# SKF @ptitude Decision Support Installation

Version 3.2

**Part No. 32129200**
**Revision C**

## Installation Manual

**SKF**

# SKF Reliability Systems

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**(g) Attorneys' Fees.** In the event any litigation is brought by either party in connection with this Agreement, the prevailing party in such litigation will be entitled to recover from the other party all the costs, reasonable attorneys' fees, and other expenses incurred by such prevailing party in the litigation.

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CM-F0176 (Revision F, January 2011)

# Table of Contents

# 1
# Installing SKF @ptitude Decision Support

## Installed Components

The SKF @ptitude Decision Support installation process installs the following components:

- SKF @ptitude Decision Support – the main application interface

- SKF @ptitude Decision Support Server Configuration – a configuration utility that facilitates setup of your  SKF @ptitude Decision Support system

- SKF @ptitude Decision Support Stop Server – a small utility that temporarily shuts down the database engine

- SKF @ptitude Decision Support Configuration Editor

- SKF @ptitude Decision Support documentation

- SKF @ptitude Analyst License Key Manager

## System Requirements

These are the system requirements that are recommended and supported for the installation of SKF @ptitude Decision Support.

### Stand-Alone

*Must have the following minimum configuration:*

Operating System: Windows 7, Windows XP Professional with Service Pack 2+

Disk Space: 1.2 GB

Video Display: 1280 x 1024

With the following recommendations:

Processor: Intel Core 2 Duo, 2.0 GHz or faster

RAM: 2.0 GB or more

Database: Oracle version 10g or Microsoft SQL Server 2008

Software: SKF @ptitude Analyst 6.0 or higher

### Server

*Must have the following minimum configuration:*

Operating System: Windows 2008 Server or Windows 2003 Server

Disk Space: 1.2 GB

Video Display: 1280 x 1024

With the following recommendations:

Processor: Intel Core 2 Duo, 3.0 GHz or faster

RAM: 4 GB or more

Database: Oracle version 10g or Microsoft SQL Server 2008

Software: SKF @ptitude Analyst 6.0 or higher, with Multi-User License

### Network Client

*Must have the following minimum configuration:*

Operating System: Windows 7, Windows XP Professional with Service Pack 2+

Disk Space: 1.0 GB

Video Display: 1280x1024

With the following recommendations:

Processor: Intel Core 2 Duo, 2.0 GHz or faster

RAM: 2.0 GB or more

## Installation

### Server and NT Service Installation

**To install the SKF @ptitude Decision Support Server:**

*Prior to starting the installation, ensure that SKF @ptitude Analyst is not running.*

- Verify that your computer meets the minimum system requirements, then insert the **Application** CD into your CD drive.  The install program automatically launches.

  ➢ If the install program does not run automatically, double click the **Autorun.exe** file on the installation CD to manually launch the install program.

- Select the appropriate language from the displayed menu.  Then choose the **SKF @ptitude Applications** option on the following screen.  The **Product Installation Menu** launches.

- On the main Installation screen, select **SKF @ptitude Decision Support.**  The installation files are extracted and the InstallShield Wizard's **Welcome** screen displays.



Figure 1 – 1.
The InstallShield Welcome Screen.

- Click **Next** to continue to the **End User License Agreement** page.

Figure 1 – 2.
The **License Agreement** Screen.

- Carefully read the license agreement.  If you do not agree with the terms of the license agreement, click **Cancel** to abort the installation.  If you agree with the terms, select **I accept the terms of the license agreement** and click **Yes** to proceed to the **Setup Type** page.



Figure 1 – 3.
The **Setup Type** Screen.

You have the choice of using NT Service configuration for your server, or using @ptitude Decision Support's server. Both of these options will install the client components.

**NT Service** – (multi-client) Select this option if you would like @ptitude Decision Support server to run as an NT Service. The advantage to this option is that the computer does not need to be logged into Windows for the service to be available. (Recommended if you will be installing multiple clients.)

**Server or Stand-Alone** – (single client) Select this option if you are not installing clients (stand-alone) or you would like the server to only run when invoked by the client application. If this is selected, the server machine must be logged into Windows for the server to be accessible. This option is primarily used if you do not need to have the server running on your machine all the time, for example, if you have a single client installation. Do not select this option for multi-client installations.

Select **Server or Stand-Alone** or **NT Service** and select **Next**. The **Choose Destination Location** screen displays.
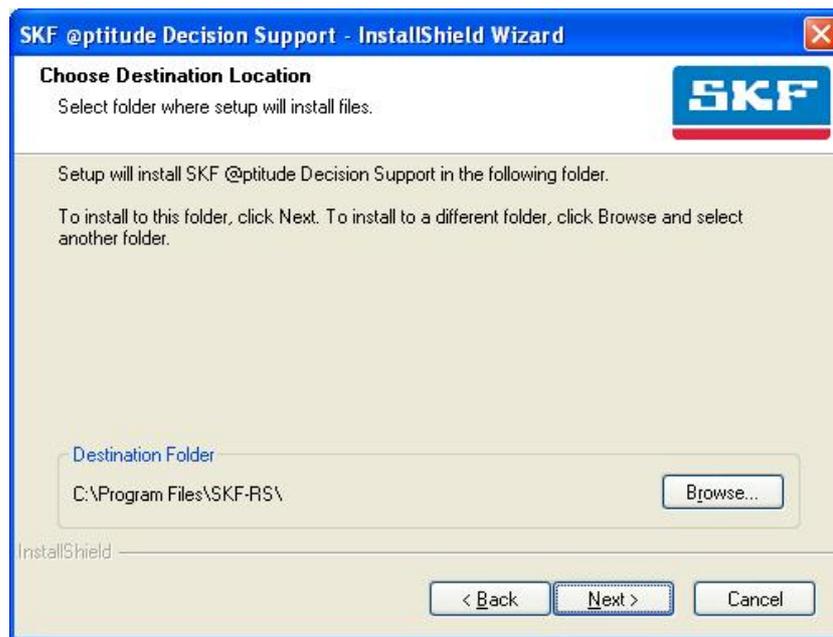


Figure 1 - 4.
The **Choose Destination Location** Screen.

- The default destination folder displays. Accept the default destination or select **Browse** to select another destination folder, and click **Next**. The **Setup Status** page displays.
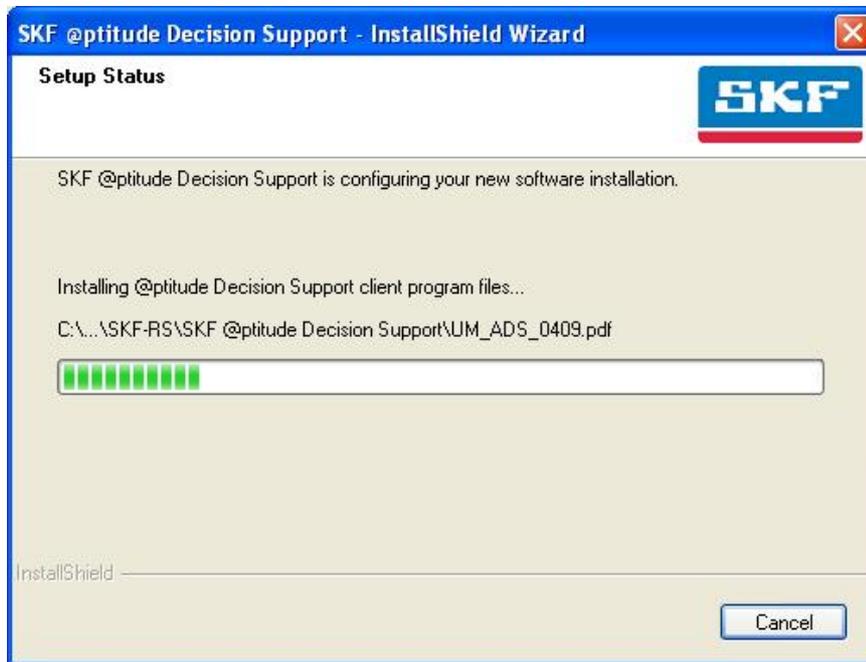
Figure 1 – 5.
The **Setup Status** Screen.

The **@ptitude Analyst License Key Manager** page displays with information concerning the License Key Manager program.
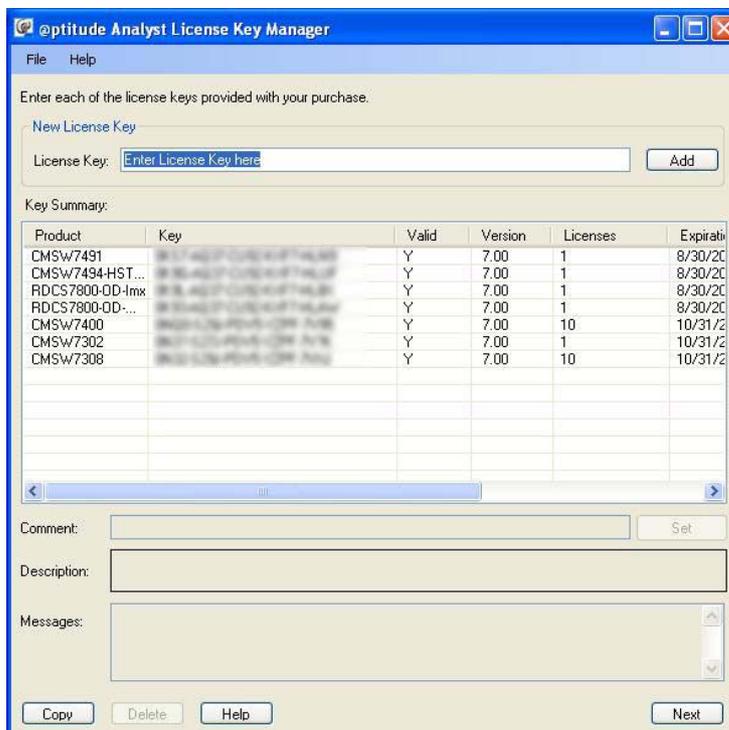


Figure 1 – 6.
The **@ptitude Analyst License Key Manger Program**.

The @ptitude Decision Support License Key entered during installation determines the specific number of assets that can be added to the hierarchy. The default number is 100 assets. Once the maximum number of assets has been added to @ptitude Decision Support, contact your SKF Representative to purchase additional assets. A new License Key will be provided, which will allow additional assets to be added to the hierarchy.

New license keys are entered using the License Key Manager. In addition to controlling the number of assets that may be added, the License Key Manager is used to activate various aspects of the software, including:

- The number of clients that may access @ptitude Decision Support

- Access to the Model Definition Editor

- Access to data providers that may be used to diagnose assets

- Access to applications that are available for CMMS integration

Options on this dialog include:

**New License Key** – Used to add a new key. (Refer to **Operation of the License Key Manager**, below, for details.)

**Key Summary** list - Displays information about configured license keys:

> **Product Number** – The SKF model number that identifies the product associated with the license key.

> **Serial Number** – The serial number that uniquely identifies your purchase summary. (If you ever require technical or sales support, having your serial number will greatly speed the process.)

> **Valid** – Indicates whether the license key is valid. (This column is only used when importing a license key file. You will not be able to directly add an invalid key. Refer to **Operation of the License Key Manager** below for details.)

> **Version** – The software version covered by the license key.

> **Licenses** – The number of users covered by the license key.

> **Expiration** – Some features can be activated on a trial basis to allow you the opportunity to use the feature before making the decision to purchase. In this situation, the feature is activated for a specified time period. The expiration date displays here. Upon making a purchase, a new license is provided without the time restriction.

**Description** – Provides information about the application associated with the key highlighted in the **Key Summary** list.

**Delete** – Deletes the key currently highlighted in the **Key Summary** list.

**Messages** – Shows the output of activities, including error messages.

**Copy** – Copy the license keys and messages to the clipboard, which can then easily be pasted into other applications, such as Microsoft Word or an e-mail.

## Operation of the License Key Manager

The License Key Manager provides the ability to enter license keys manually, or to use an existing license key file.

**To manually enter a key:**

- Enter the license key in the **License Key** field and click **Add**.  If the license key is valid, it appears in the **Key Summary** list.  (If the key is not valid, you are informed in the **Messages** area of this dialog.)

  ➢ The LKM reviews new license keys against its list of already entered license keys. If a license key is entered with greater capabilities than the already entered license key, the latter will be replaced.

**To import a license key file:**

- If you have been provided with a license key file, select **File** / **Import** from the menu.  A Windows **Open** dialog displays.

- Locate the license file and click **Open**.  Any license keys in the file that have not already been entered are appended to the **Key Summary** list.

  ➢ By default, license files are named LicFile.alf.

- When you are satisfied with your selections, click **Next** to return to the installation wizard.

- When the installation is complete, the final setup screen displays.  Click **Finish**.
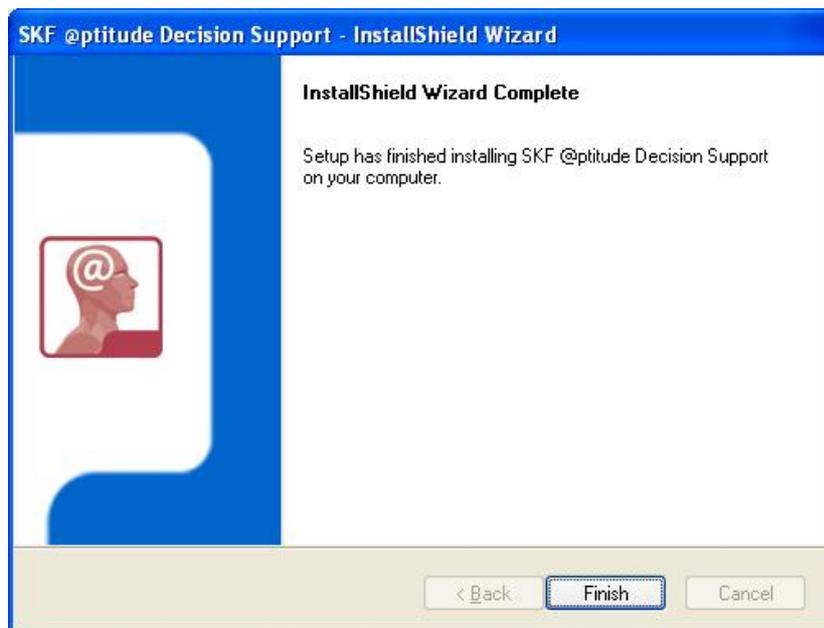


Figure 1 – 7.
The **InstallShield Wizard Complete** Page.

➢ The data folder on the server must remain shared to be accessible for the clients.

## Client Installation

To perform a client installation, a server must be installed first on a PC that is connected and accessible via the network. The client installation operates exactly the same as the server.  The only functions that are not available are the **Server Configuration** and the **Stop** and **Start Server** functions.  (Refer to **Server Installation** earlier in this chapter for more information on server installation.)

**To perform a client installation:**

- Verify that your computer meets the minimum system requirements, then insert the **Application** CD into your CD drive.  The install program automatically launches.

  ➢ If the install program does not run automatically, double click the **Autorun.exe** file on the installation CD to manually launch the install program.

- Select the appropriate language from the displayed menu.  Then choose the SKF @ptitude Applications option on the following screen.  The Product Installation Menu launches.

- On the main Installation screen, select **SKF @ptitude Decision Support.**  The installation files are extracted and the InstallShield Wizard's **Welcome** screen displays.



Figure 1 - 1.
The InstallShield Welcome Screen.

- Click **Next** to continue to the **End User License Agreement** page.
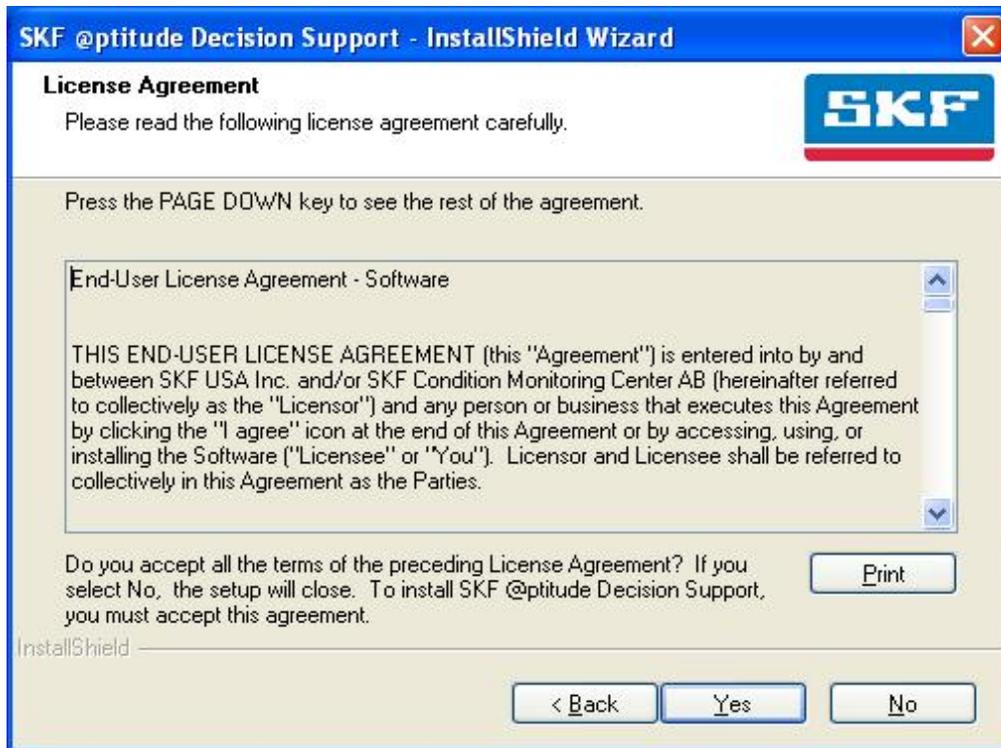
Figure 1 – 2.
The **License Agreement** Screen.

- Carefully read the license agreement. If you do not agree with the terms of the license agreement, click **Cancel** to abort the installation. If you agree with the terms, select **I accept the terms of the license agreement** and click **Yes** to proceed to the **Setup Type** page.
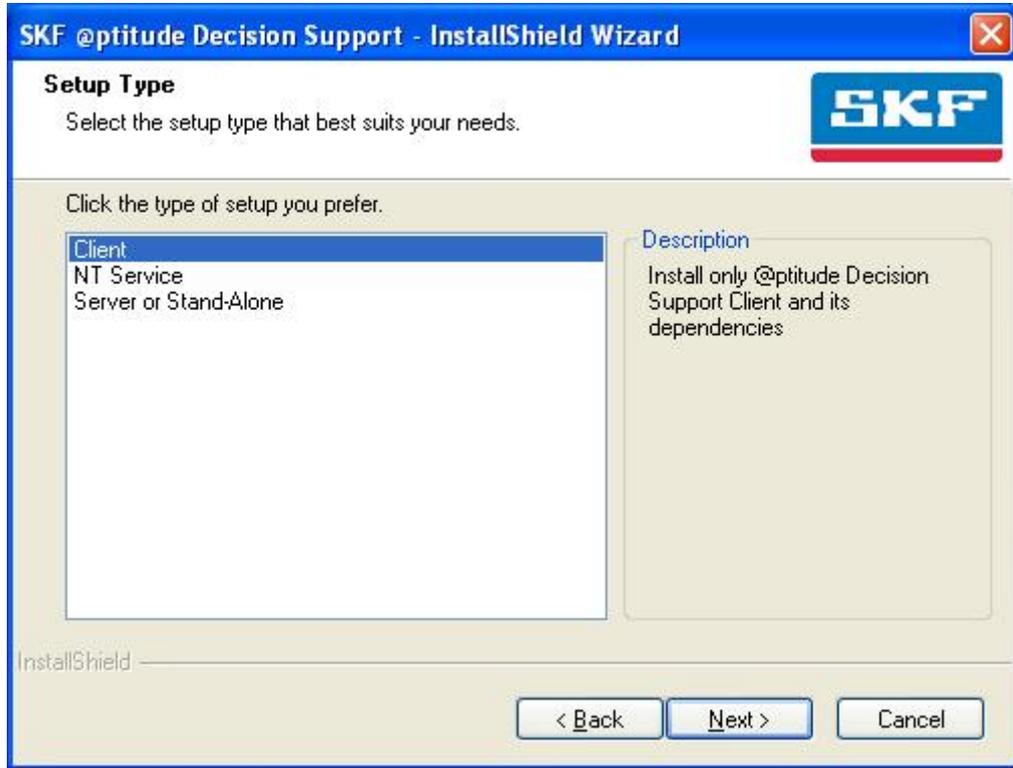
Figure 1 – 3.
The **Setup Type** Screen.

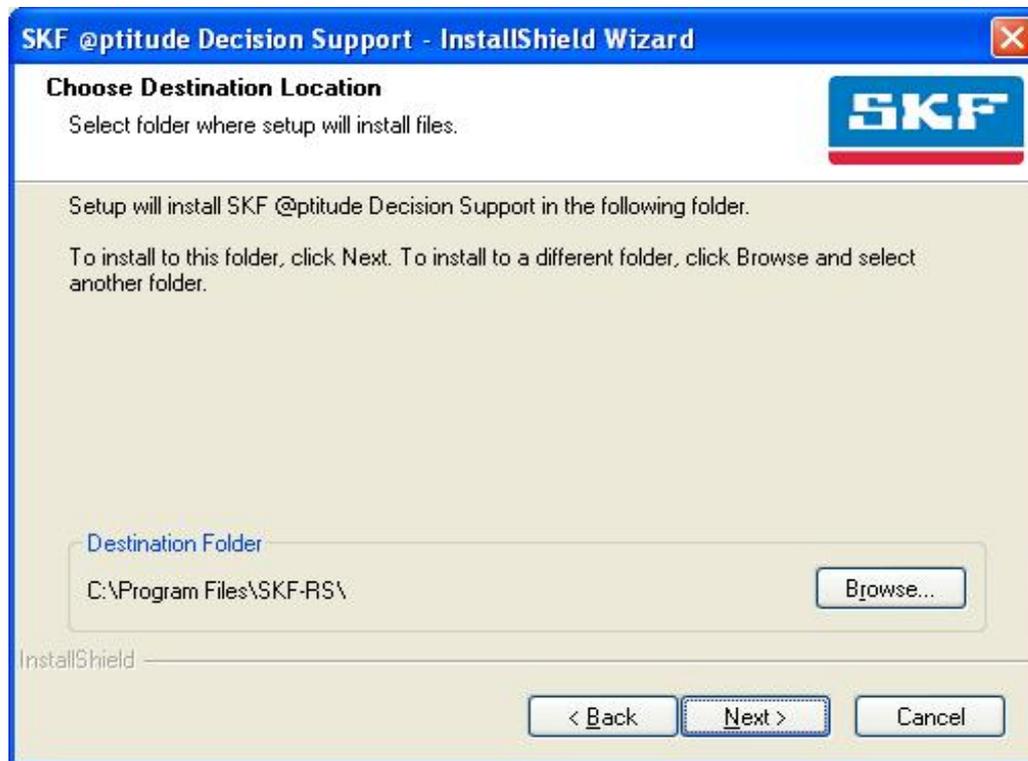- Select **Client** and select **Next.** The **Choose Destination Location** screen displays.

Figure 1 – 4.
The **Choose Destination Location** Screen.

- The default destination folder displays. Accept the default destination or select **Browse** to select another destination folder, and click **Next**. The **Setup Status** page displays.
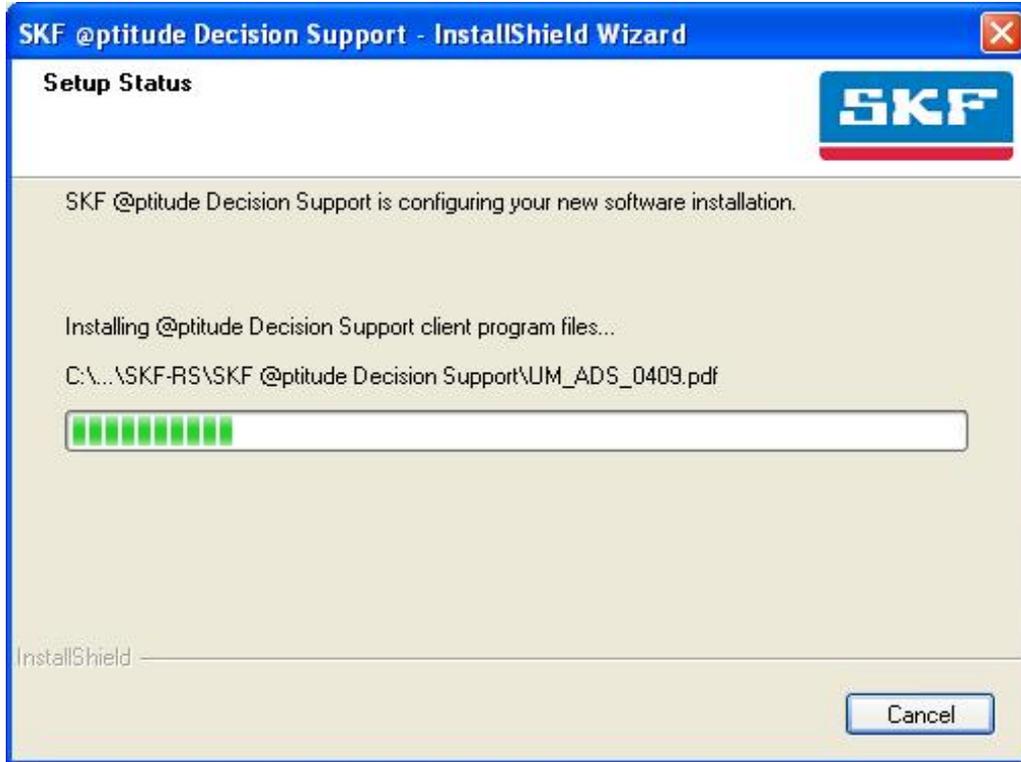
Figure 1 – 5.
The **Setup Status** Screen.

Once the install wizard completes the SKF @ptitude Decision Support setup, the **Serve**r page displays.
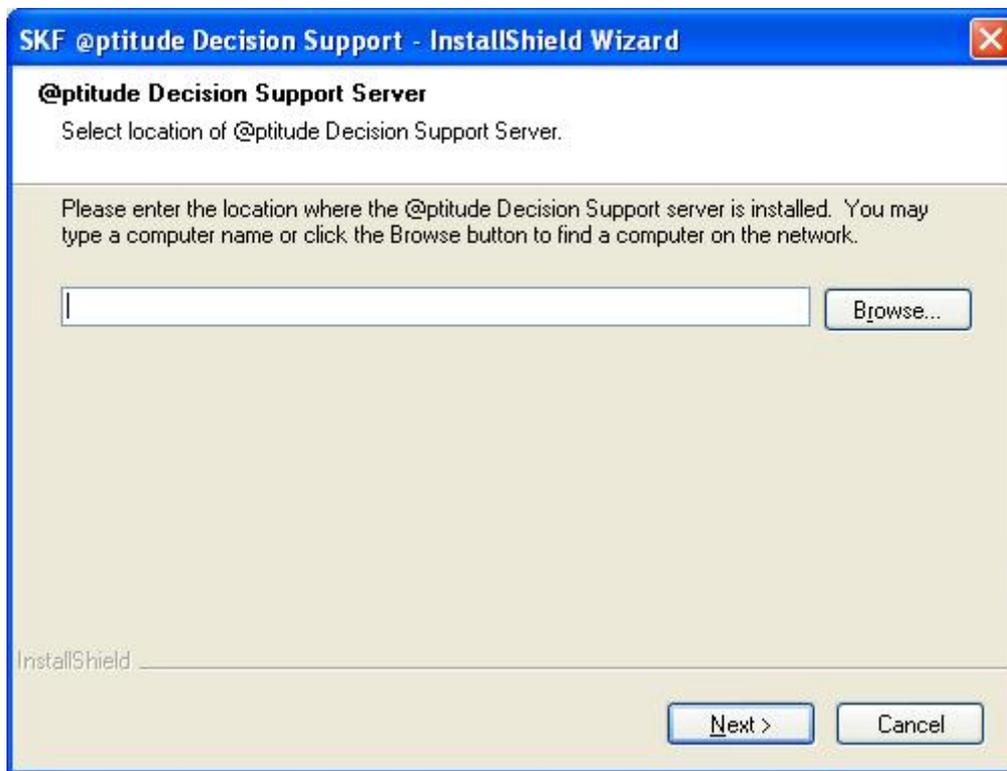
Figure 1 – 6.
The **@ptitude Decision Support Server** Screen.

- Enter the location where the @ptitude Decision Support Server is installed or use the **Browse** button to locate the server on the network.

- Click **Next**. @ptitude Decision Support Client installation begins.

- When the installation is complete, the final setup screen displays. Click **Finish**.

Figure 1 – 7.
The **InstallShield Wizard Complete** Page.

## Working with Different Database Providers

By default, @ptitude Decision Support uses a Microsoft Access database.  If you intend to use Microsoft Access for your database, no further action is required.  If you wish to use Oracle or Microsoft SQL Server instead, you will need to manually create and configure the database.

> ➢ The Oracle or SQL Server database manager must already exist prior to creating a blank database.

**To configure a database:**

- Select **Run** from your **Start** menu.

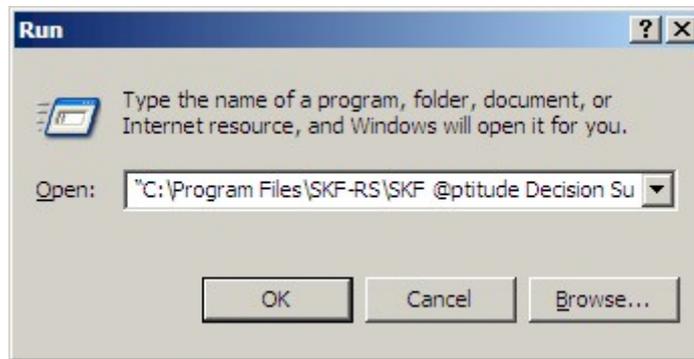- Browse to **skfdsconfig.exe** file your \@ptitudeView Data folder.

Figure A – 8.
The **Run** Dialog.

- Click in the **Open**: field, and press the right arrow to advance to the end of the text line.

- After ".exe" type: (press spacebar) –admin (press spacebar) –dbconfig.  The end of the line should look like this:  skfdsconfig.exe" –admin –dbconfig.



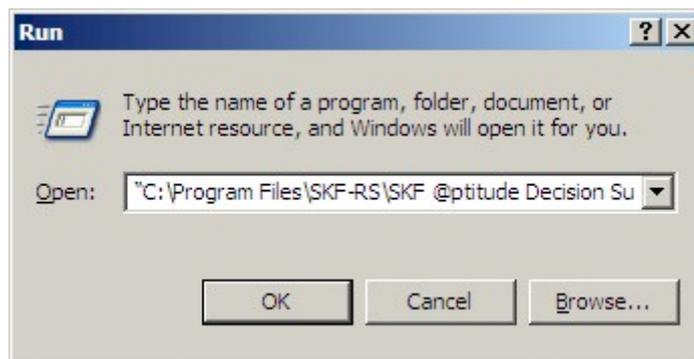Figure A – 9.
The **Run** Dialog.

- Select **OK**.

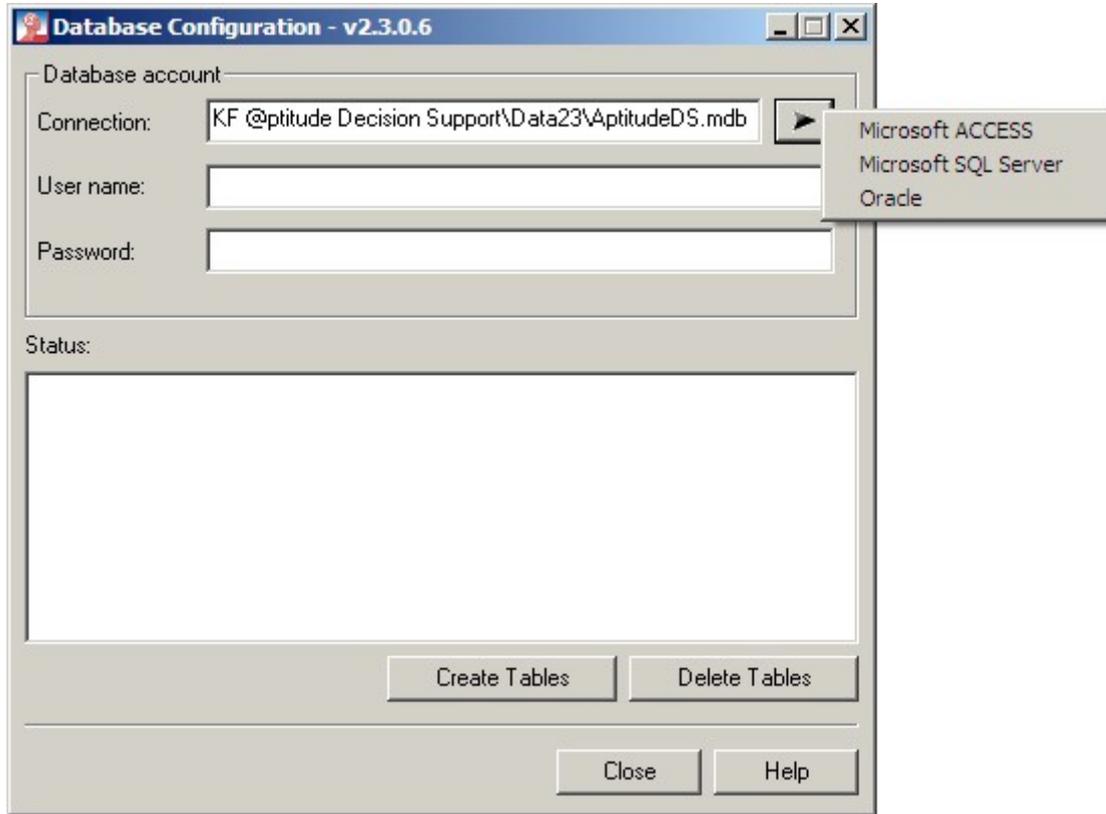The **Database Configuration** screen opens with Admin options.

Figure A – 10.
The **Database Configuration** Dialog.

- Click the arrow button next to the **Connection** field to open a list of the available databases. Your options are:
  - Microsoft ACCESS
  - Microsoft SQL Server
  - Oracle
- Select the desired database from the list.
- Enter the appropriate connection information following the guidelines in the sections below.
- Click **Create Tables**.

The **Administrator Password** dialog opens.



Figure A – 11.
The **Administrator Password** Dialog.

The password is the minutes past midnight on your computer clock. For example, if the current time on your computer clock is 1:32 PM, the password would be 812 (13X60=780 + 32 minutes = 812).

- Enter the appropriate number and click **OK**. The tables are added to the database. A confirmation message appears to indicate the tables have been successfully created.

- Click **OK**.

## Connection information for Oracle

- Open the Database Configuration dialog as described above.

- Select **Oracle** from the **Connection** list. Default Oracle connection information is entered in the field.

- You may need to change the Oracle Instance name in the "Data Source" parameter to match your install.

  ➢ For @ptitude Analyst, the Data Source is usually:

    **Cmlocal** = for single user installations

    **Cmserver** = for network installations

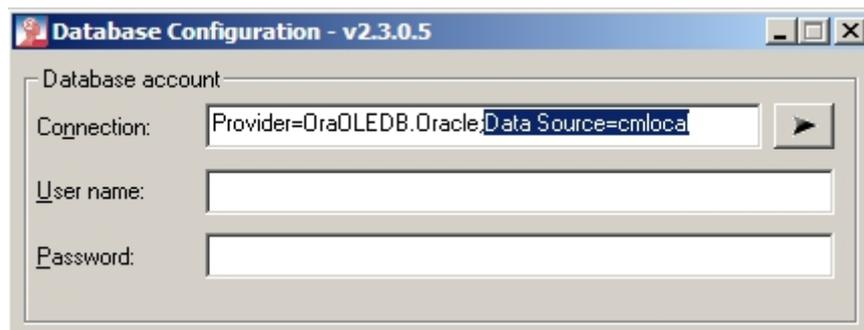    **XE** = for Oracle Express installations



Figure A – 12.
The **Database Configuration** Dialog with Oracle Connection Information.

- Enter the user name and password for the connection.

The user name and password entered here must have rights to connect and create in the database.

  ➢ For @ptitude Analyst, the user name and password is usually:

    **User name**: SKFUSER1

    **Password**: cm

- Finish creating the tables as described above.

- For Oracle connection an ODBC DSN is recommended, instead of OLE DB provider.

## M/S SQL Server

- Open the Database Configuration dialog as described above.

- Select **Microsoft SQL Server** from the **Connection** list.  Default SQL Server connection information is entered in the field.

- You may need to add your server name in the **Connection** field.  Enter the server name in the format "Data Source<servername>."  For example, if your server name is SVR301, the connection string would read: "Provider=sqloledb;Data Source=SVR301;Initial Catalog=Aptitude."
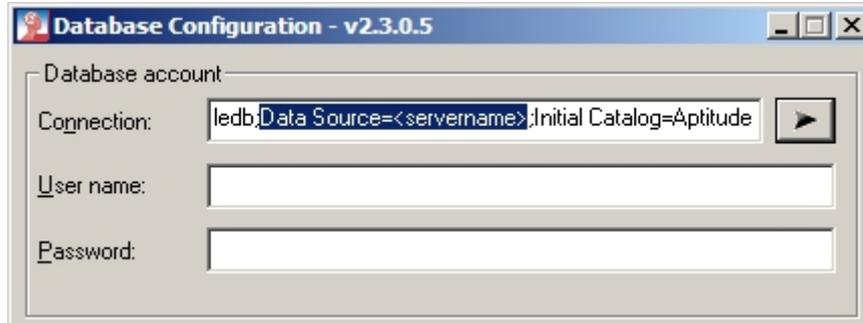


Figure A – 13.
The **Database Configuration** Dialog with MS SQL Connection Information.

When using Microsoft SQL Server as the @ptitude Decision Support database, the connection string must use OLE DB provider and not an ODBC DSN.  The ODBC DSN has an issue with multiple threads accessing the same open Connection.  For more information, please refer to the Microsoft articles:
http://support.microsoft.com/default.aspx?scid=kb;en-us;175313

and

http://support.microsoft.com/default.aspx?scid=kb;EN-US;110227

- Enter the user name and password for the connection.

The user name and password entered here must have rights to connect and create in the database.

- Finish creating the tables as described above.

## M/S Access

An empty @ptitude Decision Support Access database is provided and installed in the Data23 folder.

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