SureSync

Endpoint
Evaluator's Guide

SoftwarePursuits

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Introduction

New challenges are presented to information technology departments around the world as workers become increasingly mobile. How does a company easily protect data on employee laptops? How do you reliably distribute updated price sheets or other critical documents to those same users? How does one deal with the fact that users could be on a number of different network connections over the course of a day?

SureSync Endpoint is an innovative software solution for companies interested in:

- Protecting data on remote employee laptops and desktops
- Distributing data to remote employee laptops and desktops
- Enable multi-way collaboration involving remote employee laptops and desktops

SureSync Endpoint allows a company to be in control of data storage instead of being dependent upon the shared cloud storage options available in many consumer products. With SureSync Endpoint, a small client is installed on each machine to be protected. When the client launches, job configuration information is retrieved from the SureSync server. The client then launches the job(s) and processes the defined data.

With SureSync Endpoint, an administrator is able to configure a Job once on the server and assign it to many clients. Changes made to the Job configuration are automatically propagated out to the clients. SureSync Endpoint's unique architecture requires only name resolution from the clients to the server. The client establishes all connections, reducing complexity of the deployment. SureSync Endpoint shares a common server-side user interface with all applications in the SureSync Data Availability & Protection Suite, allowing you to perform many data management tasks from one easy-to-use solution. All of these features simplify management and reduce administrative overhead.

This Evaluator's Guide is designed to walk you through the initial setup of SureSync Endpoint. This configuration is broken into two sections: the server setup and the client setup. This guide focuses on laptop protection as an example setup.

System Requirements

SureSync basic operating system and hardware requirements are:

- **Supported Operating Systems:** Windows Server 2022; Windows Server 2019; Windows Server 2016; Windows Server 2012 R2; Windows Server 2012; Windows Server 2008 R2 with SP1; Windows Server 2008 with SP2; Windows 10; Windows 8.1; Windows 8; Windows 7; Windows Vista with SP2
- **Processor:** Minimum: 1Ghz (x86 processor) or 1.4Ghz (x64 processor). Recommended: 2Ghz or faster processor (x86 or x64 processor)
- **RAM (total for system):** 1GB (Minimum); 2GB (Recommended)
- **Hard Disk:** 30MB for application files; 20MB+ for database
- **Display:** 1024x768 high color, 32-bit (Minimum)

SureSync is a 32-bit application but will run on 64-bit versions of Windows. 64-bit editions of Windows include full featured emulation for running 32-bit code that allows SureSync to run on these operating systems. The File Locking Add-on is 64-bit compatible.

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SureSync can synchronize data to operating systems such as Windows 2000, and non-Windows machines such as Macintosh and Linux machines via UNC path but the software itself must be installed on one of the supported operating systems listed above.

Windows 2003/XP Support – Communications Agent Only

Windows 2003 and Windows XP are no longer supported by Microsoft. User interface components such as the SureSync Desktop, status panels, SyncLockStatus and Endpoint require the .NET Framework 4.5.2. This version of the .NET Framework is not available for these operating systems. Machines running any of these components must be upgraded to a supported operating system.

A version of the Communications Agent running the .NET Framework 4.0 will be installed automatically on Windows 2003 with SP2, Windows 2003 R2, and Windows XP with SP2 machines. This allows you to synchronize files to paths on these operating systems using Communications Agent functionality. You can also synchronize to them via UNC path.

Virtualization

SureSync can be run on Windows operating systems hosted in virtualization software such as VMWare or Hyper-V without issue. Each virtual machine involved in the synchronization / replication requires appropriate licensing.

SureSync Database Requirements

SureSync requires a database to store configuration information. The following formats are supported:

- Microsoft Access (default)
- SQL Express 2005, 2008, 2012, 2014, 2016, 2017 and 2019
- SQL Server 2005, 2008, 2012, 2014, 2016, 2017 and 2019

While SureSync will operate with older versions of SQL Server, it is strongly recommended to use the newest possible release to take advantage of performance and reliability enhancements in those versions of SQL Server.

> To achieve optimal performance, SQL database is strongly recommended for setups using multi-directional rule types, environments with more than 50 Relations defined, or environments where hundreds of thousands of files will be processed.

SureSync requires a number of Microsoft components to be installed on the system. The SureSync installer will inspect your system for these components and offer to upgrade or install them as needed.

- Microsoft .NET Framework 4.5.2
- Microsoft .NET Framework 4.0 (Windows 2003/XP)
- Microsoft MDAC 2.8 Refresh with Service Pack 1
- Microsoft Visual C++ Runtime 14.0 (Visual Studio 2015)
- Microsoft Windows Installer 3.1
- Microsoft XML Parser 6.0
- Microsoft Jet 4.0 with Service Pack 8

Please note that using the SureSync installer to install these prerequisites could result in a reboot being necessary before the setup can continue. If a reboot is necessary, the installer will prompt

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you. In environments where a reboot is disruptive, we recommend installing the required components manually during your normal maintenance schedules and then proceeding to install SureSync.

Contact Information

If you need further information about SureSync Endpoint or need clarification on anything within this guide, please contact our support group and they will be happy to assist you with your evaluation.

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Fax: +1-650-372-2912

Sales e-mail: sales@softwarepursuits.com
Support e-mail: support@softwarepursuits.com

Technical support is available between 7:00AM and 4:00PM PST Monday through Friday.

SureSync Endpoint Architecture

SureSync Endpoint consists of two components: the server and the clients. A simple example architecture is presented below.
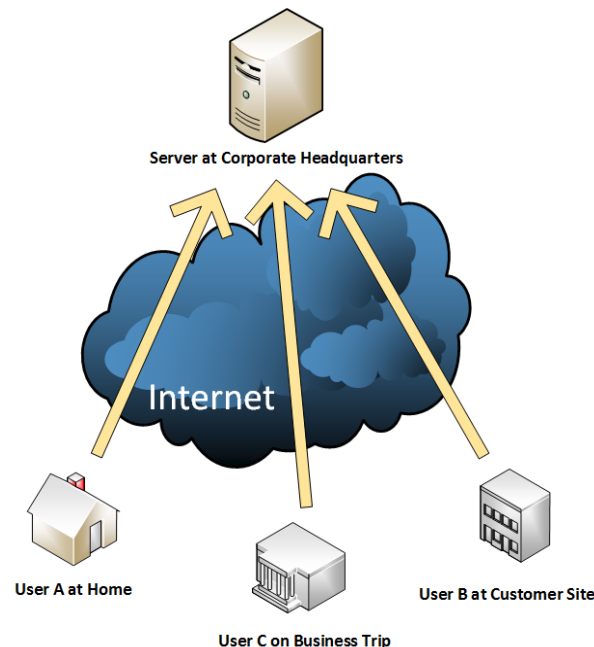
On the server side, a machine has the SureSync Data Protection and Availability Suite software installed. From this console, you access the SureSync Desktop where you will configure the Jobs and Real-Time Monitors used to protect the laptops in your environment. You will also have the option to perform file synchronization, file replication and SQL Protection from the same management console (additional licensing required).

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On each laptop to be protected, a client is installed. The client resides in the system tray of the computer and launches Endpoint Jobs configured to be run on the machine by the administrator on the server. The client "phones home" to the server when launched to retrieve this configuration data. This architecture allows an administrator to make a single Job change on the server and have it propagated automatically to the clients reducing management overhead significantly.

Once the client has retrieved the current configuration information from the server, it executes those tasks. All connections to the server are established from the client eliminating the need for complex dynamic name resolution.

Our Scenario

This Evaluator's Guide will walk you through a sample configuration of SureSync Endpoint. The scenario covered in this guide involves a Windows 2008 R2 server and two laptops running Windows 7. A diagram of the scenario is presented below.
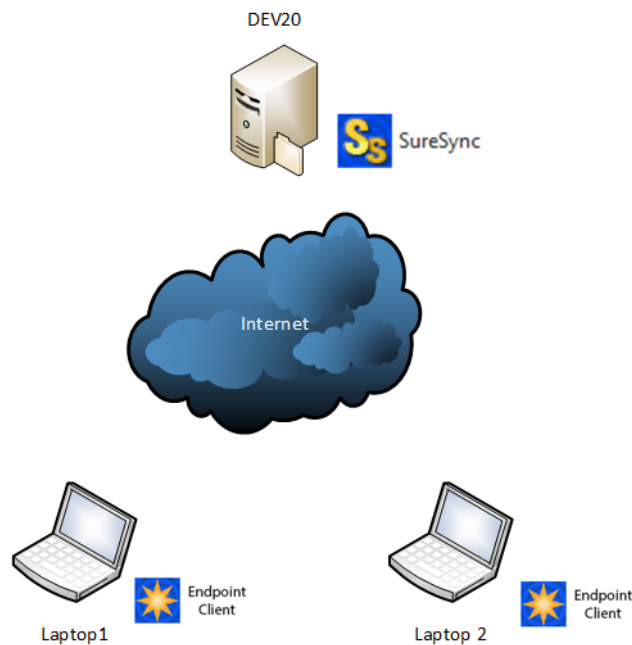
Endpoint Licensing

SureSync Endpoint is licensed based on the number of endpoint machines involved in the Jobs. For example, if a company has 50 employee laptops and is deploying SureSync Endpoint to protect data on those machines 50 SureSync Endpoint licenses would be required. The server piece of SureSync Endpoint does not require a license.

The Endpoint Client application will only run on Windows workstation operating systems and cannot be executed on a server.

Installing SureSync Endpoint on the Server

To begin your SureSync Endpoint trial, you must install the appropriate components on the correct machines. The full SureSync application must be installed on one machine that will be used to configure and control the SureSync Endpoint Jobs and Real-Time Monitors.

If you have SureSync deployed

If you are an existing SureSync customer interested in a trial of SureSync Endpoint, you can use your existing SureSync installation's main SureSync machine to configure your Endpoint items. This gives you the benefit of a centralized management console. You can also install SureSync on a separate machine if necessary.

The machine you install the full SureSync application on must be accessible from the Internet. This can be accomplished in two ways:

1. The machine is in the DMZ and/or is publicly accessible from the Internet using a public IP address.
2. The machine is behind a firewall and the firewall is configured with a NAT rule forwarding traffic on a public IP to the SureSync machine. By default, the SureSync port is TCP 9032.

If you're new to the SureSync Data Protection & Availability Suite

If you are new to the SureSync Data Protection & Availability Suite, the first step in configuring SureSync Endpoint is to install the full SureSync application on the server that will be used to configure and control the Endpoint jobs.

To install SureSync, launch SureSync8Setup.exe on the server. Once the installer has launched, follow the on-screen prompts and select "SureSync" when you arrive at the "Which features of SureSync 8 do you want to install?" panel displayed below.
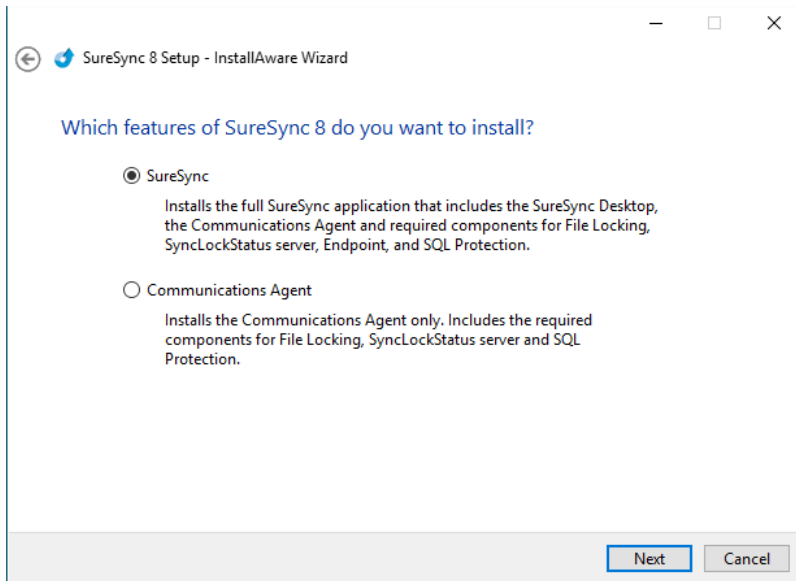
Continue through the installer wizard until the software has been installed.

Understanding the SureSync Desktop

The SureSync Desktop is a user interface component shared between all members of the SureSync Data Protection & Availability Suite. The SureSync Desktop is used to configure and manage SureSync Endpoint Jobs and Real-Time Monitors.

If you have SureSync deployed

SureSync Endpoint shares the SureSync Desktop and your SureSync database. If you intend to run SureSync Endpoint Jobs and Real-Time Monitors from the same main SureSync machine used to run your SureSync tasks then you scan skip ahead in this guide to the "Importing a License" section.

If you're new to the SureSync Data Protection & Availability Suite

If you are new to the SureSync Data Protection & Availability Suite, you will be installing components for the first time and will need to configure a SureSync database.

Launch the SureSync Desktop for the First Time

Now that the required components have been installed, we can continue with the configuration. To launch SureSync for the first time, go to the Start menu, select the SureSync folder and click on the SureSync Desktop icon. This will launch the SureSync Desktop where you will perform your entire synchronization job configuration.

On the first launch of the application, SureSync will present you with a series of questions to aide in completing the initial configuration.

Creating a SureSync Database

The prompt displayed below informs you that a SureSync database needs to be created. The SureSync database is used to store all of your synchronization/replication configuration and related information. This database can be either an Access or SQL database.
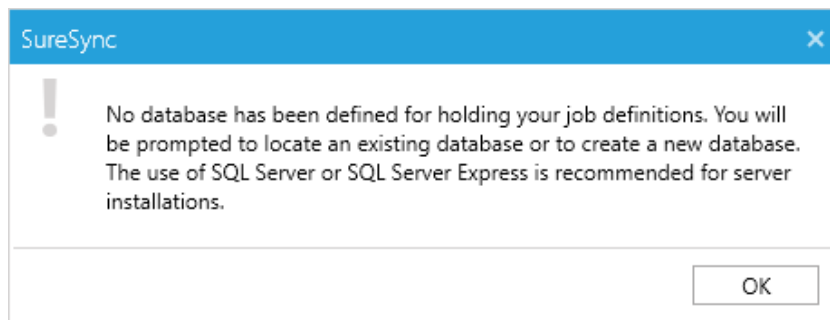

Click "OK" to continue on with the creation of the database.

The next dialog box allows you to select an existing SureSync database to open with the new installation or allows the creation of a new database. For our example, this is a new installation and "Yes" should be selected to create a new database.
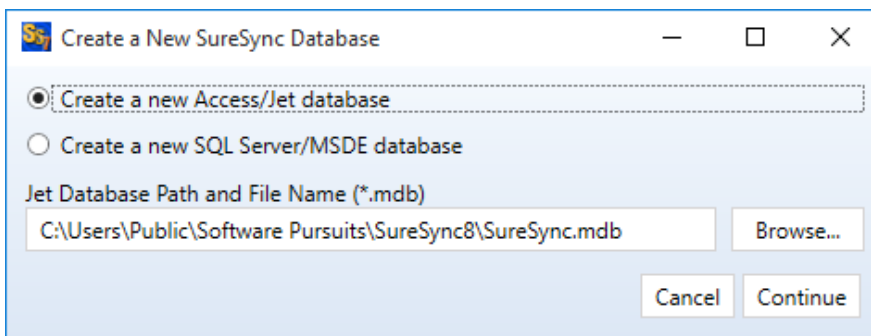
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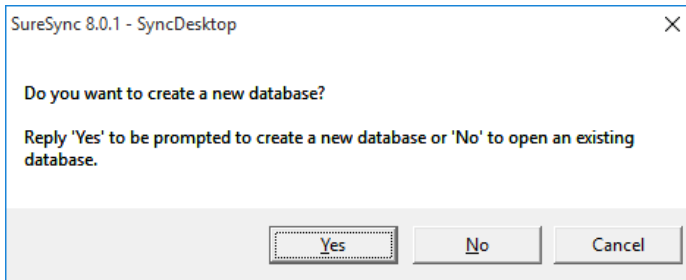
On the next panel, the type of database is selected. For our example, we will select "Create a new Access/Jet database".
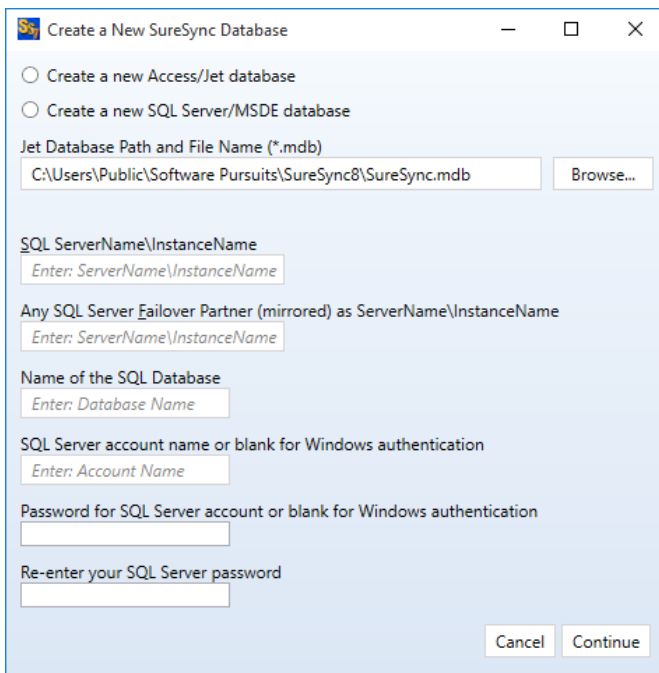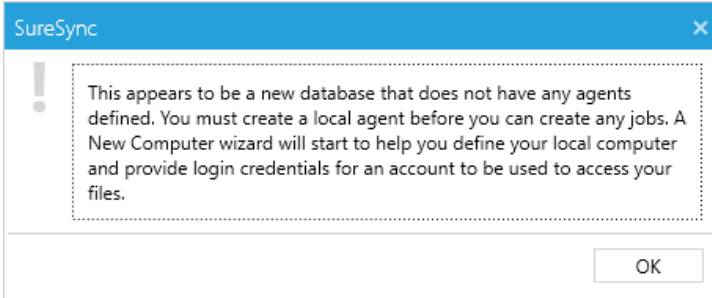

The form will change to show the path to the Access/Jet Database. We will select the default location of C:\Users\Public\Software Pursuits\SureSync8\SureSync.mdb.


Configuring the Local Communications Agent

The next step in the initial configuration involves defining a credential for the local Communications Agent to run under.

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Click "OK" and the Communications Agent Configuration panel will be launched.

The local Communications Agent must be given a credential for SureSync to function properly. We recommend this account be either a local administrator on the machine or a domain administrator to ensure rights to all the files and folders being synchronized. The local Communications Agent must be configured even if you're not licensed for the Communications Agent Add-on. The Add-on functionality is enabled by a license but the Communications Agent on the SureSync machine is responsible for all the basic I/O as well.

The only exception to the need to configure the local agent is if no paths of any kind, including UNC paths are referenced from the local machine. This scenario is extremely rare.
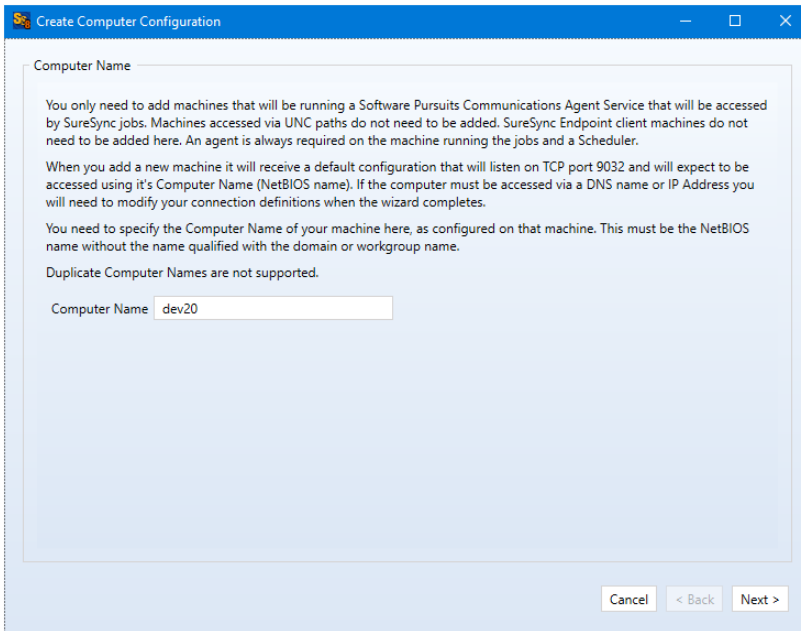
When the "Create Computer Configuration" wizard loads, the name of the computer SureSync is installed on is automatically filled in. For this example, the machine name is DEV20. Click "Next" to continue.

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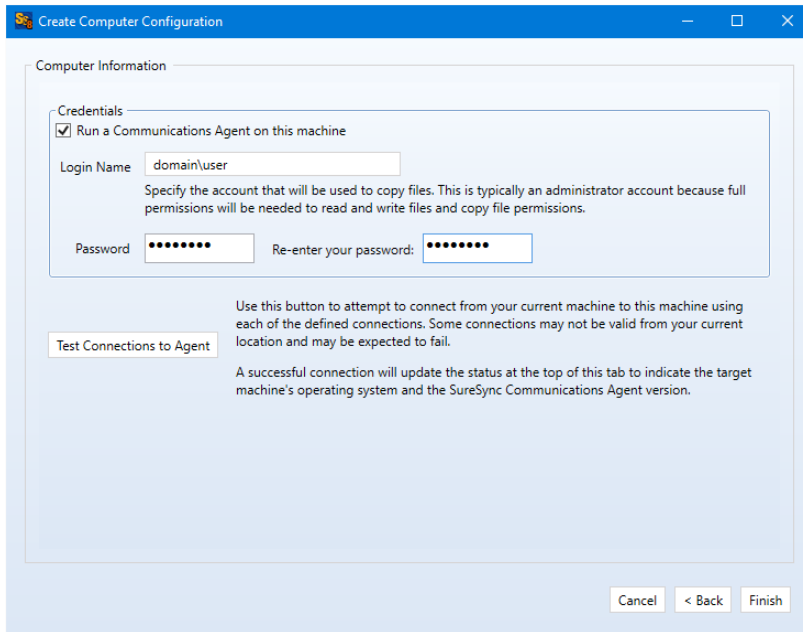
The "Computer Information" panel of the wizard is where you define the user account and password that the Communications Agent should use to access the files on the machine.

To ease initial configuration, the "Run a Communications Agent on this machine" option will be checked. In addition, the account you are logged into the machine as will be prefilled in the "Login Name" field.

If you want the Communications Agent to run under a different user account, you can change it here. The account must be in domain\user or machinename\user format.

Enter the password for the defined account twice in the password fields.

When a Communications Agent configuration is saved, a default connection for TCP port 9032 is created automatically. In most environments, only the default connection is used.

To test the connection, click the "Test Connections to Agent" button.

Click "Finish" to complete Communications Agent configuration for the local agent.

The following dialog will appear, click "OK to proceed to the SureSync Desktop.

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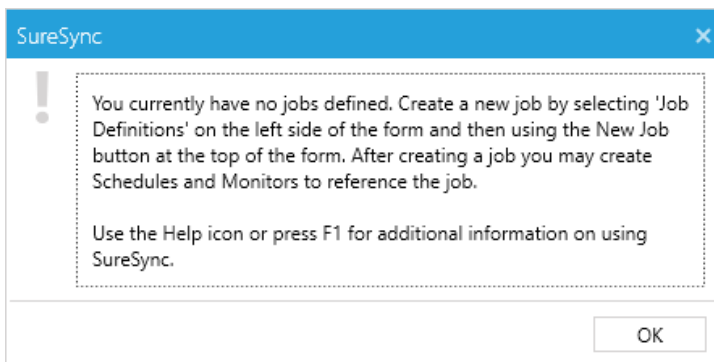
Importing a License

The SureSync Data Protection & Availability Suite installer does not contain a license file. To enable functionality, you must import a trial license or your purchased license obtained from Software Pursuits.

If you have SureSync deployed

If you are a current SureSync user and want to trial Endpoint, you should request trial licensing be added to your existing license. This can be done by e-mailing our sales team at sales@softwarepursuits.com. You can also call the sales team at 1-800-367-4823.

Once an updated license file has been provided to you, click the "Licenses" button (   ) in the ribbon bar of the SureSync Desktop and click the "Import License…" button to import the updated file.

If you're new to the SureSync Data Protection & Availability Suite

If you are new to the SureSync Data Protection & Availability Suite, you should request a trial license from http://www.softwarepursuits.com/suresync/endpoint/trial/. A license file will be generated and sent to you via e-mail. You can also call our sales team at 1-800-367-4823.

Once an updated license file has been provided to you, click the "Licenses" button (   ) in the ribbon bar of the SureSync Desktop and click the "Import License…" button to import the updated file.

Installing the SureSync Scheduler

The SureSync Scheduler is a Windows service that runs on the main SureSync machine. This service is responsible for launching Schedules at the correct times and for running Real-Time Monitors. You must have a Scheduler running in order for your Schedule to execute at the configured time.

To install the SureSync Scheduler service, click on the Home button in the upper left hand corner of the SureSync Desktop and click on "Scheduler Services."
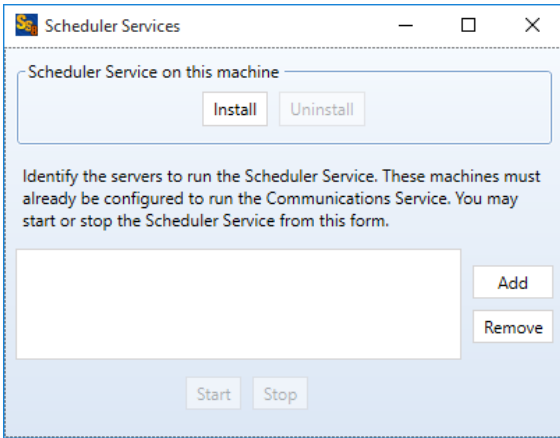
To install the Scheduler, click the "Install" button, which will launch a window like the one below.
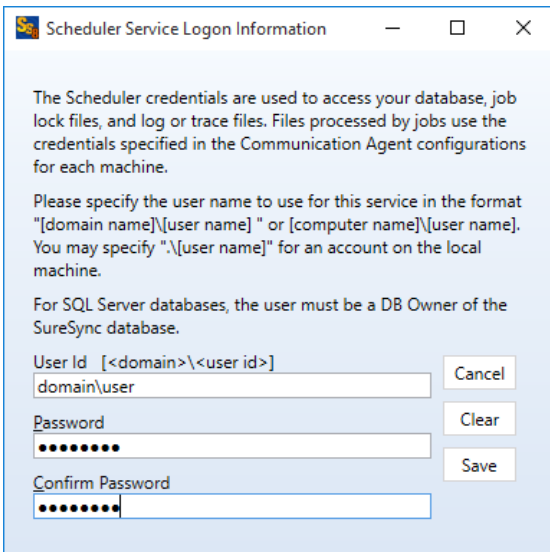

The user account the Scheduler service runs under must be a member of the local administrators group on the SureSync machine. If using SQL, the account must also be a DBOwner on the SureSync database.

Enter the username formatted as *machinename\username* or *domainname\username*. This account must be an administrator on the machine. Click "Save" to install the service.
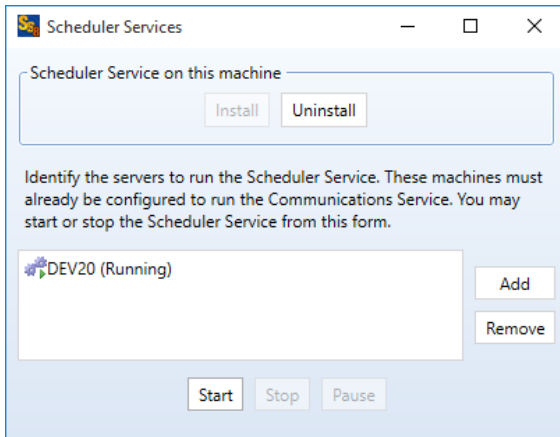
You will receive a confirmation dialog box that the Scheduler service was installed successfully as shown below.
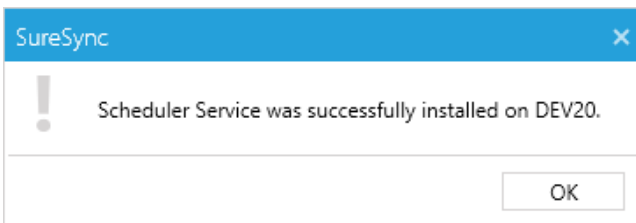
The Scheduler will appear in the dialog with a status of (Stopped).
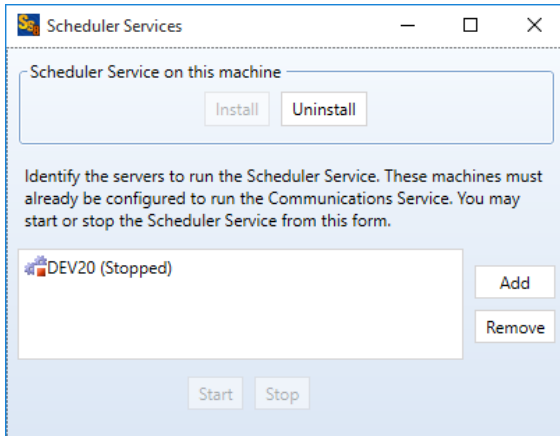
Once the service has been installed, click on the machine name and click "Start." The Scheduler will now be listed as Machine Name (Running).

Creating an Endpoint Real-Time Monitor

SureSync Endpoint operates on a real-time basis. When a file changes, the change will be detected via that NTFS Change Journal and queued for processing by the client. The first configuration step is to create a Real-Time Monitor. One or more Jobs can then be defined to be executed by that Real-Time Monitor. To launch the Real-Time Monitor wizard, click on the "Job" button ( ) in the ribbon bar.

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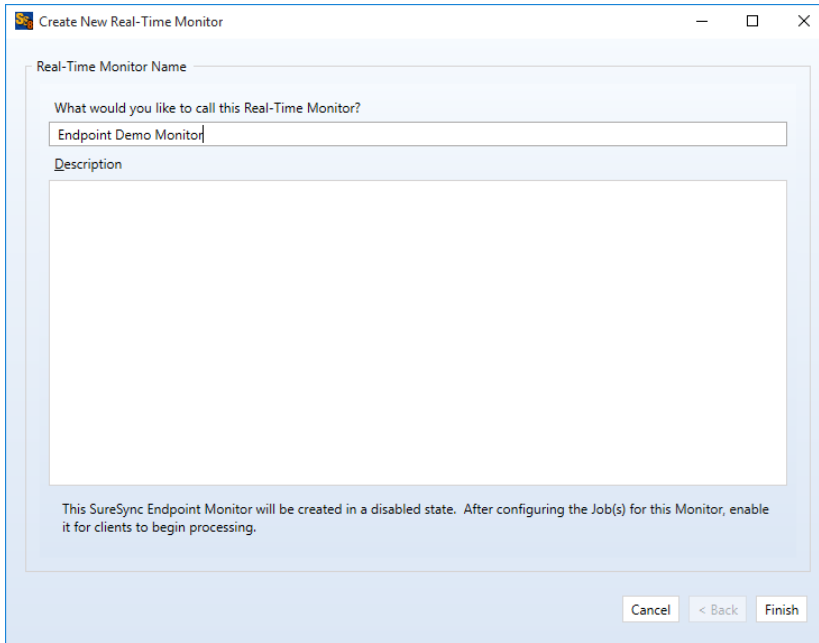
To create the Real-Time Monitor, provide a name in the "What would you like to call this Real-Time Monitor" field. An optional description of the Real-Time Monitor can also be provided. Click the "Finish" button to create the Real-Time Monitor.

Creating an Endpoint Job
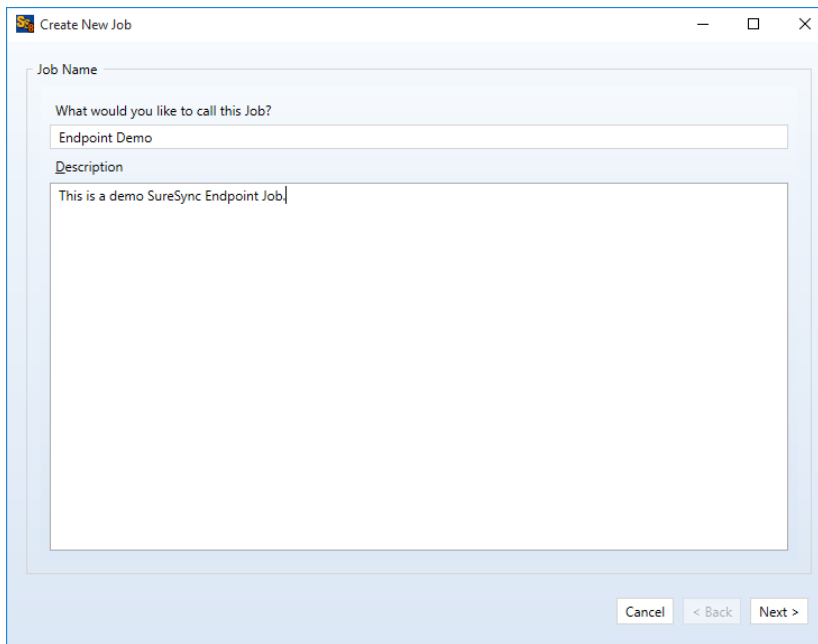
The next step in configuring SureSync Endpoint is to create a Job. The Job defines the laptops that should be protected, where the files should be copied to and other important configuration information. An Endpoint Job must be created under an Endpoint Real-Time Monitor.

First, click on the Real-Time Monitor you created in the previous setup. Once done, click on the "Job" button ( ) in the ribbon bar to launch the Job Wizard.

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Name Your Job

Enter the name of the Job in the "What would you like to call this Job?" field. For this example, we will use the name "Endpoint Demo." You can also enter an optional description.

Click "Next" to continue.

Defining the Server Root Path

The "Set Server Root Paths" panel allows you to define where the files copied from the laptops should be stored.

This path is often the destination, meaning files from the laptop machines will be copied to this path. This path could be a source if you wanted to distribute files from the server to the laptops.

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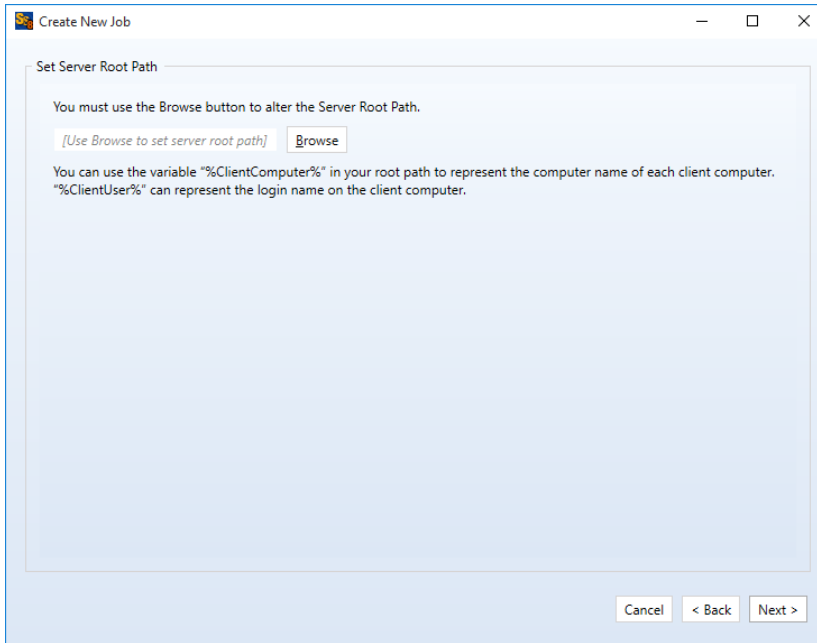
Frequently, you will want to store files copied from the remote laptop machines into different folders for each computer. This allows you to easily identify what files belong to each machine. The %ClientComputer% and %ClientUser% variables are how this is accomplished.

The %ClientComputer% variable will create a folder named after the name of the user's computer. For example, if you defined C:\LaptopFiles\%ClientComputer% and added Laptop1, Laptop2 and Laptop3 to the Job three folders would be created within C:\LaptopFiles. The result would be folders like C:\LaptopFiles\Laptop1 that contained the files from that particular machine.

The %ClientUser% variable will create a folder with the name of the user's user acount. This can be combined with %ClientComputer% if multiple users use the same machine. For example C:\LaptopFiles\%ClientComputer%\%ClientUser% which would store files in C:\LaptopFiles\Laptop1\User1 if User1 logged into Laptop1 running Endpoint.

For our scenario, the path will be C:\LaptopFiles\%ClientComputer% as shown below.

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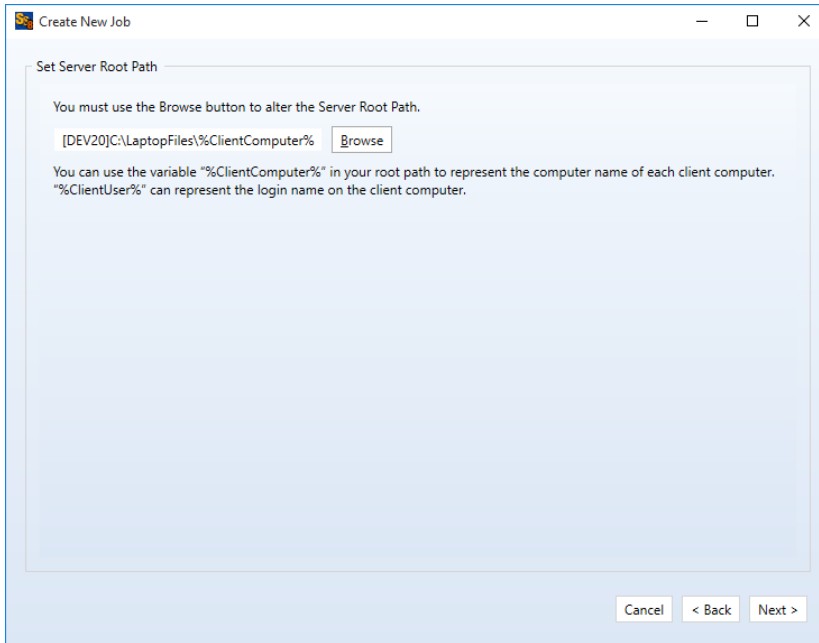
Click "Next" to continue.

Defining the Client Root Path(s)

The "Set Client Root Paths" panel allows you to define the laptop paths that should be protected by the Job. Click the "Add" button to start the process.
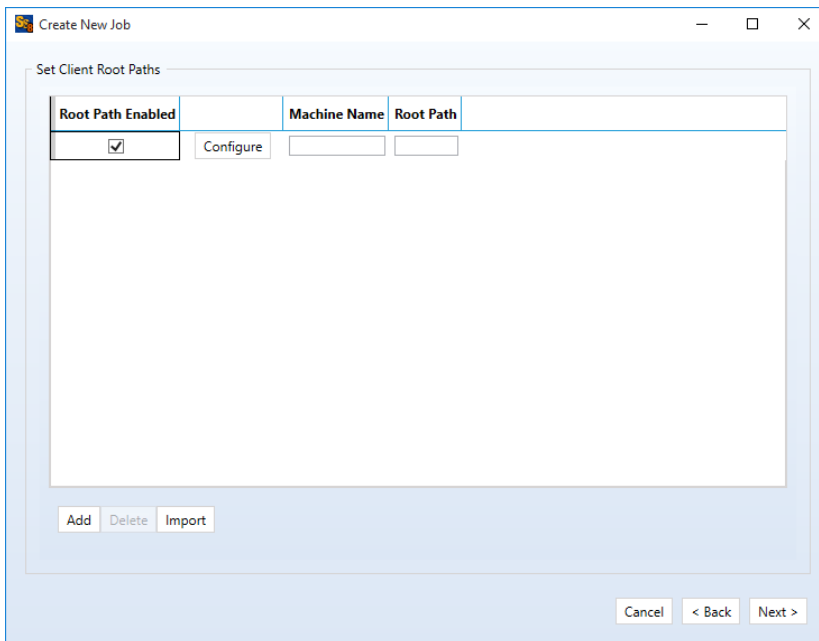
With Endpoint, it is likely some machines that need to be configured are not accessible when configuration is occuring. With that in mind, you configure the machines by typing in the NetBIOS name of the machine in the "Machine Name" column and a path under "Root Path."

The "Root Path" column will accept standard Windows variable names.

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An example configured "Set Client Root Paths" panel is shown below.
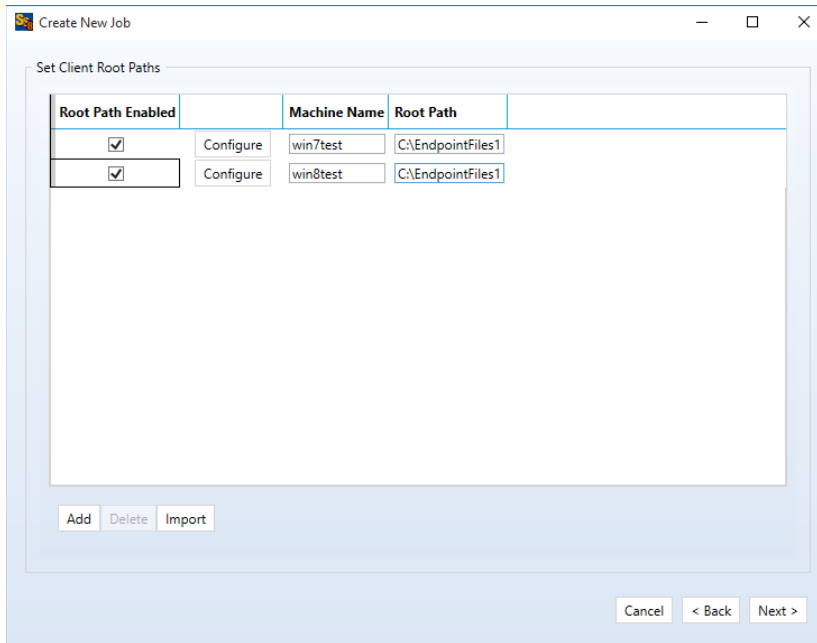
> Endpoint functions based on NetBIOS machine names. You must have unique machine names for each computer involved.

After adding the paths, click "Next" to continue.

Determining the Best Rule

SureSync offers a number of different replication & synchronization methods, allowing a great deal of flexibility in how your data is handled. A chart detailing each of these Rules can be found in the help file under "Rule Methods Summary."

Selecting Your Rule & Defining Folder Exclusions

The "Set Rule Type" panel allows you to define the type of Rule that should be used for the Job. The Rule defines how files are to be processed. For example, a Mirror will make an exact duplicate of the source files on the destination. All additions, modifications and deletions made on the source will be made on the destination with this Rule type.

Select the Rule Type you would like to use from the drop-down menu. For this scenario, we are using "Mirror."

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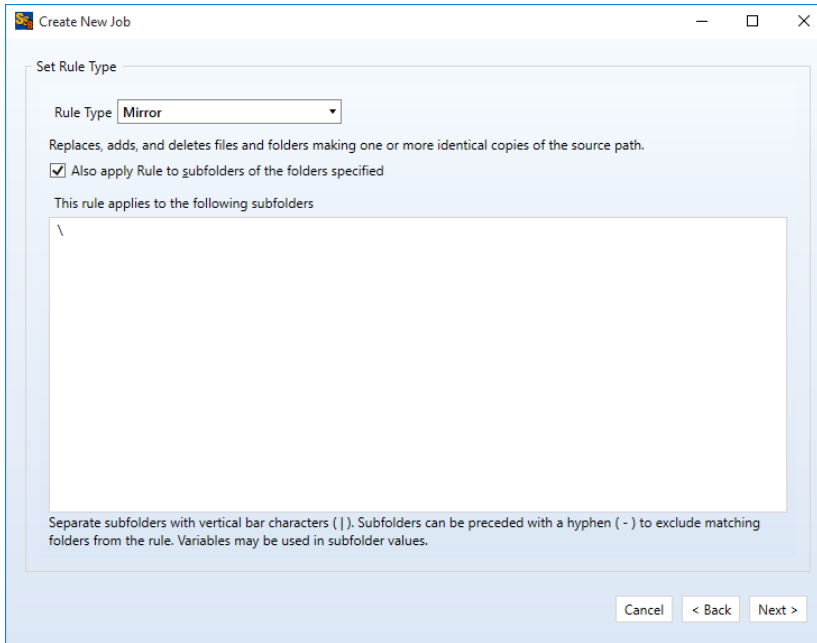
The "This rule applies to the following subfolders" section of the panel allows you to include or exclude specific subfolders. The default "\" means to include all subfolders. You can enter subfolders into the text field or select them using the checkboxes in the browse dialog on the lower portion of the wizard panel. Folders are excluded by placing a minus character (-) in front of the folder name. Multiple folder entries are separated by the vertical bar character (|).

Examples

To synchronize only two subfolders named "FolderA" and "FolderB," you would enter the following:

\FolderA\ | \FolderB\

To synchronize all subdirectories except for subfolders "FolderA" and "FolderB," you would enter the following:

\ | -\FolderA\ | -\FolderB\

For our example scenario, the default "\" option will be used to process all subfolders.

To learn more about how to include and exclude subfolders, press the "F1" key on this panel.

Click the "Next" button to continue.

Selecting the Source Path

The next panel is where you indicate the source root path. This is done by selecting the path from the drop-down menu. All other paths are configured as destinations. In this example, the source path is the "SureSync Endpoint Clients."

The "SureSync Endpoint Clients" definition is important to understand. In SureSync Endpoint, the client machines are listed as a group of paths. Individual client machines are not available to be selected as source paths. Endpoint displays that group of paths by the name "SureSync Endpoint

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Clients." In other words, when you select "SureSync Endpoint Clients" all the client machines are sources allowing for easier configuration in large environments.

Your wizard panel should look like:
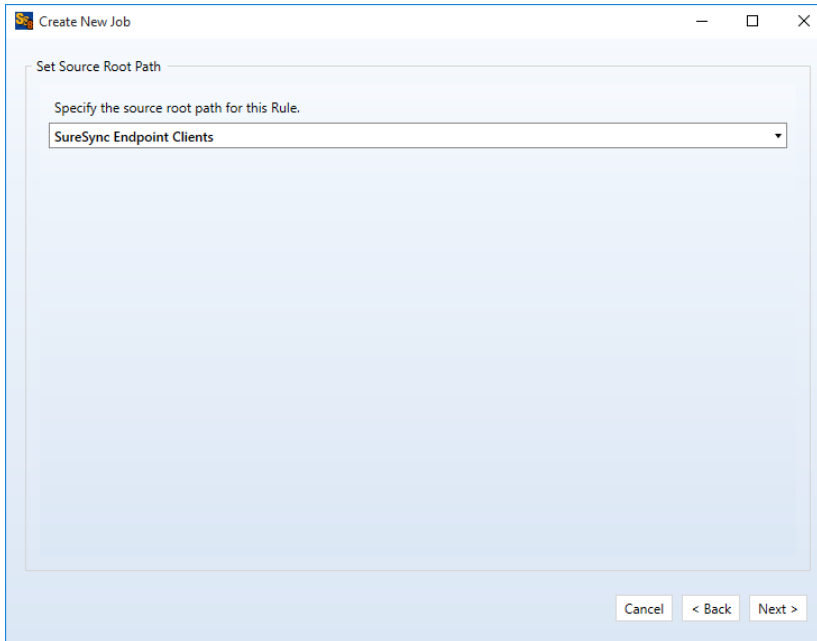
Click "Next" to continue.

Filtering Based on File Masks

The next panel displayed will let you indicate the files to be included or excluded from the synchronization. Each entry in this panel should be separated by a vertical bar (|) character. To exclude a file name or file type, place a minus sign (-) in front of the mask.

The default file mask is *.* which includes all files. Some common exclusions you could consider adding are: -*.tmp | -~*.doc | -~$.doc? | -~$.xls?. This excludes tmp files and some Microsoft Office temporary files.

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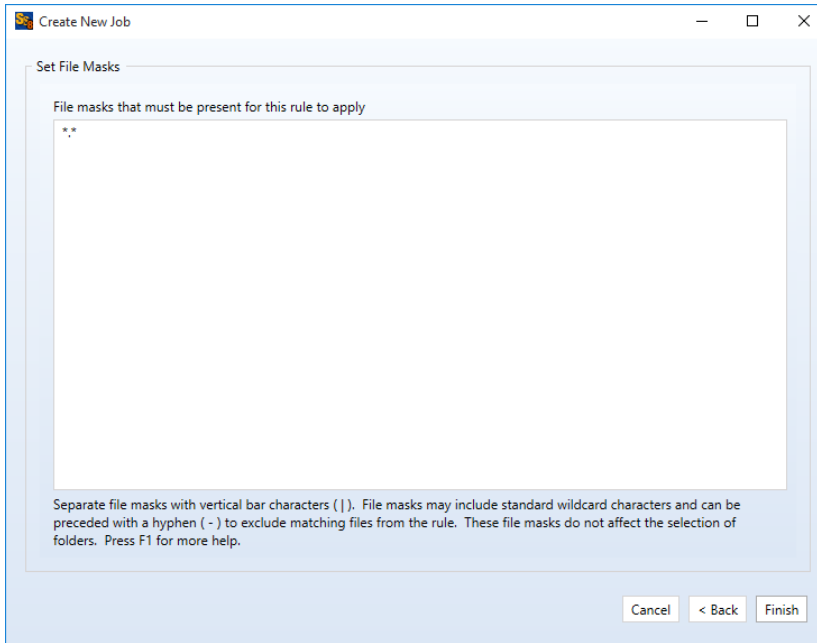
Examples

To synchronize only *.doc files and a file named "Test.txt," you would enter the following:

*.doc | Test.txt

To exclude *.tmp files, *.doc files, and a file named "Test.txt," you would enter the following:

. | -*.tmp | -*.doc | -Test.txt

To learn more about how to include and exclude files based on file masks, press the "F1" key on this panel.

Clicking the "Finish" button will create your Job. The Job Wizard only displays a subset of essential options for a Job. There are many other options that can be configured by modifying the properties of the Job using the SureSync Desktop. Pressing the "F1" key on any tab in the application will display context sensitive help detailing the options on that tab.

Deployment via Manual Configuration

In small environments, the Endpoint Client software can be deployed and configured manually. The installer for the SureSync Endpoint Client can be downloaded here.

On each client, execute SureSyncEndpoint8Setup.exe and follow the on-screen prompts. The installer is a standard Windows installer. You can distribute the setup using any existing deployment solution available on your network. A silent command line installation is available using the /s switch.

Each Endpoint Client must be configured with the details necessary to reach the Endpoint Server. When the client software is launched, it will connect to the server and retrieve the necessary Job information.
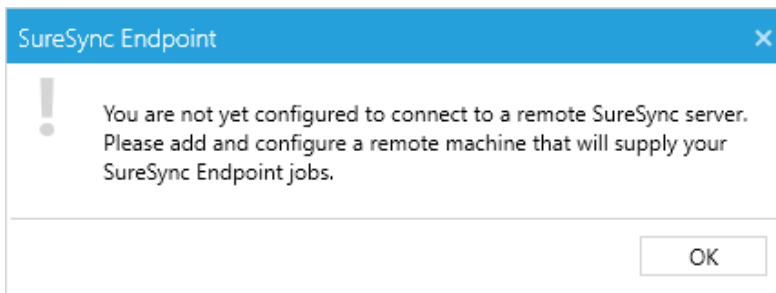
If you have multiple SureSync servers that will be serving Endpoint Jobs to Endpoint clients, you must configure each Endpoint Client to point to the appropriate server.

> Each Endpoint client can communicate with one and only one Endpoint server. If you have multiple Endpoint servers, you must divide the clients up so each client talks to only one server.
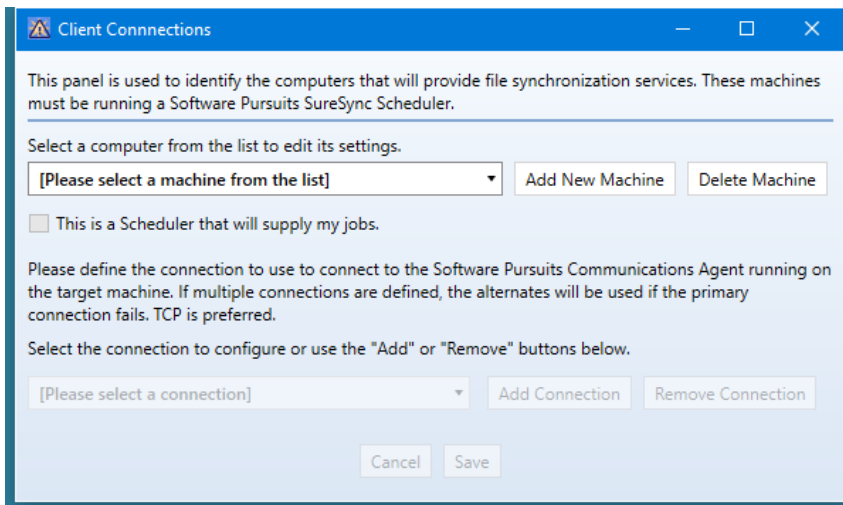
Step 1: Configure the First Endpoint Client

The configuration information defined on one Endpoint Client machine can be easily distributed to other clients. The first step is to install the Endpoint Client on a machine and complete the configuration.

When the Endpoint Client is launched the first time without a configuration you will receive the following message:

Clicking "OK" will launch the Client Connections panel used to define the connection used by the Endpoint Client to reach the server for Job configuration retrieval.

Click the "Add New Machine" button.

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On the "Add Communications Agent" button you should enter the NetBIOS name of the server the client is going to communicate with to retrieve configuration information.

Click the "Save New Computer" button.

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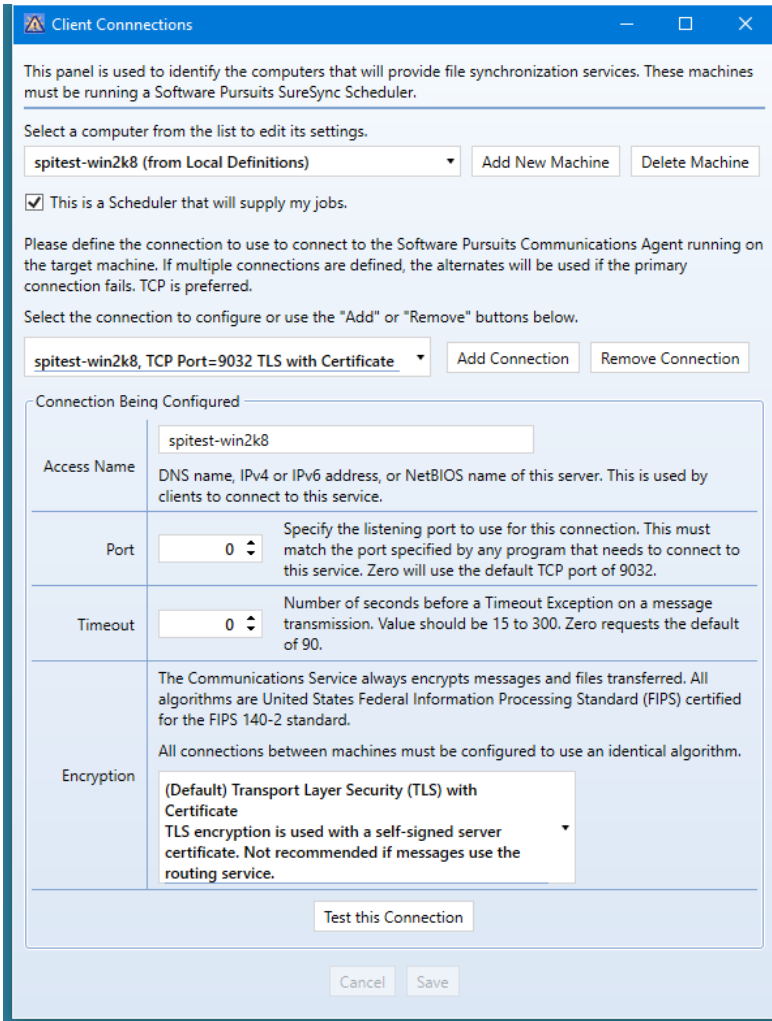The resulting configuration generated after clicking the 'Save New Computer' button is fully functional with the default settings.

This default configuration has two connections. The first connection is on TCP 9032 and is encrypted with TLS with Certificate. This connection is used for data transfer. The second connection is TCP 9032 and is encrypted with Basic256. This connection is used for status and configuration transfer.

One configuration change is required for both connections. The field that must be updated is the "Access Name" field.
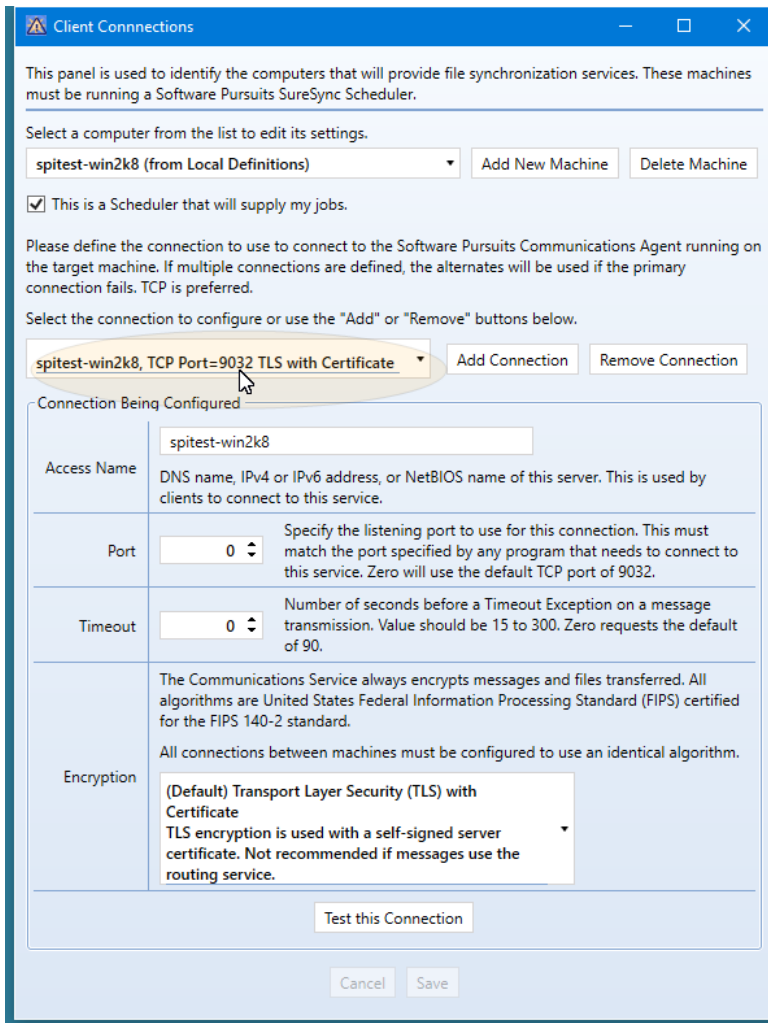
The "Access Name" field accepts a NetBIOS name, DNS name or IP address. The access name must be accessible from the Internet because the Endpoint machines are likely to moving from network to network. The default NetBIOS name is unlikely to be resolvable in that situation.

> If the laptop machines in your environment will be roaming from network to network, you must us either a public IP address or a publicly resolvable DNS name to configure the Endpoint Client to look at. If there is a firewall, you must configure port forwarding to send the 9032 port traffic arriving at that IP/DNS name to the correct server in your internal network.

To complete the configuration, enter a publicly accessible IP address or DNS name in the "Access Name" field for the TLS with Certificate connection and click "Save." You can then use the "Test This Connection" button to ensure that Endpoint Client is able to reach the server.

Once complete, select the "Select this connection to configure" drop-down and select the Basic256 item. The screenshot below highlights the correct drop-down menu. Enter the same access name for this connection and click "Save." You can then use the "Test This Connection" button to ensure that Endpoint Client is able to reach the server.

Both connections must test successfully for Endpoint to function correctly.

Step 2: Distribute Configuration File to other Endpoint Clients (optional)

Once you have configured an Endpoint Client, you can distribute the same configuration to other machines easily. In C:\Users\Public\Software Pursuits\SyncEndpoint8 (Vista and newer) or C:\Documents and Settings\All Users\Application Data\Software Pursuits\SyncEndpoint8 (Windows XP) you will find a file named SyncEndpoint.xml. This file contains all the server configuration information.

To configure a second machine to use the same server connection, simply install the SureSync Endpoint Client and copy the SyncEndpoint.xml file into C:\Users\Public\Software Pursuits\SyncEndpoint8 (Vista and newer) or C:\Documents and Settings\All Users\Application Data\Software Pursuits\SyncEndpoint8 (Windows XP) before launching the application. If the application is already open, close it before copying the xml file into the directory and launch it again.

Deployment via Command Line Switch Configuration Retrieval
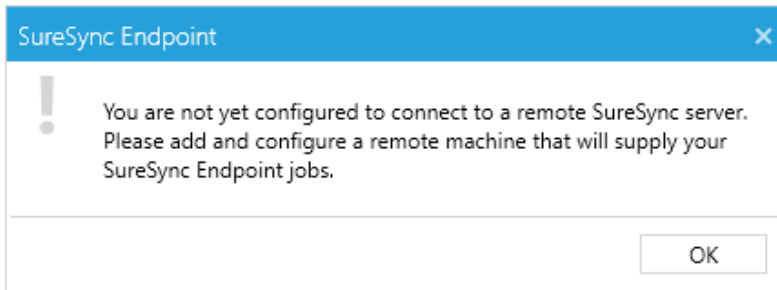
In large environments, the amount of configuration on the clients can be reduced using a command line switch to retrieve the configuration file from a network share during installation. The installer for the SureSync Endpoint Client can be downloaded here.

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> Each Endpoint client can communicate with one and only one Endpoint server. If you have multiple Endpoint servers, you must divide the clients up so each client talks to only one server.
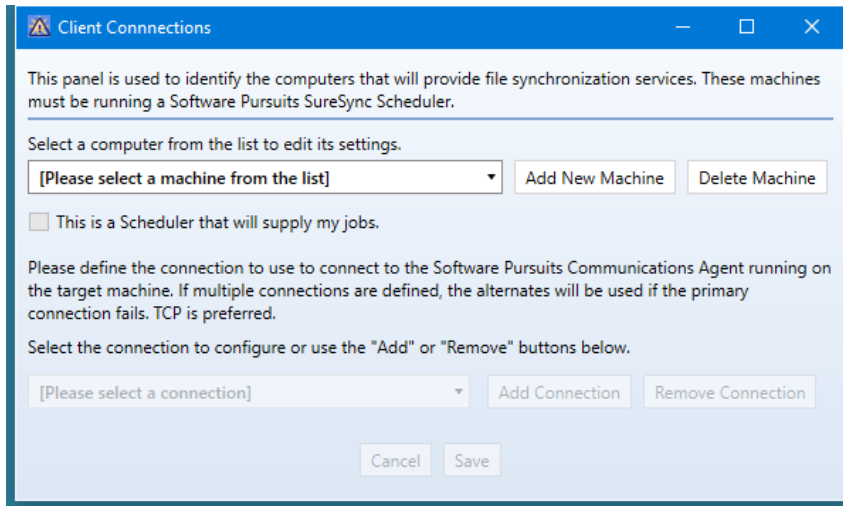
Step 1: Configure the first Endpoint Client

The configuration information defined on one Endpoint Client machine can be easily distributed to other clients. The first step is to install the Endpoint Client on a machine and complete the configuration.
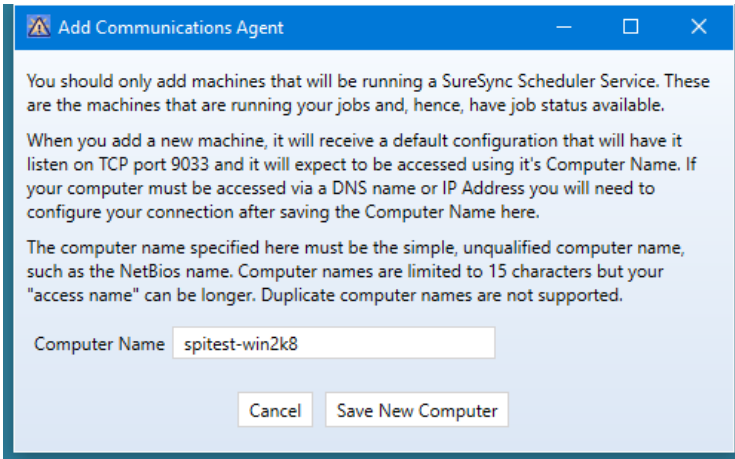
When the Endpoint Client is launched the first time without a configuration you will receive the following message:

Clicking "OK" will launch the Client Connections panel used to define the connection used by the Endpoint Client to reach the server for Job configuration retrieval.

Click the "Add New Machine" button.

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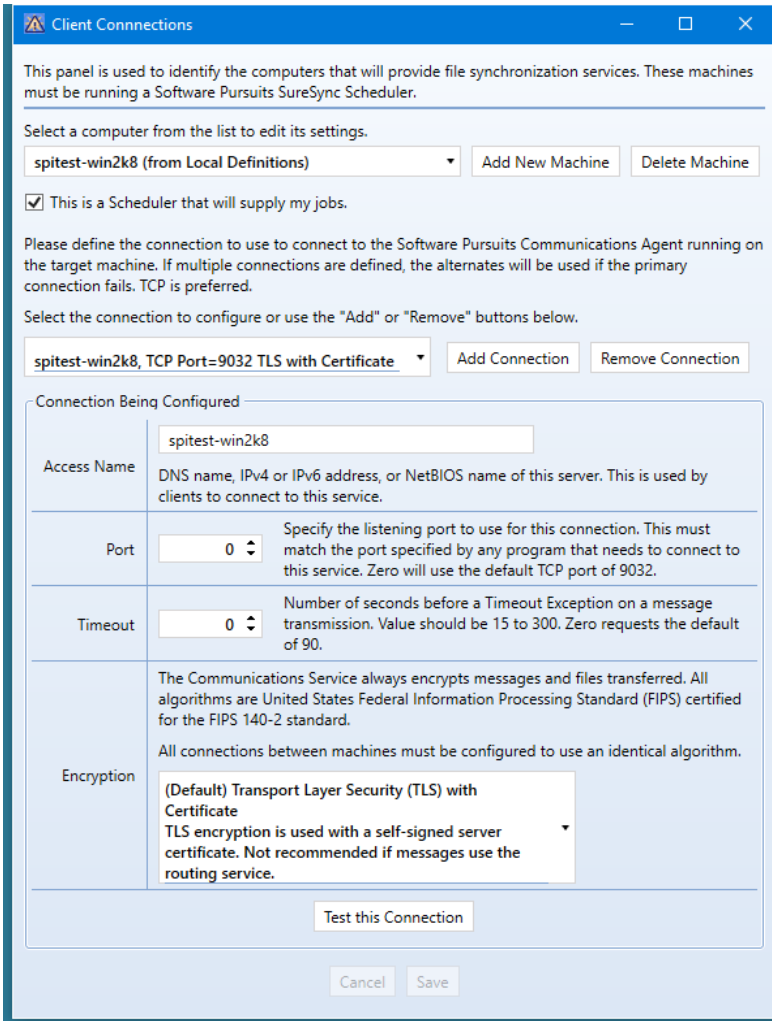
On the "Add Communications Agent" button you should enter the NetBIOS name of the server the client is going to communicate with to retrieve configuration information.

Click the "Save New Computer" button.

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The resulting configuration generated after clicking the 'Save New Computer' button is fully functional with the default settings.

This default configuration has two connections. The first connection is on TCP 9032 and is encrypted with TLS with Certificate. This connection is used for data transfer. The second connection is TCP 9032 and is encrypted with Basic256. This connection is used for status and configuration transfer.

One configuration change is required for both connections. The field that must be updated is the "Access Name" field.
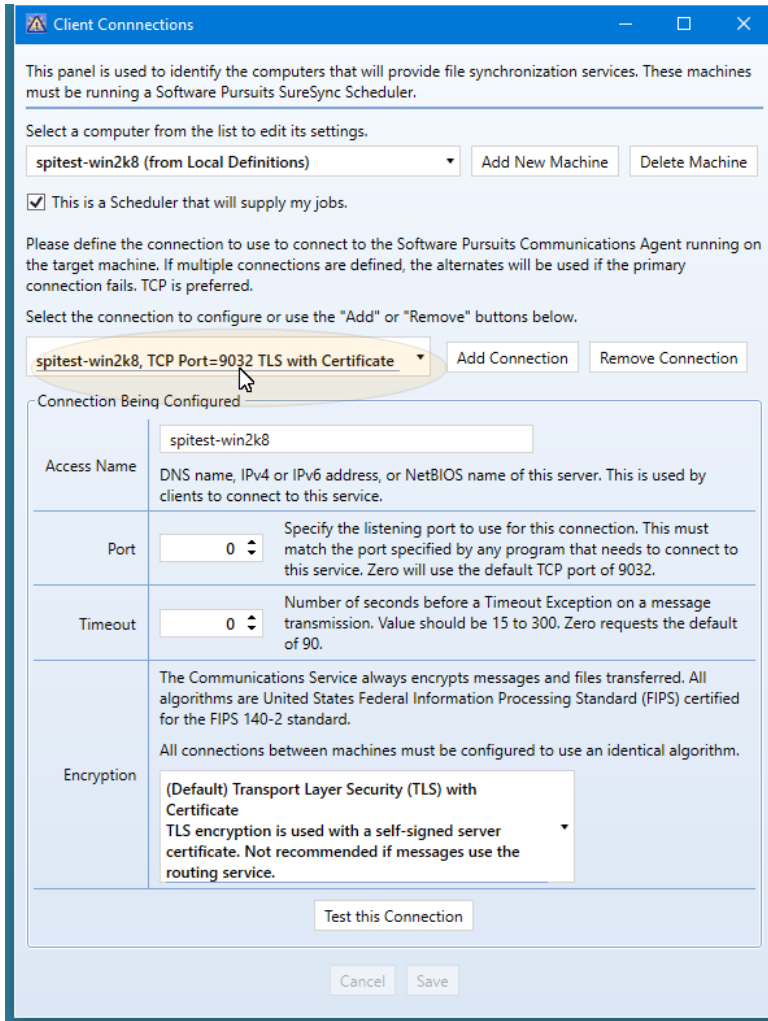
The "Access Name" field accepts a NetBIOS name, DNS name or IP address. The access name must be accessible from the Internet because the Endpoint machines are likely to moving from network to network. The default NetBIOS name is unlikely to be resolvable in that situation.

> If the laptop machines in your environment will be roaming from network to network, you must us either a public IP address or a publicly resolvable DNS name to configure the Endpoint Client to look at. If there is a firewall, you must configure port forwarding to send the 9032 port traffic arriving at that IP/DNS name to the correct server in your internal network.

To complete the configuration, enter a publicly accessible IP address or DNS name in the "Access Name" field for the TLS with Certificate connection and click "Save." You can then use the "Test This Connection" button to ensure that Endpoint Client is able to reach the server.

Once complete, select the "Select this connection to configure" drop-down and select the Basic256 item. The screenshot below highlights the correct drop-down menu. Enter the same access name for this connection and click "Save." You can then use the "Test This Connection" button to ensure that Endpoint Client is able to reach the server.

Both connections must test successfully for Endpoint to function correctly.

Step 2: Create a Network Share to Store the Configuration File

A server must be selected to store the template configuration file. This server must be in a location accessible via UNC path by the client machines.

Using Windows Explorer create a folder on the server that will store the configuration file. Configure this folder to have a share with appropriate permissions for the client machine's users to read the file within the share.

> This method of configuration is only useful when the laptops are configured while on the network with UNC path access to the share.

Step 3: Copy the Configuration File to the Share

On the machine where you configured the Endpoint Client, browse to the following folder:

- C:\Users\Public\Software Pursuits\SyncEndpoint8 (Vista and newer)
- C:\Documents and Settings\All Users\Application Data\Software Pursuits\SyncEndpoint8 (Windows XP)

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In this folder will be a file named SyncEndpoint.xml. This file contains the Endpoint Client configuration completed earlier. Copy this file into the network share.

Step 4: Install the Endpoint Client on Additional Machines

The final step to deploying the Endpoint Client in this manner involves executing the installer with a command line switch that provides the UNC path to load the configuration from. There are a number of different ways you can accomplish this task:

- Install on each client manually using the /XMLPath switch from a Run dialog. For example: "C:\Installers\SyncLockStatus8Setup.exe" /XMLPath="\\server\share"
- Use the Software Pursuits Remote Installation Utility
- Use a third party install management application if it supports installation using command line switches
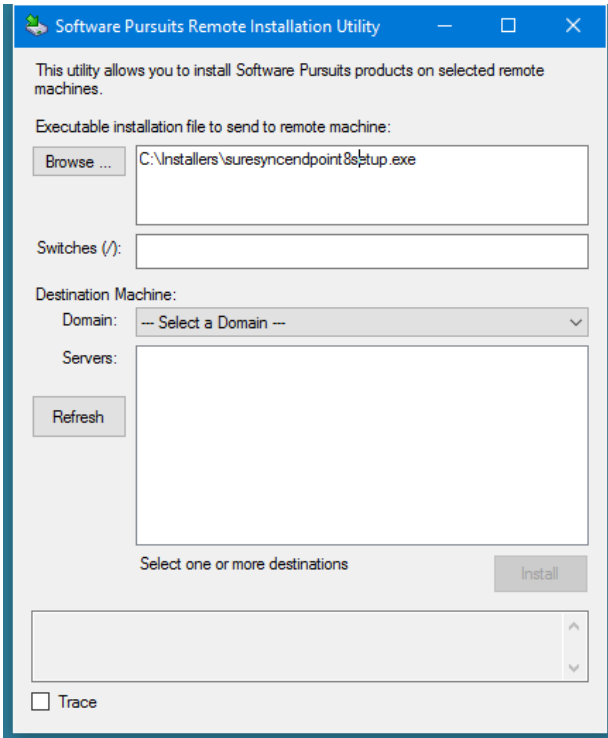
The /XMLPath switch tells the installer to generate a registry entry on the client machine with the UNC path to the location where the configuration file can be found. When the Endpoint Client loads the registry key is read and the configuration file is applied to the software.

This document will show you how to use the Software Pursuits' Remote Installation Utility.

Go to the Start menu, select All Programs, SureSync 8 and select Software Pursuits Remote Installation Utility. The Software Pursuits Remote Installation Utility will launch. You should see a program window that looks like the screenshot below.
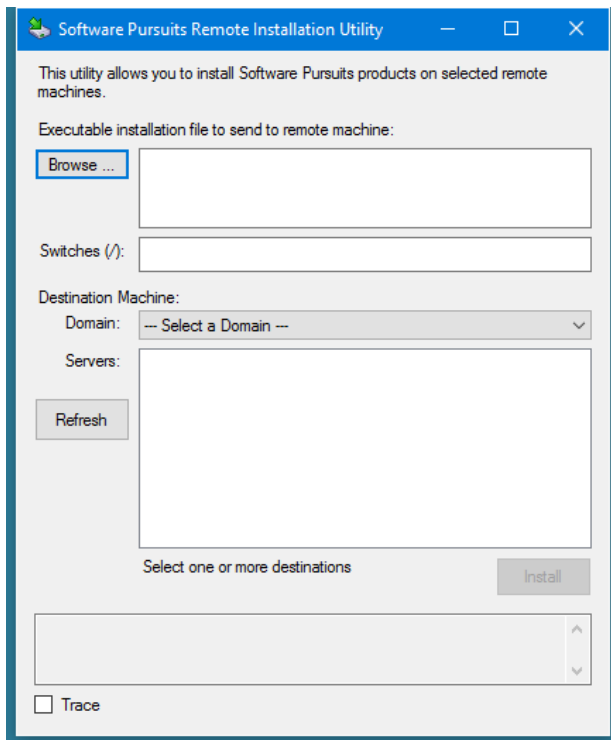
Click the "Browse" button and select the SureSyncEndpoint8Setup.exe setup file or manually type the path to the file into the "Executable installation file on local machine" field.

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To install the Endpoint Client silently, you should enter */S and /XMLPath="\\server\share"* in the "Switches" field. The */S* sets the installer to silent mode. The /XMLPath= switch tells the installer where to locate the configuration file.
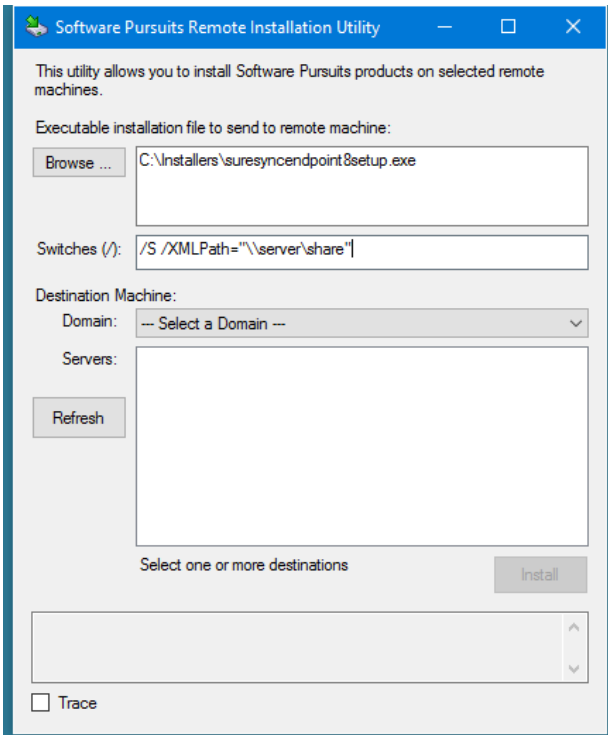
Click on the "Domain" drop down and select the domain or workgroup where the workstation(s) you want to install the SureSync Endpoint Client on resides.

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From the list that displays, check the machines where you want to install the Endpoint Client.
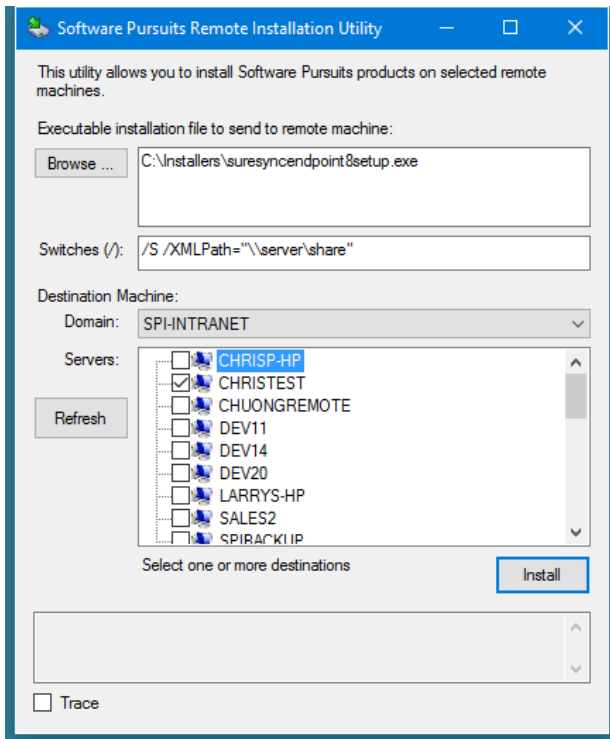
Finally, click the Install button and monitor the messages that will appear at the bottom of the panel.

Changing SureSync Endpoint Settings

The SureSync Desktop on the server can be used to monitor the current status of your Endpoint environment. This program can be accessed by going to the Start menu, selecting SureSync 8 and clicking on the SureSync 8 Desktop shortcut.

In the screenshot below, we can see that the "Endpoint Demo Monitor" Real-Time Monitor created earlier in this document is listed and in the "Enabled" state.

To disable a Real-Time Monitor, click on it within the SureSync Desktop and click on the Disable button.

You can make changes to an existing Real-Time Monitor, Job or Rule by clicking on the appropriate item and making the required changes on the property panels that are displayed. Changes made will be automatically distributed out to the Endpoint clients the next time they "phone home" for configuration information. This centralized management makes it easy for an administrator to handle a large number of clients.

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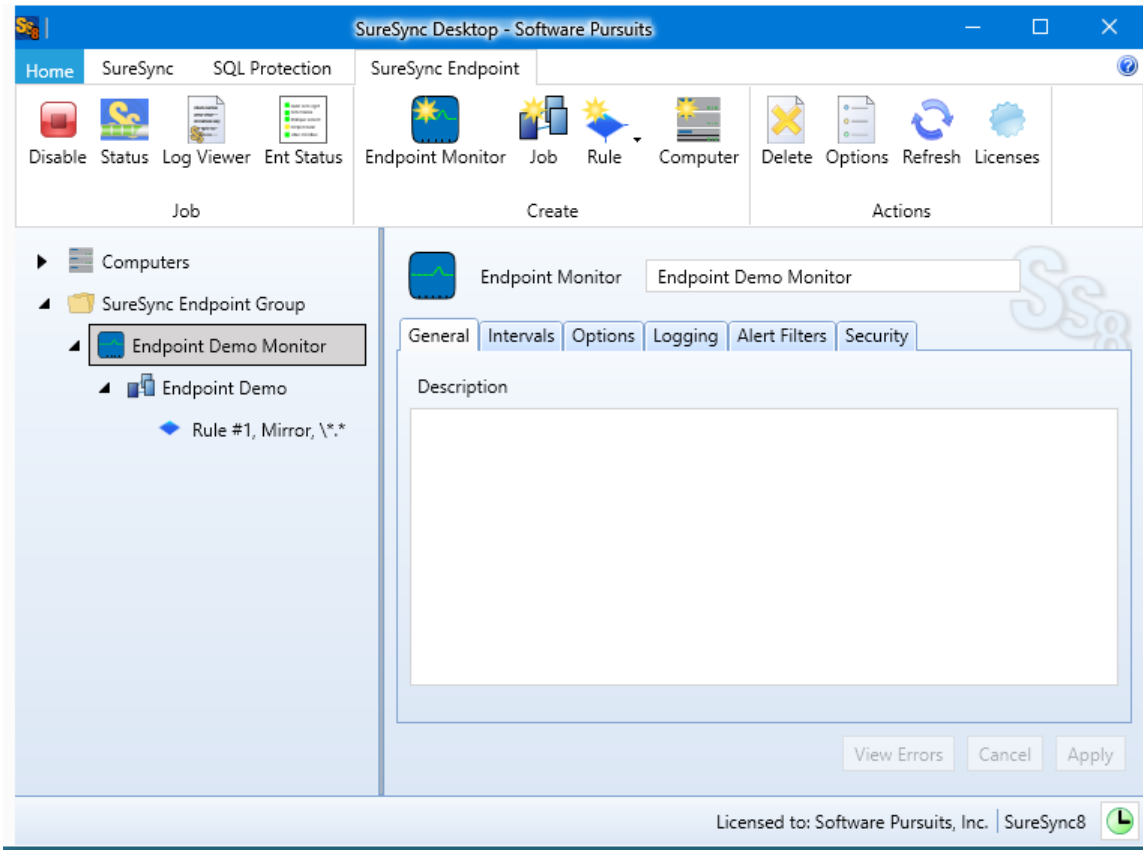
In addtion, you can view the status of an enabled Real-Time Monitor by clicking on the "Status" button or see previous actions by clicking on the "Log Viewer" button.

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