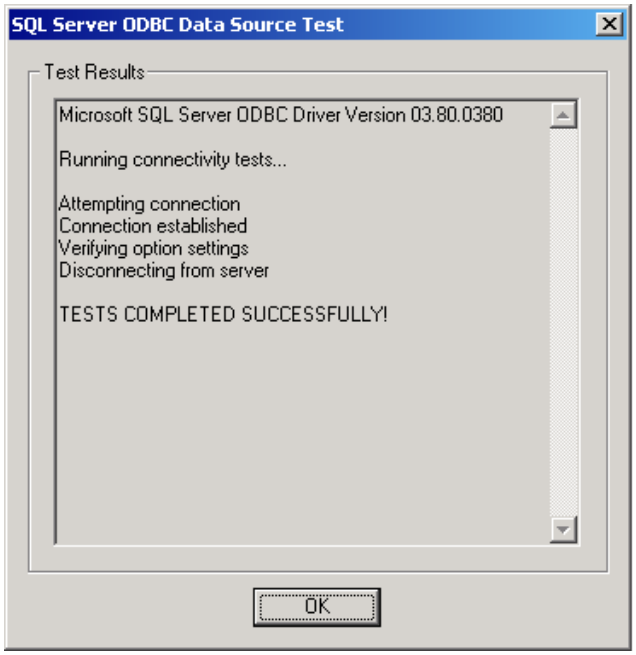
1. Access the Control Panel, and then select **Administrative Tools**>**Data Sources (ODBC)**. The **ODBC Data Source Administrator** dialog box appears.
2. Click the **System DSN** tab, then click the **Add** button. The **Create New Data Source** dialog box appears. This dialog box lists the available ODBC drivers.
3. From the list of drivers, select the `SQL Native Client` and click the **Finish** button. The **Create a New Data Source to SQL Server** dialog box appears.
4. In the **Name** box, type the data source name.

   Enter a logical name as this name appears as the database name in TestPartner's logon screen.
5. In the **Description** box, type a description for the data source. For example, `Connection to TestPartner SQL Server database`.
6. In the **Server** box, enter the server name or select it from the drop-down list.
7. Click the **Next** button.
8. Perform one of the following:
   - If user(s) using the DSN to access the SQL Server database are connecting with non-native credentials, select the **With Windows authentication** using the network login ID option.
   - 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** boxes.

9. Click the **Next** button.
10. Select the **Change the default database to** box, and then select your TestPartner database name from the list.
11. Accept all the other entries and click the **Next** button until the last panel in the wizard appears.
12. Accept the defaults and click the **Finish** button.
13. To test the connection, click the **Test Data Source** button.

    The **SQL Server ODBC Data Source Test** dialog box appears.



14. Click **OK** to dismiss the dialog box.

    The **ODBC Data Source Administrator** dialog box reappears. The newly created data source appears in the **System Data Sources** list.

15. Click **OK** to complete the process.

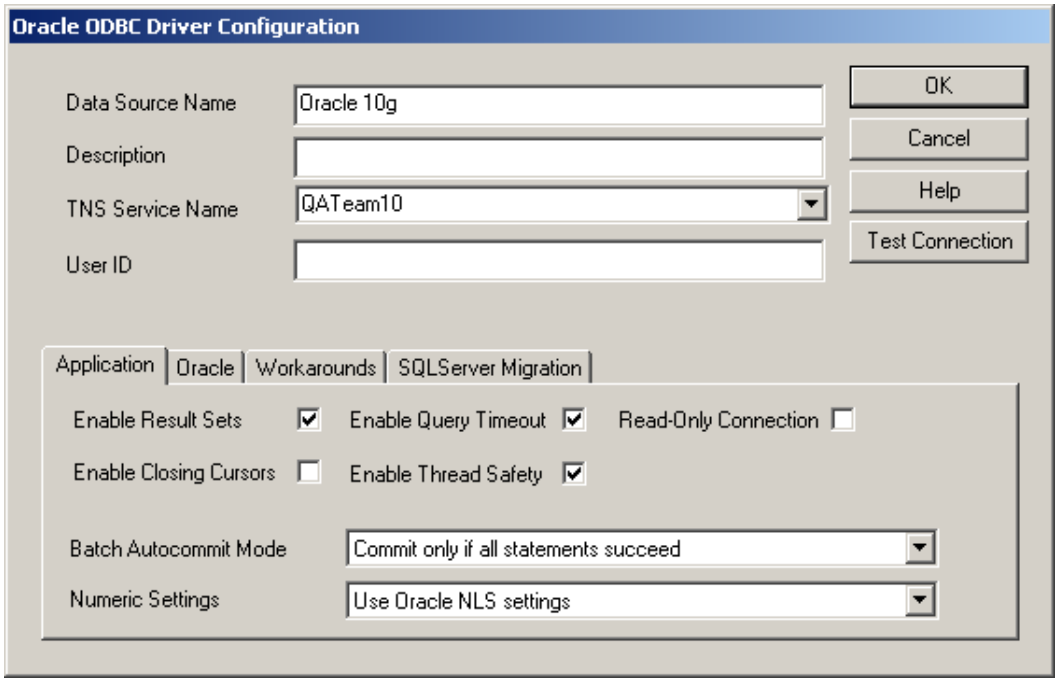
Creating a Data Source Name for an Oracle Database

On each client computer connecting to a SQL Server 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 appropriate Oracle ODBC driver for the version of Oracle database being used (not the Microsoft ODBC for Oracle driver), and then click the **Finish** button. The **Create a New Data Source to SQL Server** dialog box appears.

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



4. In the **Oracle Data Source Name** box, type the data source name.

   Enter a logical name as this name appears as the database name in TestPartner's logon screen.

5. In the **Description** box, type a description for the data source. For example, `Connection to TestPartner Oracle database`.
6. In the **TNS Service Name** box, 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 to which you are connecting.
7. If using Oracle authentication, type a valid user ID for the database being connected to in the **User ID** box. Otherwise, leave the **User ID** box blank.
8. To test the connection, 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.

9. Click **OK** to close the message box and complete the Data Source Name creation process.

CHAPTER 5

Starting TestPartner

Starting TestPartner Overview

After installing TestPartner and configuring a database, you are ready to start and log on to TestPartner. This section describes the steps required to set up the login credentials and create a TestPartner database connection, which defines the relationship between a TestPartner database and the local TestPartner installation.

Starting and Logging On to TestPartner

To start and log on to TestPartner, perform the following steps:

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** text box and a password in the **Password** text box.

   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 logging on to prevent unauthorized access.

   TIP

   Select **Tools**>**Change Password** to change your own TestPartner logon password at any time.

3. Select the TestPartner database to use from the **Database** list.

   For a database to appear in the **Database** list, you must first configure its database connection for use with TestPartner. To configure a database connection, click the **Configure** button on the **TestPartner Logon** dialog box. For more information, see Configuring a TestPartner Database Connection [p. 40].
4. Click **OK** to log on. The TestPartner **Start Screen** appears.

Configuring a TestPartner Database Connection

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

- Specify the database connection data required to initiate the database connection.
- Verify the connection to the database.
- Save the database connection data.

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

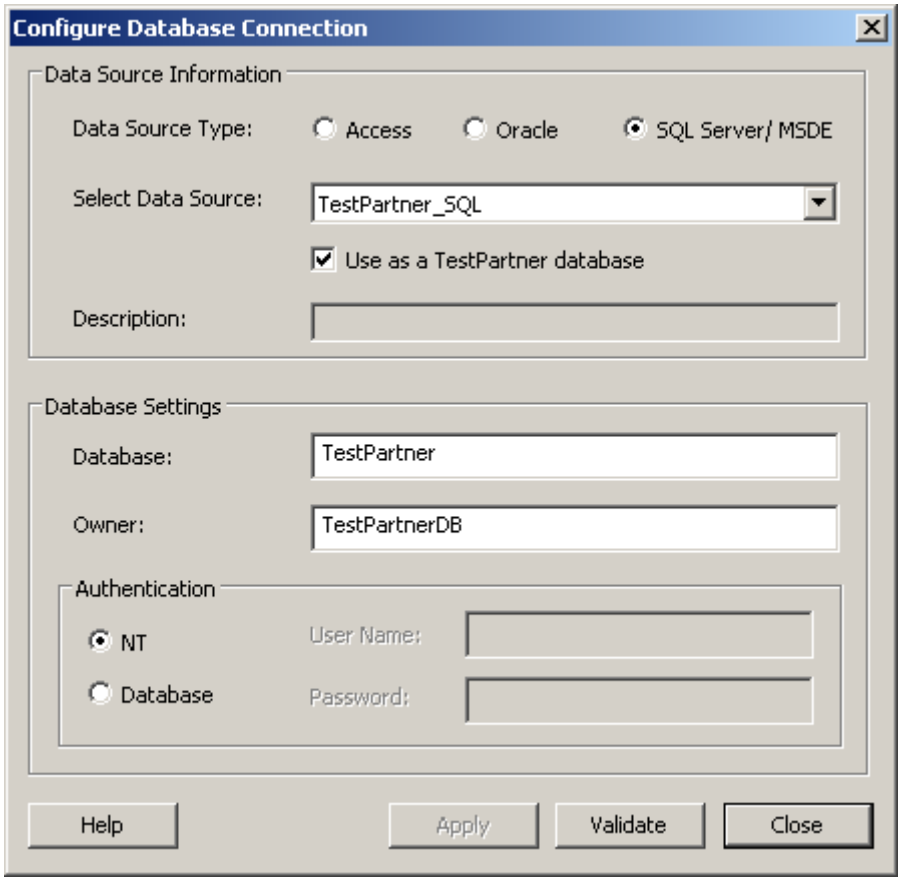
You can also use the **Configure Database Connection** dialog box to view, edit, and remove any existing configured database connections.

NOTE

Before configuring a database connection for use with TestPartner, a database instance and ODBC Data Source Name (DSN) must exist or be created. For more information, refer to the TestPartner Installation and Configuration Guide.

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

Figure 1. 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. 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. For Access, the **Database** field is read-only and displays the location of the database file. This value is read directly from the ODBC DSN. The other **Database Settings** fields are not applicable for Access and are disabled. BB For Oracle, the **Server** text box is read-only and displays only the database name. This value is read directly from the ODBC DSN. In the **Schema** text box, type the appropriate value. CC For SQL Server/MSDE, the **Database** text box is modifiable and allows you to type the appropriate database name. In the **Owner** text box, type the appropriate value.
6. Select a type of authentication. The **Authentication** field determines the method of authentication being used and only applies to Oracle or SQL Server/MSDE databases. You can choose to use either Windows NT authentication or authenticate using the database's native authentication capabilities. When selecting database authentication, you must provide the user name and password in the appropriate fields.

7. Click **Validate** to verify that you can connect to the database using the specified database connection data.
8. Click **Apply** to save the database connection data.
9. Click **Close**.

CHAPTER 6

Maintaining the Installation

Accessing Maintenance Mode

IMPORTANT

Micro Focus recommends that you exit all non-essential Windows programs before running this setup program. Some Windows programs may interfere with the installation and maintenance processes.

To access Maintenance Mode:

1. Access the Windows **Control Panel**.
2. Depending on your operating system, select **Add/Remove Programs** or **Programs and Features**.
3. Select **Micro Focus TestPartner**, and then click the **Change** button. The TestPartner installation wizard appears and displays the **Welcome** page.
4. 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.

Repairing a TestPartner 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:

To repair a TestPartner installation:

1. Access Maintenance Mode. For more information, see Accessing Maintenance Mode [p. 43].
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 TestPartner Installation

To remove a TestPartner installation:

1. Access Maintenance Mode. For more information, see Accessing Maintenance Mode [p. 43].
2. Select the **Remove** option. Click **Next**. The **Remove the Program** page appears.
3. After removing an installation, 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.

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