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Xerox® FreeFlow® Core

Installation Guide: Windows Server 2012 R2 Update



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Prerequisites

Supported Operating Systems

- Windows Server 2012 R2 Update Recommended for most production environments.
- Windows 8.1 Update (64-bit) Recommended for production environments with light workloads.
- Windows Server 2008 R2 SP1

Note

MSHotfix for Windows Server 2008 R2 SP1 required

http://support.microsoft.com/default.aspx?scid=kb;en-US;2545227

Windows 7 SP1 (64-bit)

Note

MSHotfix for Windows 7 SP1 required

http://support.microsoft.com/default.aspx?scid=kb;en-US;2545227

Note

Additional installation guides may be obtained from the Drivers & Downloads section in the Xerox® FreeFlow® Core page: http://xerox.com/automate.

Note

Foundation, Core, Home, and Starter editions of all Microsoft Operating Systems are not supported.

Note

Xerox® FreeFlow® Core does not support installation on computer systems that utilize Federal Information Processing Standards (FIPS). For more information on Federal Information Processing standards and guidelines, refer to the National Institute of Technology and Standards (NITS) web site at: http://www.nist.gov/itl/fipsinfo.cfm

Required Third Party Software

- Microsoft .NET Framework 3.5 SP1 (required for SQL Server Management Studio)
- Microsoft .NET Framework 4.5
- Internet Information Services (IIS) 7.5 or higher
- Microsoft SQL Server 2014 Express with Tools or Standard or Microsoft SQL Server 2012 Express SP1/SP2 with Tools or Standard
- Silverlight 5.1.30514.0 or higher (if required, downloads and installs automatically when opening the Xerox® FreeFlow® Core UI)

Optional Third Party Software

- Required for Microsoft Office Conversion
 - Microsoft Office 2013 (64-bit)
- Required to open and view PDF files
 - Adobe Reader XI

Supported Web Browsers

- Internet Explorer 10 or higher via compatibility mode on Windows 7 (64-bit), Windows 8.1 Update (64-bit), Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2 and Windows Server 2012 R2 Update
- Firefox 27 or higher on Windows 7 (64-bit), Windows 8.1 Update (64-bit), Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2 and Windows Server 2012 R2 Update
- Firefox 27 or higher on Mac OS X 10.7 or later
- Safari 6.1.4 or higher on Mac OS X 10.7 or later

Installing Xerox® FreeFlow® Core

This Xerox® FreeFlow® product is offered subject to your acceptance of the license agreement included with the software and is subject to limited warranty terms. See the Xerox® FreeFlow® Core Software License Agreement for details.

Xerox®FreeFlow® Core Licensing

Trial License

Xerox® FreeFlow® Core may be installed in trial mode without a license. The trial version is fully functional for 45 days.

Production License

The Xerox® FreeFlow® Core Enablement Kit delivered with your order contains your Activation key(s) and Product Serial Number. Depending on your product configuration you will receive one or more Enablement kits with an Activation key for each module.

Xerox® FreeFlow® Core may be licensed during installation over the Internet. If the Xerox® FreeFlow® Core server does not have access to the Internet, you will need to obtain a license file using the Xerox Software Activation Portal:

1. Open the Software Activation Portal website:

https://www.xeroxlicensing.xerox.com/activation/

- 2. Enter your Activation Key. Click **Next**.
- 3. Enter all Xerox® FreeFlow® Core requested User Information. Click Next.
- 4. Review the license information.
 - Select Back to make changes.

- Select Activate Another License to redeem additional Activation Keys.
- Once you have redeemed all Activation Keys, select Save and Download License File to save the file to the local system.
- 5. Close the web browser to exit the Software Activation Portal.

Backup License

You must obtain a valid backup license file from Xerox before installing the software. Do not attempt to license the software over the Internet or use the Xerox Software Activation Portal to obtain a license during the installation process. Refer to the instructions that came with your Xerox® FreeFlow® Core backup software Enablement kit for a Xerox Licensing Center in your region.

The license for the backup system includes license entitlement for all Xerox® FreeFlow® Core optional modules purchased with the production system.

Prepare for System Installation

- 1. Install all Windows Updates.
- 2. Disable antivirus software during the installation process.
- 3. Ensure the Xerox® FreeFlow® Core system is configured with a static IP address.
- 4. If installing SQL Express using the preinstaller, ensure the preinstaller language and the operating system language are the same. SQL Express will not install if the languages are different.

Note

The preinstaller may be used to configure system settings without installing SQL Server. When using the preinstaller in this manner, the preinstaller language and the operating system language do not have to be the same.

- **5.** If Microsoft Office file conversion is required, install MS Office 2013 (64 bit) before installing Xerox® FreeFlow® Core.
- **6.** If required, enable or download and install .Net Framework 3.5 SP1 for Windows Server 2012 (all releases):

http://technet.microsoft.com/en-us/library/dn482071.aspx

SQL Server Installation and System Configuration

1. Run the Xerox® FreeFlow® Core Preinstaller: FreeFlowCore-4.0.x.x-PreInstall yy.exe.

- 'yy' represents the language code
- 2. In the Xerox[®] FreeFlow[®] Core Prerequisites Tool window, select **Next**.
- 3. If you are installing SQL Server or a new SQL Server database instance for Xerox® FreeFlow[®] Core, in the Database Settings window, select **Check this box to install** SQL Express 2014.

Note

Do not use this option if you are using a remote SQL Server. If an unsupported version of SQL Server is installed, follow the manual SQL Server Installation instructions in Appendix B.

- 4. Determine if access to the database will be via the SQL Administrator Account (sa) or Windows Authentication.
 - If you are using the SQL Administrator Account, enter the password. This password is assigned to the SQL Server (sa) account during installation.
 - If you are using Windows Authentication, select the Check this box to use SQL Windows Authentication. The currently logged in user will gain SQL Administrator privileges during SQL Server installation.
- Enter the Database Instance ID.
- **6.** Select **Next** to continue.
- 7. Click Finish when the pre-installation completes.
- 8. Reboot.

If the pre-installation completes with an error message, follow the manual SQL Server Installation and System Configuration instructions in Appendices A and B.

Installing the Xerox® FreeFlow® Core Software

- 1. Double-click **FreeFlowCore-4.0.x.x-Setup.exe** to run the file.
- 2. Select Yes, if prompted, to allow an unknown publisher to make changes to this computer.
- 3. Select the desired language for the Installer user interface to display and click OK.
- 4. In the Welcome window, click Next.
- 5. In the Custom window, click **Next**.
- 6. In the License Agreement window, accept the terms of the license agreement and click Next.
- 7. If necessary, change the destination and workflow data folder so that Xerox[®] FreeFlow® Core is installed on your largest hard drive partition, and click Next.
- 8. If the required prerequisites are not configured and a System Check log appears, do the following:
 - a) Cancel the Xerox® FreeFlow® Core installation.

Xerox® FreeFlow® Core

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- b) Look for the "ERROR"s and configure the appropriate requirements per instructions in Appendices A and B.
- c) Return to the Xerox® FreeFlow® Core installation.
- **9**. Add a license.
 - a) If you have a license file, select **Add or Change license dat file** and select the license file using the open file dialog. Click **Next**.
 - b) If you have an Activation key, select License over the Internet using Activation Key. Click Next. The License Tool opens.
 - 1. Select Download license from Software Activation Portal. Click Next.
 - 2. On the SWAP Instructions, click **Next**.
 - 3. Enter the required information on the next two screens and click **Next**. The license is automatically added to your system.

Note

You must use the Xerox® FreeFlow® Core Base Activation Key during installation. If the Xerox® FreeFlow® Core configuration contains optional modules, refer to License Updates, once you complete the installation in order to update the Xerox® FreeFlow® Core license and enable the additional optional module(s).

- 4. Click Finish. The License Tool closes.
- 5. Click **Next** to continue the Xerox[®] FreeFlow[®] Core installation without rebooting.
- c) If installing a 45 day trial, select **Install Trial Software**. Click **Next**.
- **10.** If prompted, enter the SQL Server database information. Click **Next** and do one of the following:
 - If Using Windows Authentication: Select Check this to use SQL Windows Authentication.

Note

The currently logged in user must have SQL Server Administrator privileges. If SQL Server was installed using the currently logged in user, that user was given SQL Server Administrator privileges.

- **If Using Mixed Mode Authentication**: Enter the System Administrator name (sa) and password used during the SQL Server installation.
- **11.** Continue with the following:
 - a) Enter the **Database Instance ID**.

The Server name in SQL Server is formatted as hostname \scripts. Only the Instance ID is required.

- b) Enter **localhost** as the Database System Host Name if you are using a local database, or enter the DNS Name or IP address of the server running SQL Server if you are using a remote database.
- **12.** Click **Install** to begin the installation.

13. Upon completion, click **Finish** and then **Yes** to restart the system.

License Updates

You may need to update the Xerox® FreeFlow® Core license:

- if the Xerox® FreeFlow® Core configuration contains optional modules and you elected to License over the Internet using Activation Key during installation.
- when upgrading a Trial license to a Production license.

To update Xerox® FreeFlow® Core licensing:

- 1. Run the License Tool.
- 2. For each license file or Activation Key, follow the **Add a license** step in the Xerox® FreeFlow® Core installation instructions.
- 3. Reboot when all license files have been installed or when all Activation Keys have been redeemed.

Web Browser Configuration

Internet Explorer 10 and Higher

Set the browser to compatibility view mode and restart it before using the browser with Xerox® FreeFlow® Core. If the browser is not set to run in compatibility view, the Silverlight application freezes.

Safari on Mac OS X 10.9 Mayericks

- 1. Open the Xerox® FreeFlow® Core UI.
- 2. Go to Preferences > Security > Internet plug-ins > Manage Website Settings.
- 3. Set the Silverlight plugin to **Always Allow**. If the Silverlight plugin is set to **Run in Safe Mode** file uploads will fail.

Firefox

- 1. Open the Xerox® FreeFlow® Core UI.
- 2. Select Activate Silverlight in the browser window.
- **3.** Set the Silverlight plugin to **Allow and Remember**.

Xerox[®] FreeFlow[®] Core Installation Guide: Windows Server 2012 R2 Update Installing Xerox® FreeFlow® Core

Optional Installation Procedures

Windows Shared Folders or Microsoft Office Conversion Setup

File access using Windows Shared Folders and conversion of Microsoft Office files require use of a Windows account for the Xerox® FreeFlow® Core service.

This Windows account must have:

- Local Administrator rights to the Xerox® FreeFlow® Core service.
- Ownership of the OapPlatformDatabase in the SQL Server instance defined during installation.
- Ownership of the oapeventmessagequeue in Message Queueing.
- Access to the required Windows Shared Folders.

Use of the account that was used to install SQL Server as the Windows account for the Xerox® FreeFlow® Core service is recommended. That account meets the first two requirements, above.

Setting the Xerox® FreeFlow® Core Service Logon for Windows Server 2012 R2 Update

- 1. Launch Server Manager.
- 2. Select Tools > Computer Management.
- 3. Select Services and Applications > Services.
- 4. To stop the service, right-click **FreeFlow Core** service and click **Stop**.
- 5. Right-click the **FreeFlow Core** service and click **Properties**.
- 6. Click the Log On tab and click This Account. Click Browse.
- 7. Under Enter the object name to select, enter the name of the service account, such as Administrator, and click **Check Names**.
- 8. Click OK.
- 9. Enter the password and click OK.
- **10.** Click **OK** to confirmation messages.
- **11.** Right-click on the **FreeFlow Core** service and click **Start** to start the service.

Setting the Message Queuing Security for Windows Server 2012 R2 Update

- 1. Launch Server Manager.
- 2. Select Tools > Computer Management.
- 3. Select Services and Applications > Message Queuing > Private Queues.
- 4. Right-click oapeventmessagequeue and click Properties.
- 5. Click the **Security** tab and click **Add**.
- **6.** Under Enter the object name to select, enter the name of the service account, such as Administrator, Click **Check Names** and click **OK**.

The service account must be the account used for the Xerox® FreeFlow® Core service logon.

7. Under Permissions for Administrator, check **Full Control** and click **OK** to allow all permissions.

Setting the SQL Server OAP Database Owner

The service account must have ownership of the OAP Database. If the service account was used to install Xerox® FreeFlow® Core, then it already has ownership of the OAP Database and no further configuration is needed. If the service account was not used to install Xerox® FreeFlow® Core, then that account must have Owner access to the OAP database.

- 1. Launch SQL Server Management Studio.
- Enter the Server Name and Instance, select the Authentication type, and click Connect in the Connect to Server dialog.
- 3. Click **Security > Logins**.
- 4. If the account used to run the Xerox® FreeFlow® Core Service is not listed:
 - a) Right-click and select New Login.
 - b) Click **Search** next to the Login name.
 - c) Under **Enter the object name to select**, enter the name of the account that will be used to run the service, and click **Check Names**.
 - d) When the name appears on the list, click **OK** twice to confirm creation of the new login.
- 5. Click **Databases > OapPlatformDatabase**, right-click, and click **Properties**.
- 6. Click Files.
- **7.** Click ... next to **Owner**.
- 8. Under Enter the object name to select, enter the name of the account, and click Check Names.
- **9.** Select the name from list and click **OK** twice to set the service account as the owner.
- 10. Click OK again to commit the changes.
- 11. Close SQL Server Management Studio.

Adding Shared Folder Credentials to the Windows Account

If the Windows account used for the Xerox® FreeFlow® Core service has access to the shared folders then additional configuration is not required.

Note

Shared folders must be UNCs (e.g. \\server>\spath>\file.ext). Mapped drives are not supported.

To validate access to a shared folder:

- 1. Log into the Xerox® FreeFlow® Core server using the Windows account used for the Xerox® FreeFlow® Core service.
- 2. Launch Run.
- 3. Type the UNC to a folder or file in the shared directory and select **OK**. The file or folder will open without prompting for credentials.

Add Credentials to Windows Server 2012 R2 Update Account

If needed, credentials can be added to the Windows account used for the Xerox® FreeFlow® Core service.

- 1. Select Control Panel > User Accounts > Credential Manager > Windows Credentials.
- 2. Select Add a Windows Credential.
- 3. Specify the server **Internet or network address** and a valid **User name** and **Password**. Click **OK**.
- **4.** Validate access per instructions above.

Post Installation Steps

Create an Administrator Account

1. Open the Xerox® FreeFlow® Core UI: Select **Start**. Type "FreeFlow" and select **FreeFlow Core** from the Search Results.

To access Xerox® FreeFlow® Core from a remote system, go to the following URL:

- http://<hostname or ip address of FreeFlow Core server>/freeflowcore
- **2.** If prompted to load Silverlight, select **Click now to install**, and follow the instructions. Once it is installed, close your browser, and relaunch Xerox® FreeFlow® Core.
- **3.** Enter the Username and Password for an administrator account. You will log on after the account is created.

Easy Start Workflows

To configure your system with predefined workflows, download the Xerox® FreeFlow® Core Easy Starts package from the Drivers & Downloads section of the Xerox® FreeFlow® Core webpage http://xerox.com/automate and follow the provided instructions.

Windows Firewall and Virus Protection

Windows firewall enablement and configuration details are provided in the Xerox® FreeFlow® Core Security Guide. This guide also includes anti-virus software configuration recommendations. The Xerox® FreeFlow® Core Security Guide is available from the Xerox Security Information website: http://www.xerox.com/information-security/.

Post Installation Steps

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Upgrades

In order to perform the upgrade, you will need to obtain a new license(s) for version 4.0 using your existing Xerox® FreeFlow® Core 3.0 product Serial Number and Activation Key(s).

Obtaining a New License

To update the Xerox® FreeFlow® Core license:

- **1.** Open the Xerox Software Activation Portal (SWAP) website: https://www.xeroxlicensing.xerox.com/activation/.
- 2. Enter your Activation Key. Click Next.
- 3. Enter your Hardware Address (MAC ID).
- 4. Enter your Serial Number. Click Next.
- **5.** Enter all Xerox® FreeFlow® Core requested User Information. Click **Next**.
 - a) Select **Back** to make changes.
 - b) Select Activate Another License to redeem additional Activation Keys.
 - c) Once you have redeemed all Activation Keys, select **Save and Download License File** to save the file to the local system.
 - d) Close the web browser to exit the Software Activation Portal.
- **6.** Upload the license file in Xerox® FreeFlow® Core as outlined in Upgrade Procedure below.

Each time an Activation Key for an optional module is redeemed subsequent to redeeming the Activation Key for the Xerox® FreeFlow® Core Base software, the license for the optional module(s) is appended to the Base software license file. If all Activation Keys are redeemed in succession, the final license file received will include entitlement for the Base software and any/all optional modules and only needs to be installed once unless additional optional modules are added to an existing installation.

If all Activation Keys are not redeemed, the optional module(s) for which an Activation Key(s) has not been redeemed will not be licensed or enabled in the software. To resolve this, repeat the steps described above in order to append the Activation Key(s) for the additional option(s) to the existing license file, and re-download the license file.

Upgrading from Xerox® FreeFlow® Core 3.0

Review Chapter 2 for Xerox® FreeFlow® Core 4.0 configuration requirements that were not required for Xerox® FreeFlow® Core 3.0.

Once you have obtained a new license for version 4.0, and the additional prerequisites have been enabled, upgrade to Xerox® FreeFlow® Core 4.0.

- 1. Double-click **FreeFlowCore-4.0.x.x-Setup.exe** to run the file.
- **2.** Select **Yes**, if prompted, to allow an unknown publisher to make changes to this computer.
- 3. Select the desired language for the Installer user interface to display and click OK.
- 4. In the Welcome window, click Next.
- **5.** In the Custom window, click **Next**.
- **6.** In the License Agreement window, accept the terms of the license agreement and click **Next**.
- 7. If necessary, change the destination and workflow data folder so that Xerox® FreeFlow® Core is installed on your largest hard drive partition, and click **Next**.
- **8.** If the required prerequisites are not configured and a System Check log appears, do the following:
 - a) Cancel the Xerox® FreeFlow® Core installation.
 - b) Look for the "ERROR"s and configure the appropriate requirements per instructions in Appendices A and B.
 - c) Return to the Xerox® FreeFlow® Core installation.
- 9. Add a license.
 - a) If you have a license file, select **Add or Change license dat file** and select the license file using the open file dialog. Click **Next**.
 - b) If you have an Activation key, select License over the Internet using Activation Key. Click Next. The License Tool opens.
 - 1. Select Download license from Software Activation Portal, Click Next.
 - 2. On the SWAP Instructions, click **Next**.
 - 3. Enter the required information on the next two screens and click **Next**. The license is automatically added to your system.

Note

You must use the Xerox® FreeFlow® Core Base Activation Key during installation. If the Xerox® FreeFlow® Core configuration contains optional modules, refer to **Section 5**, License Updates, once you complete the installation in order to update the Xerox® FreeFlow® Core license and enable the additional optional module(s).

- 4. Click Finish. The License Tool closes.
- 5. Click **Next** to continue the Xerox[®] FreeFlow[®] Core installation without rebooting.
- c) If installing a 45 day trial, select **Install Trial Software**. Click **Next**.
- **10.** If prompted, enter the SQL Server database information. Click **Next** and do one of the following:
 - If Using Windows Authentication: Select Check this to use SQL Windows Authentication.

Note

The currently logged in user must have SQL Server Administrator privileges. If SQL Server was installed using the currently logged in user, that user was given SQL Server Administrator privileges.

- **If Using Mixed Mode Authentication**: Enter the System Administrator name (sa) and password used during the SQL Server installation.
- **11.** Continue with the following:
 - a) Enter the Database Instance ID.
 - The Server name in SQL Server is formatted as <nostname>\<Instance ID>. Only the Instance ID is required.
 - b) Enter **localhost** as the Database System Host Name if you are using a local database, or enter the DNS Name or IP address of the server running SQL Server if you are using a remote database.
- **12**. If prompted, enter the password for the Windows logon account used for Xerox® FreeFlow® Core.

Note

Choosing the option to **Configure FreeFlow Core to use the Local System account** will disable use of shared directories and conversion of Microsoft Office file conversion.

- **13.** Click **Install** to begin the installation.
- **14.** Upon completion, click **Finish** and then **Yes** to restart the system.

Optional

If you are using Windows Shared Folders or Microsoft Office Conversion, once you upgrade your system, you need to perform the following from the Optional Installation Procedures chapter:

- Setting the Xerox® FreeFlow® Core 4.0 Service Logon
- Setting the Message Queuing Security

Upgrades

Appendix A: Manual System Configuration

.Net Framework 4.5.x

If required, enable or download and install .Net Framework 4.5.x from http://www.microsoft.com/en-us/download/details.aspx?id=30653.

Internet Information Services 8.5 on Windows Server 2012 R2 Update

- 1. Launch Server Manager.
- 2. To launch the Add Roles and Features Wizard, select **Add roles and features** from the Welcome Tile and click **Next**.

Note

Always select **Add Features** or **OK** when popup windows prompt to add features that are required for a selected feature.

- 3. Select Role-based or feature-based installation and click Next.
- **4.** Select **Next** to select the local server.
- 5. Under Roles, select Web Server (IIS) and click Next.
- **6.** Select the following features:
 - Net Framework 4.5 Features
 - .NET Framework 4.5

- ASP.NET 4.5
- WCF Services
 - HTTP Activation
 - Message Queuing (MSMQ) Activation
 - TCP Port Sharing
- Message Queuing*
 - Message Queuing Services*
 - Message Queuing Server*
 - Directory Service Integration*
 - HTTP Support*
- **7.** Select **Next** twice.
- **8.** Select the following Role Services for the Web Server Role (IIS):
 - Common HTTP Features
 - Default Document
 - Directory Browsing
 - HTTP Errors
 - Static Content
 - HTTP Redirection*
 - Health and Diagnostics
 - HTTP Logging
 - Logging Tools*
 - Request Monitor
 - Tracing*
 - Performance
 - Static Content Compression
 - Security
 - Request Filtering
 - Basic Authentication
 - Windows Authentication

- Application Development
 - .NET Extensibility 4.5
 - ASP.NET 4.5
 - ISAPI Extensions
 - ISAPI Filters
- Management Tools
 - IIS Management Console
 - IIS 6 Management Compatibility
 - IIS 6 Metabase Compatibility
- **9.** Select **Next**. Enable the **Restart the destination server automatically if required** option and select **Install**.
- **10.** Close the Add Roles and Features Wizard after installation. The server restarts if required.

Note

Items denoted with asterisks (*) are newly required for FreeFlow Core 4.0.

Appendix A: Manual System Configuration

Appendix B: Manual SQL Server Installation

Install Microsoft SQL Server 2014 Express with Tools

Note

The instructions for other versions may vary.

Download Microsoft SQL Server 2014 Express with Tools (SQLEXPRWT_x64_xxx.exe).
 The software can be downloaded from the Microsoft SQL Server Express site:
 http://www.microsoft.com/en-us/download/details.aspx?id=42299.

xxx represents the language code.

- 2. Install SQL Server 2014 SP1 Express with Tools.
 - a) Launch the SQLEXPRWT_x64_xxx.exe.
 - b) Select a directory where you want the files extracted and select **OK**.
 - c) On SQL Server Installation Center Dialog, select **New SQL Server stand-alone or add features to an existing installation**.
 - d) On the License Terms, accept the terms. Click **Next**.
 - e) On Microsoft Updates, click **Use Microsoft Update to check for updates (recommended)** and then click **Next**. Updates will automatically download and install.
 - f) On Feature Selection, click Next.
 - g) On Instance Configuration, select Named Instance. Click Next.

You may optionally change the instance ID. The Instance ID is required during the Xerox® FreeFlow® Core installation.

- h) On Server Configuration, change the **SQL Server Browser Startup Type** to **Automatic**. Click **Next**.
- i) On Database Engine Configuration, do one of the following to set up the Authentication Mode:
 - Windows Authentication: Select Windows authentical mode.
 - **SQL Server System Administrator (sa)**: Select **Mixed Mode**. Enter a password for the "sa" account. Click **Next**.

The "sa" account password is required during the Xerox® FreeFlow® Core installation.

- j) Once the installation is complete, click **Close**.
- k) Close the SQL Server Installation Center.

Install Microsoft SQL Server 2014 Standard

Install SQL Server following instructions provided by Microsoft using the following options.

- 1. On SQL Server Installation Center dialog, select **Install** from the left side.
- 2. On SQL Server Installation Center dialog, select **New SQL Server stand-alone** installation or add features to an existing installation.
- 3. In the Setup Support Rules dialog, click **OK**.
- **4.** In the Product Key dialog, enter the Product Key.
- **5.** On the License Terms, accept the terms.
- **6.** In the Setup Roles dialog, select **SQL Server Feature Installation**.
- 7. In the Feature Selection dialog, select the following options, the same as SQL EXPRESS:
 - a) SQL Server Replication
 - b) Management Tools Complete
 - c) SQL Client Connectivity SDK
- **8.** On Instance Configuration, select **Named Instance** and specify a named instance, for example, FREEFLOWCORE.

Do not use MSSQLSERVER as the instance ID. The Xerox® FreeFlow® Core installation will fail to configure the database if this is the instance ID.

- **9.** On Server Configuration, if it is not already selected, modify the SQL Server Browser Startup Type to **Automatic**.
- **10.** On Database Engine Configuration, do one of the following to set up the Authentication Mode:
 - Windows Authentication: Select Windows authentical mode.

• SQL Server System Administrator (sa): Select Mixed Mode. Enter a password for the "sa" account. The "sa" account password is required during the Xerox® FreeFlow® Core installation.

Select **Add Current User** to register the logged on desktop user as a SQL Server Administrator. Click **Next**.

11. Select Install to install the software.

Appendix B: Manual SQL Server Installation

