

Matisse[®] Installation Guide for MS Windows

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Matisse Installation Guide for MS Windows

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Installing Matisse on MS Windows

System Requirements

Before installing Matisse on MS Windows, you must have the following:

- Matisse Server**
- ◆ MS Windows 2000 with Service Pack 4 (SP4) or higher; or MS Windows Server 2003 with Service Pack 1 (SP1) or higher; or MS Windows XP with Service Pack 3 (SP3) or higher; or MS Windows Vista with Service Pack 1 (SP1) or higher; MS Windows Server 2008 with Service Pack 2 (SP2) or higher; or MS Windows 7;
 - ◆ .NET Framework version 3.0 Redistributable Package
 - ◆ At least 64 MB of RAM (128 MB recommended)
 - ◆ At least 100 MB free disk space for Matisse (the server, client, and the development kit)
- Matisse Client**
- ◆ Windows 2000 SP4 or higher; 2003 SP1 or higher; XP SP3 or higher; Vista SP1 or higher; 2008 SP2 or higher; or MS Windows 7
 - ◆ .NET Framework version 3.0 Redistributable Package.
 - ◆ At least 20MB free disk space.
 - ◆ TCP/IP connection to one or more Matisse servers.
- Matisse Lite**
- ◆ Windows 2000 SP4 or higher; 2003 SP1 or higher; XP SP3 or higher; Vista SP1 or higher; 2008 SP2 or higher; or MS Windows 7
 - ◆ .NET Framework version 3.0 Redistributable Package.
 - ◆ At least 5MB free disk space.
- Matisse In-Memory**
- ◆ MS Windows Server 2003 64-bit with Service Pack 1 (SP1) or higher; or MS Windows Vista 64-bit with Service Pack 1 (SP1) or higher; MS Windows Server 2008 64-bit with Service Pack 2 (SP2) or higher; or MS Windows 7 64-bit;
 - ◆ .NET Framework version 3.0 Redistributable Package
 - ◆ At least 4 GB of RAM (8 GB recommended)
 - ◆ At least 100 MB free disk space for Matisse (the server, client, and the development kit)

Installing Matisse

CAUTION: You must be logged in with administrator privileges to complete installation of the server successfully.

1. If you have a prior version of Matisse installed,
 - a. you may make a backup of your data using the `mt_backup` utility. For more information, look at *Matisse Server Administration Guide*.
 - b. If you need to migrate the data of Matisse version 9.x, export all the data using the `mt_xml` utility. For more information, look at *Matisse XML Programming Guide*.
 - c. You need to stop all the running databases and uninstall Matisse before proceeding to the following step 2.
2. The Matisse Enterprise Manager requires JRE 1.7.0. The Matisse installer will install JRE 1.7.0. (If your system already has JRE 1.7.0, the installer will not install JRE)
3. Double-click the program file for the Matisse installer, either on the Matisse CD-ROM or in the local directory where you downloaded it. The name of the file varies depending on the release:
For Matisse DBMS 9.0.0 32-bit Edition, the file is `matisse900x32.exe`
For Matisse DBMS 9.0.0 64-bit Edition, the file is `matisse900x64.exe`
For Matisse Lite 9.0.0 32-bit Edition, the file is `matisselite900x32.exe`
For Matisse In-Memory 9.0.0 64-bit Edition, the file is `matisseim900x64.exe`
4. Follow the instructions on screen to accept the license agreement and enter your name and company name.
5. When you reach the Setup Type screen, select the appropriate option:
 - *Full/Typical* to install all the components, including the server runtime, development toolkit, and client runtime. Select this only when you wish to install the Matisse server.
 - *Development Tools* to install the development package and client only. It is appropriate for a system on which you do not plan to run Matisse server.
 - *Client* to install the client only.
6. Follow the instructions on screen to confirm the installation directory as `C:\Program Files\Matisse` or to select an installation directory, then click next twice to start installation.

CAUTION: To prevent Windows Vista virtualization side effects, you must install Matisse outside of the `%programfiles%` (i.e. `C:\Program Files`) directory. On Vista the default directory is set to `C:\Products\Matisse`.

Environment Variables

The installation process automatically adds the `%MATISSE_HOME%` environment variable to the Windows registry and adds the path to the Matisse executables (by default `C:\Program Files\Matisse\bin`) to the user's `%PATH%` environment variable.

Matisse Services (server only)

When installing the Matisse server runtime on Windows, the installation process automatically installs the Matisse Port Monitor, Matisse Server Manager and Matisse SMListener as services. During installation the Startup Type is set to automatic for each of the services, but if appropriate you may set either one to manual.

After You Have Installed Matisse

After you have installed Matisse, please read *Getting Started with Matisse*. You can find this and other Matisse documentation on the Matisse Software Web site:

<http://www.matisse.com/developers/documentation/>

Uninstalling Matisse

To uninstall Matisse, select Start .. Settings .. Control Panel .. Add/Remove Programs. This brings up a window where you can select Matisse and press 'Change/Remove' button. After uninstalling Matisse, you do not loose your data files, configuration files, or log files.

Trouble Shooting

Matisse x64 installation scripts

In some cases, the installation program for Matisse x64 (64-bit Edition) is not able to run the pre-installation, post-installation scripts and is not able to install the Matisse Port Monitor, Matisse Server Manager and Matisse SMListener. In that case, start Windows Event Viewer. Once started, select the Application node under Windows Logs where you should see the following errors relative to the Matisse installation:

```
Activation context generation failed for
"C:\Users\john\AppData\Local\Temp\{119A9F3C-8114-4535-
ADB8-016E9AB4D55C}\mtspostinstall.exe". Dependent Assembly
Microsoft.VC80.CRT,processorArchitecture="amd64",publicKey
Token="1fc8b3b9a1e18e3b",type="win32",version="8.0.50727.4
053" could not be found. Please use sxstrace.exe for
detailed diagnosis.
```

```
Activation context generation failed for
"C:\Products\Matisse\bin\mt_msms.exe". Dependent Assembly
Microsoft.VC80.CRT,processorArchitecture="amd64",publicKey
Token="1fc8b3b9a1e18e3b",type="win32",version="8.0.50727.4
053" could not be found. Please use sxstrace.exe for
detailed diagnosis.
```

```
Activation context generation failed for
"C:\Products\Matisse\bin\mt_portmon.exe". Dependent
Assembly
Microsoft.VC80.CRT,processorArchitecture="amd64",publicKey
Token="1fc8b3b9a1e18e3b",type="win32",version="8.0.50727.4
053" could not be found. Please use sxstrace.exe for
detailed diagnosis.
```

In that case, you need to install *Microsoft Visual C++ 2005 Service Pack 1 Redistributable Package ATL Security Update*

First uninstall Matisse x64, then download `vcredist_x64.exe` (3.1 MB) from Microsoft web site accessible from the page titled *Microsoft Visual C++ 2005 Service Pack 1 Redistributable Package ATL Security Update*.

Matisse Services

If you run the Matisse installation without administrator privileges, the installation program will not be able to install the Matisse Port Monitor, Matisse Server Manager and Matisse SMListener. In that case, follow the instructions below to install these services manually. After the installation completes, the services will automatically start when your machine reboots. You will not need to have administrator privileges after installation.

- Solution 1**
1. Logon with administrator privileges
 2. Uninstall Matisse
 3. Rerun the installation program

- Solution 2**
1. Logon with administrator privileges
 2. Open a command window

Go to 'bin' under the Matisse installation directory. For example,

```
> C:
> cd \Program Files\Matisse\bin
```

Enter the following two commands.

```
> mt_portmon -install
> net start MATISSE_Portmon
```

The MATISSE Port Monitor service is starting.

The MATISSE Port Monitor service was started successfully.

```
> mt_msms -install
> net start MATISSE_MSMS
```

The MATISSE Server Manager service is starting.

```
The MATISSE Server Manager service was started
successfully.
> mt_smlistener -install
> net start MATISSE_SML
The MATISSE SMListener service is starting.
The MATISSE SMListener service was started successfully.
```

3. Exit the command window

You can now logoff from this account and logon with your regular account in order to use Matisse.

SMListener Service

The SMListener is a Java application which requires Java 7 or higher to be installed and accessible on the machine. The Matisse installer tries to install Java 7 if it is not already installed on the machine and update the path so the JVM can be accessed when Matisse Enterprise Manager is launched. But in some cases, third party products may have installed a different version of Java and altered the JVM path so the Enterprise Manager will not start.

Enterprise Manager

The Matisse Enterprise Manager is a Java application which requires Java 7 or higher to be installed and accessible on the machine. The Matisse installer tries to install Java 7 if it is not already installed on the machine and update the path so the JVM can be accessed when Matisse Enterprise Manager is launched. But in some cases, third party products may have installed a different version of Java and altered the JVM path so the Enterprise Manager will not start.

Remote Server Access

If you cannot connect to a remote database server because of errors such as `INVTRANSPORT` or `SRVCONFAILED` while you can establish local connections without any problem, you may need to double check your firewall settings. Please refer to the [Matisse® Server Administration Guide](#) for more details on updating your firewall settings.

Datafiles, Config and Log files not found on Vista

On Windows Vista, if you have installed Matisse in `%programfiles%` (i.e. `C:\Program Files\Matisse`) the config and log files are nowhere to be found in the `config` or `log` directories.

When you use an application for which virtualization is enabled, you create files in a virtualizable location of the file system.

To avoid this issue, you must install Matisse outside of the `%programfiles%` directory (i.e. `C:\Products\Matisse`).

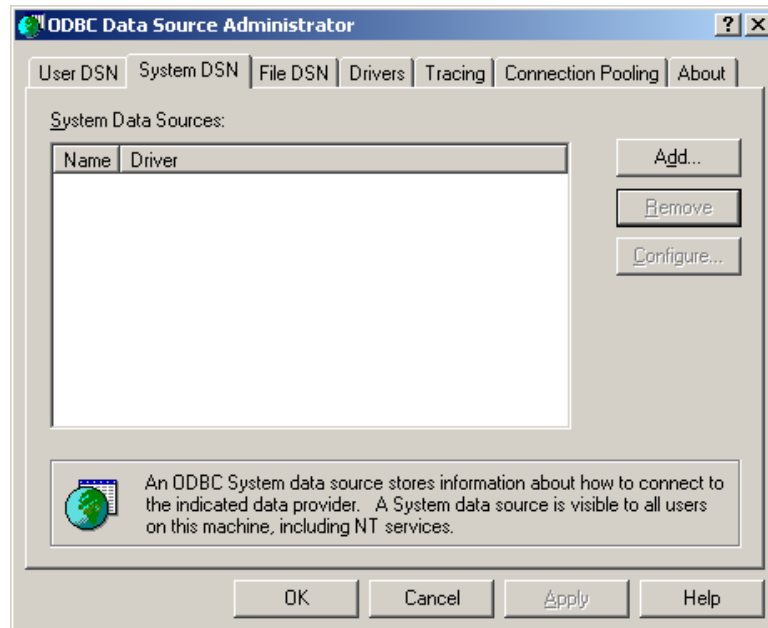
Installing the Matisse ODBC Driver for Windows

The Matisse ODBC driver for Windows comes as a package separate from the standard Matisse installation. After installing the package for Matisse itself, the Matisse ODBC driver is ready for installation.

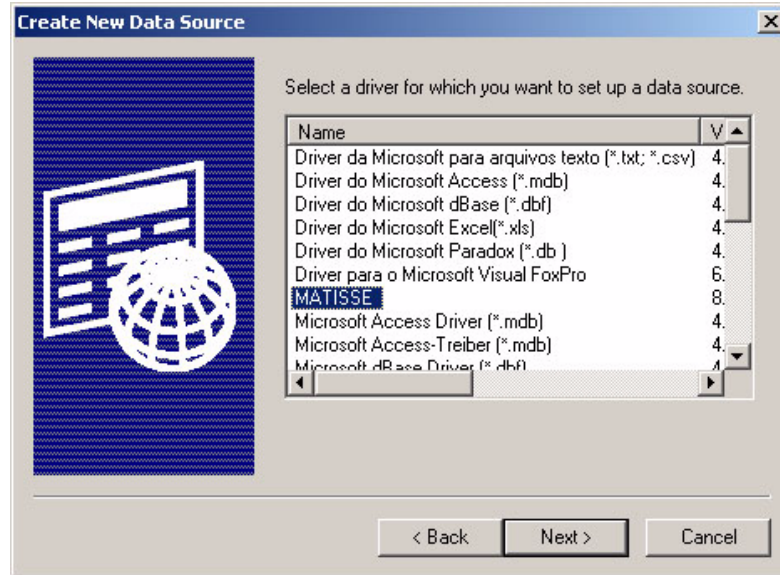
1. Double-click the program file for the Matisse ODBC installer, either on the Matisse CD-ROM or in the local directory where you downloaded it. The name of the file varies depending on the release: for release 9.0.0, it is `matisseODBC900.exe`.
2. Follow the instructions on screen to accept the license agreement and enter your name and company name. Note that there is only one type of set-up ODBC.
3. Follow the instructions on screen to confirm the installation directory as `c:\Matisse\bin` (default) or to select an installation directory. If you had chosen to install Matisse in non-default place, Matisse ODBC should be installed in `<your_matisse_installation_directory>\bin`. Click next to start installation.
4. After the installation is done, you may proceed to a dialog for creation of new data source. For the details of data source creation, look at the following sections.

Setup

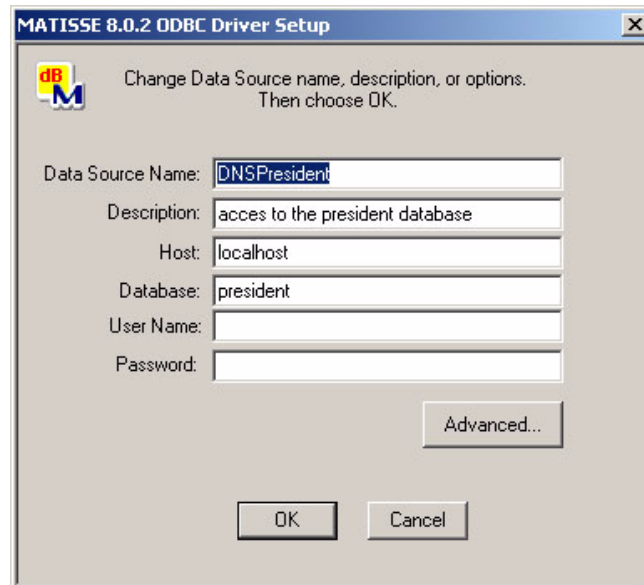
To add a new data source for Matisse, select Start .. Settings .. Control Panel .. Administrative Tools .. Data Sources (ODBC). This will bring up the following dialog box:



Select the User or System DSN, depending on how accessible the database connection needs to be. Click the Add button. This will bring up a new dialog box with a list of ODBC drivers from which to choose:



Select the Matisse driver and click Finish. The Matisse ODBC driver manager will then bring up a window prompting you for information:



A data source name, database name, and host name must be supplied to create a successful connection. If the database doesn't require a username or password to connect, leave those fields blank. When this information is complete, click OK to add the new Data Source. This Data Source may now be accessed from applications like Microsoft Excel to make a connection to a Matisse database.

Advanced options

The 'Advanced...' button in the above Setup dialog window allows you to set more options as follows:

Table 3.1 Advanced Options for ODBC

Options	Description	Default Value
MAXSTRINGATTR	This option defines what is returned to the application when it calls the ODBC function SQLColAttribute for a string type attribute with the options SQL_DESC_OCTET_LENGTH or SQL_DESC_LENGTH Note that it has otherwise no effect on the results returned, which returns the whole string.	255
ODBC2	When set to 1, it emulates ODBC2.0 behavior. By default, the behavior is ODBC3.0.	0
STRINGSASTEXT	If set to 1, the type MT_STRING is exported as LONG VARCHAR to the ODBC application. If set to 0, the type MT_STRING is exported as VARCHAR. Some tools like Crystal Reports do not fully support LONG VARCHAR and require this parameter to be set to 0.	1

Testing Matisse ODBC Driver

Before testing the Matisse ODBC driver, you need to start a Matisse database. For more information about how to start a database, please refer to the *Getting Started with Matisse* documentation.

Testing from the Matisse Command Line

The command line utility `mt_odbc` is provided with the standard Matisse ODBC installation. It's located in the `bin` sub-directory of the Matisse install directory. To run the `mt_odbc` utility, enter:

```
mt_odbc data source name
```

For example, if the data source name is `MatisseDSN`, the command would be:

```
C:\> mt_odbc MatisseDSN
```

Make sure that the database name and the host name in your data source is correct.

Testing with the MS Sample Query Tool

If you have the Microsoft ODBC 3.0 Software Development Kit, you can use the MS Sample Query tool which comes standard with its installation to test Matisse ODBC driver. From the Windows Start menu select Programs .. ODBC .. Query Sample.

In the Program window, select Login / Connect. Enter the Data Source Name of the database to which you want to connect. This will bring up a command window where you can enter SQL commands to Matisse through the ODBC interface.