

Metalogix® StoragePoint 6.0.

Advanced Installation Guide



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Legend



CAUTION: A caution icon indicates potential damage to hardware or loss of data if instructions are not followed.



IMPORTANT, NOTE, TIP, MOBILE OR VIDEO: An information icon indicates supporting information.

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Planning the Metalogix StoragePoint Implementation

Preparation

Metalogix StoragePoint is installed as a SharePoint solution on a single SharePoint web front-end (WFE), making for simple installation and deployment to the SharePoint farm. This section will outline the necessary software and security prerequisites needed to install Metalogix StoragePoint.

Before configuring Metalogix StoragePoint there are few things to consider and understand. This section will touch on each of these and provide some guidance and best practices.

Minimum Server Software Requirements

SharePoint (pick one)

SharePoint Server 2019	
Operating System	Windows Server 2016 Standard or Data Center
SharePoint Server	SharePoint Server 2019
Other Server Software	Microsoft SQL Server 2016 RTM Standard or Enterprise Editions, Microsoft SQL Server 2017 RTM Standard or Enterprise Editions for Windows

SharePoint Server 2016	
Operating System	Windows Server 2012 R2 or Windows Server 2016
SharePoint Server	SharePoint Server 2016
Other Server Software	SQL Server 2014 SP1, 64 bit Enterprise Edition, SQL Server 2016 RTM Enterprise Edition or SQL Server 2017

SharePoint Server 2013 and SharePoint Foundation 2013	
Operating System	Windows 2012 Server
SharePoint Server	SharePoint Server 2013 or SharePoint Foundation 2013
Other Server Software	SQL Server 2012 Enterprise Edition, or SQL Server 2014 Enterprise Edition

SharePoint Foundation 2010 and SharePoint Server 2010	
Operating System	Windows 2012 Server
SharePoint Server	SharePoint Foundation Server 2010, Microsoft SharePoint Server 2010
Other Server Software	SQL Server 2012
	Use of RBS requires SQL Server 2012, or 2014 Enterprise Editions



NOTE: For Microsoft SharePoint Server 2010 (MSS), Service Pack 1 or the EBS hotfix must be applied.

Server Hardware Requirements

Metalogix StoragePoint does not have any hardware requirements beyond what is prescribed by Microsoft SharePoint. For reference, those can be reviewed here:

2019 - <https://docs.microsoft.com/en-us/sharepoint/install/hardware-and-software-requirements-2019>

2016 - [https://technet.microsoft.com/en-us/library/cc262485\(v=office.16\).aspx](https://technet.microsoft.com/en-us/library/cc262485(v=office.16).aspx)

2013 - <https://docs.microsoft.com/en-us/sharepoint/install/hardware-and-software-requirements-0>

2010 - [https://technet.microsoft.com/en-us/library/Cc288751\(v=Office.14\).aspx](https://technet.microsoft.com/en-us/library/Cc288751(v=Office.14).aspx)

Security Requirements

The User Account used to perform the install must be a SharePoint Farm Administrator.

Also review FileShare and Content Database Rights in the StoragePoint Reference Guide>Managing Storage Profiles, when a profile is created.

Screen Resolution Requirements

Metalogix StoragePoint requires a minimum screen resolution of 1024 x 768 for optimizing the user interface on the StoragePoint pages that are linked from the main menu on Application Administration in Central Administration.

Internet Browser Requirements

Microsoft Internet Explorer is the recommended browser for use with StoragePoint interface. Other browsers may work, but are not verified as supported for all functions.

Temporary Storage Requirements

The amount of temporary storage needed to support the timer jobs depends on the number of threads being used for the timer job. It is recommended that 10GB per thread, for each timer job running concurrently, be available on the server running the timer job. Most timer jobs can use a Controller/Worker configuration to spread this over multiple servers. The temporary storage location

can be configured on General Settings or during installation to use something other than the default (%appdata/local/temp).

SharePoint 2019 Modern UI considerations

SharePoint 2019 introduced a new look and feel for the user interface. StoragePoint links will work on this new user interface, but some additional configuration is necessary.

A Site Collection Feature will be deployed to SharePoint 2019 farms as of the 5.9.1 release. This feature should be enabled on the site collection for full StoragePoint user interface functionality.

Before activating the Site Collection Feature, an App Catalog must be configured for the web application, as well as an App Management service application.

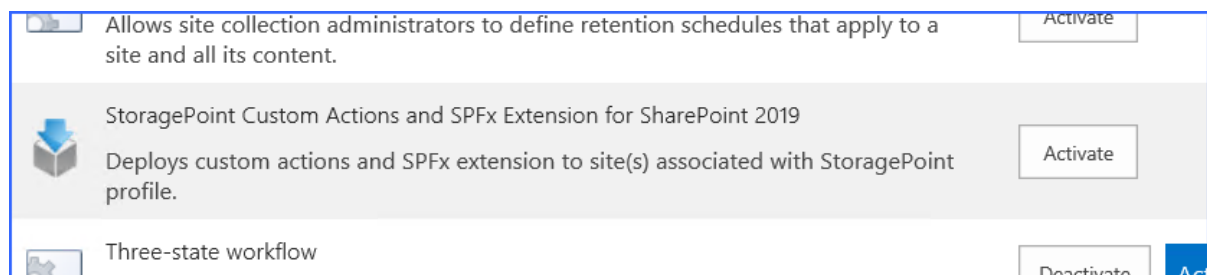
Please reference the following articles for provisioning these resources.

<https://docs.microsoft.com/en-us/sharepoint/administration/configure-an-environment-for-apps-for-sharepoint#configure-the-subscription-settings-and-app-management-service-applications>

<https://docs.microsoft.com/en-us/sharepoint/administration/manage-the-app-catalog>

There are some PowerShell script examples in the PowerShell and API Guide for provisioning these resources.

When these steps are done, open the Site Collection Features (Gear Icon>Site Info>View All Site Settings), scroll to StoragePoint Custom Actions and SPFx Extension for SharePoint 2019 and click Activate.



Metalogix StoragePoint Database Sizing

The Metalogix StoragePoint database is used to track all BLOB activity for all profiles in the farm. This means that the Metalogix StoragePoint database will have many rows, and it will grow at a rate proportional to the number of documents added to the content databases in the farm. The Unused BLOB Cleanup and BLOB Health Analyzer timer jobs (found on the Profiles page) are critical for keeping the database size to a minimum.

To size the Metalogix StoragePoint database appropriately, use the following formula:

$(400 * (\text{number_of_blobs_in_content_db}) / 1,048,576 * 2) + 50 = \text{Ideal Size of Metalogix StoragePoint DB (in MB)}$

where *number_of_blobs_in_content_db* is the number of documents and versions in all the externalized content databases and *50* represents the size (in MB) of an empty Metalogix StoragePoint database and accounting for a reasonable amount of configuration data (i.e. Storage Profile and Endpoint definitions).

So, as an example, for a farm with 1 million total documents and versions, this would come out to 813 MB. This figure includes a considerable amount of slack and room for future growth.

It is advisable to also set the Metalogix StoragePoint database to auto-grow in SQL Server. This will ensure that Metalogix StoragePoint keeps functioning if the allocated space is exceeded.

Additionally, Microsoft has restrictions on database sizing that must be [followed](#).

Advanced Installation

Install or Upgrade Metalogix StoragePoint

Install or Upgrade Metalogix StoragePoint

This section will walk through the process of installing Metalogix StoragePoint for the first time in the SharePoint farm or upgrading an existing installation.

CAUTION: An upgrade is irreversible. Before proceeding with any install, make sure proper preparation has been completed. As an added precaution it is advisable to back-up the Metalogix StoragePoint configuration database prior to performing any upgrade.

NOTE: To install bits on an app server outside of the farm, please see Advanced Options, Install AppServer.

1. Refer to the welcome e-mail with instructions on how to download the Metalogix StoragePoint software. This e-mail will be sent after registering for a trial or making a software purchase. Follow the instructions and download the software to one of the SharePoint WFEs or download it to another location and copy it to one of the WFEs.
2. Once downloaded or copied to a WFE within the farm or single-server environment, simply double-click the executable to launch the Metalogix StoragePoint Install Wizard.

NOTE: For Windows 2008 or Windows 2008 R2, right click on the executable and click Run as Administrator.

3. Click Install StoragePoint. The Evaluation Guide or this Quick Start Guide can also be loaded. Please note that both of these documents are PDFs, so please have Adobe Acrobat Reader or some other PDF viewer installed.

WELCOME TO THE STORAGEPOINT INSTALL WIZARD.

The installation wizard will install StoragePoint.

1 Save time, know how to install and evaluate.



Read the Evaluation Guide



Read the Quick Start Guide

2 Start installing.

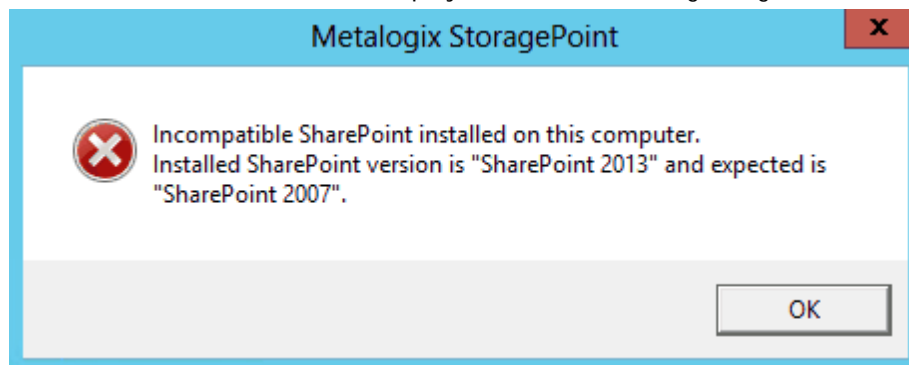


Install StoragePoint

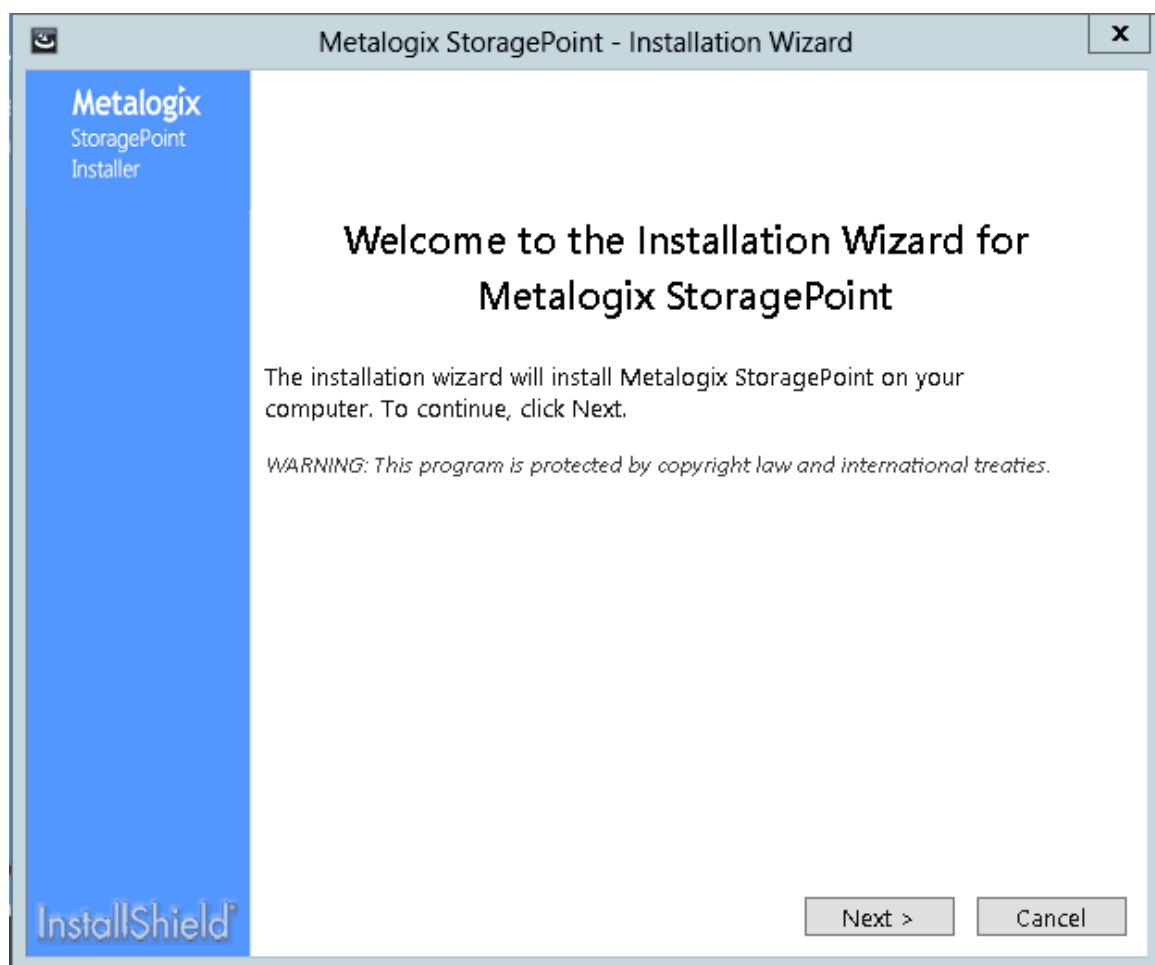
 QUIT

This program is protected by copyright law and international treaties.

If SharePoint has been upgraded, and software for a previous version is being installed, a message similar to the one below will be displayed. Contact Metalogix to get the correct version.



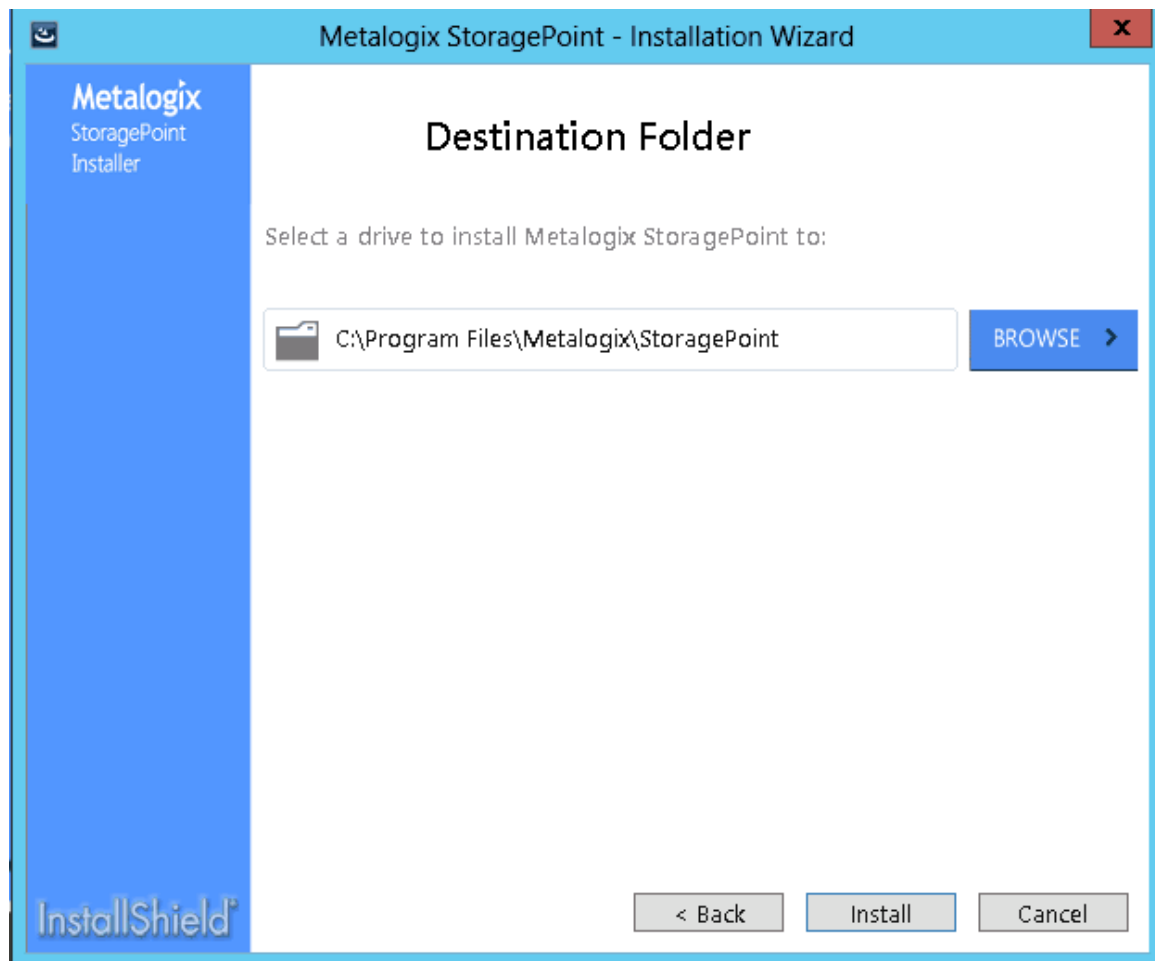
4. A welcome screen is displayed. Click Next.



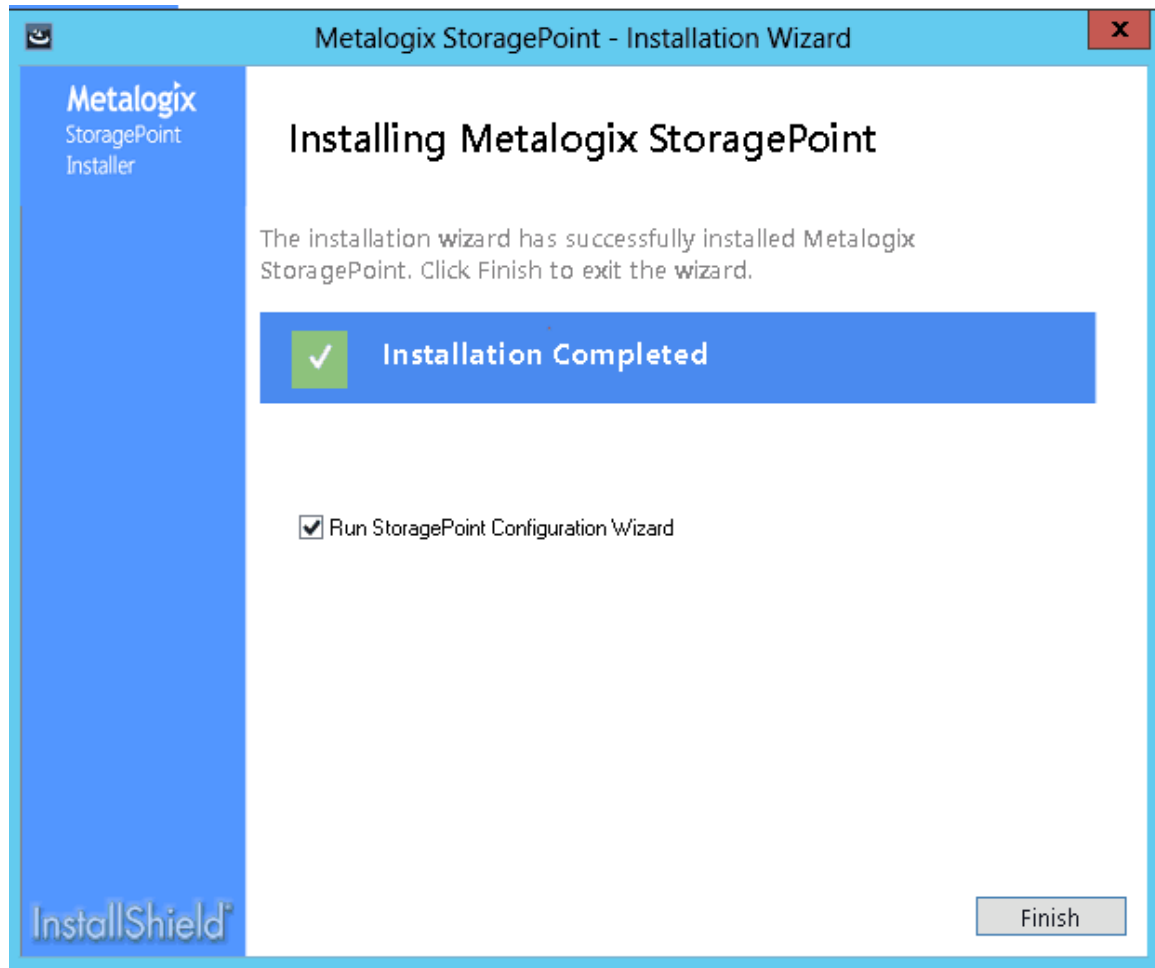
5. (Install only) Select the I Accept radio button, and click Next.
(Optional) To save a copy of the License Agreement, click the Print button and follow the prompts to save the file locally.



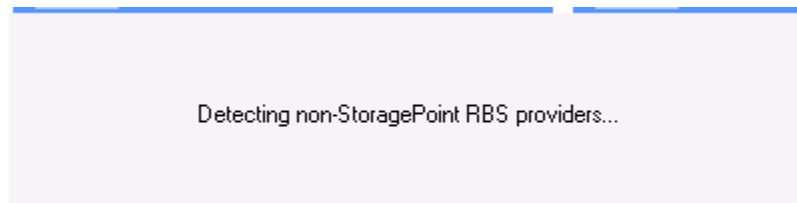
6. Enter the destination for installing the Metalogix StoragePoint. Click Browse to select something other than the default location. Click Install.



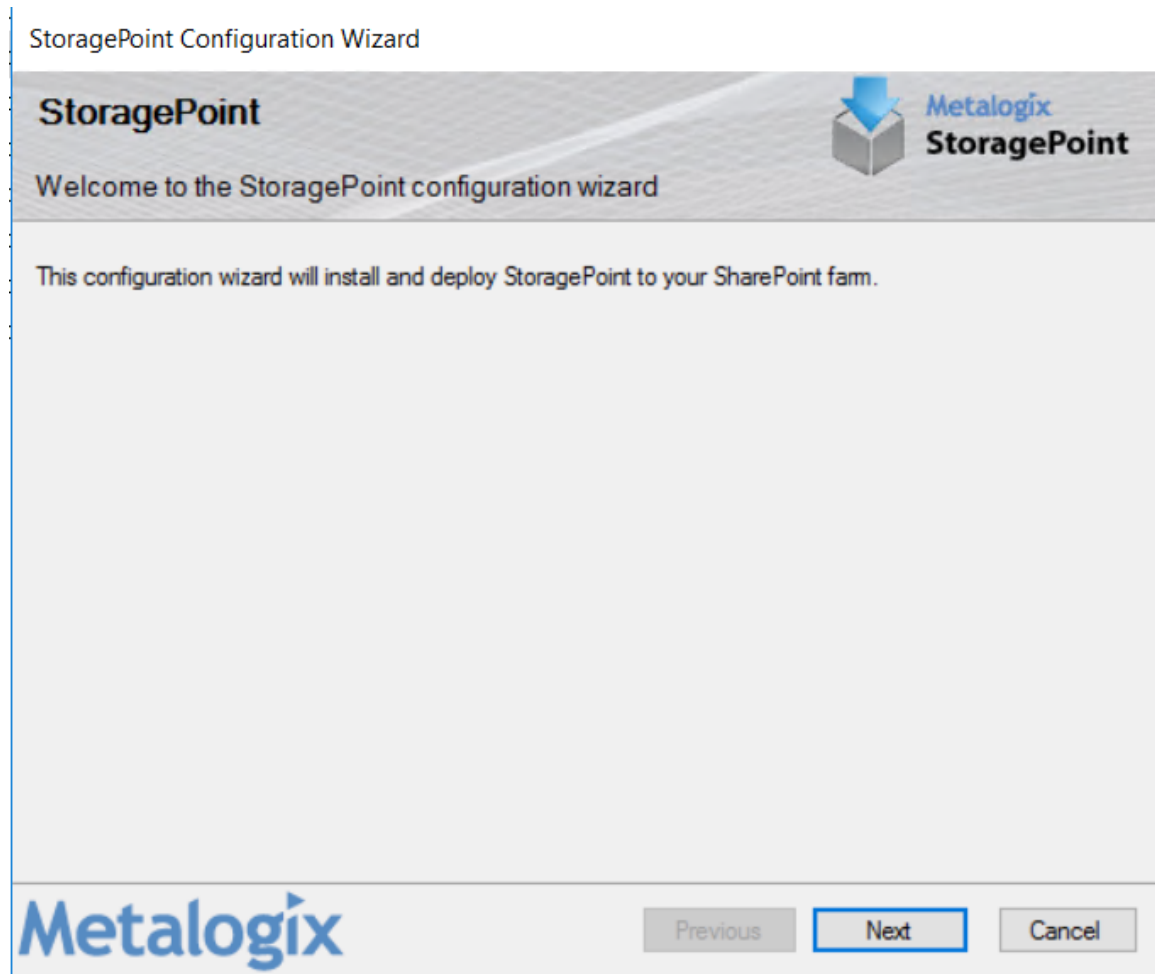
7. After the files are placed in the drive, make sure the Run StoragePoint Configuration Wizard checkbox is selected. Click Finish.



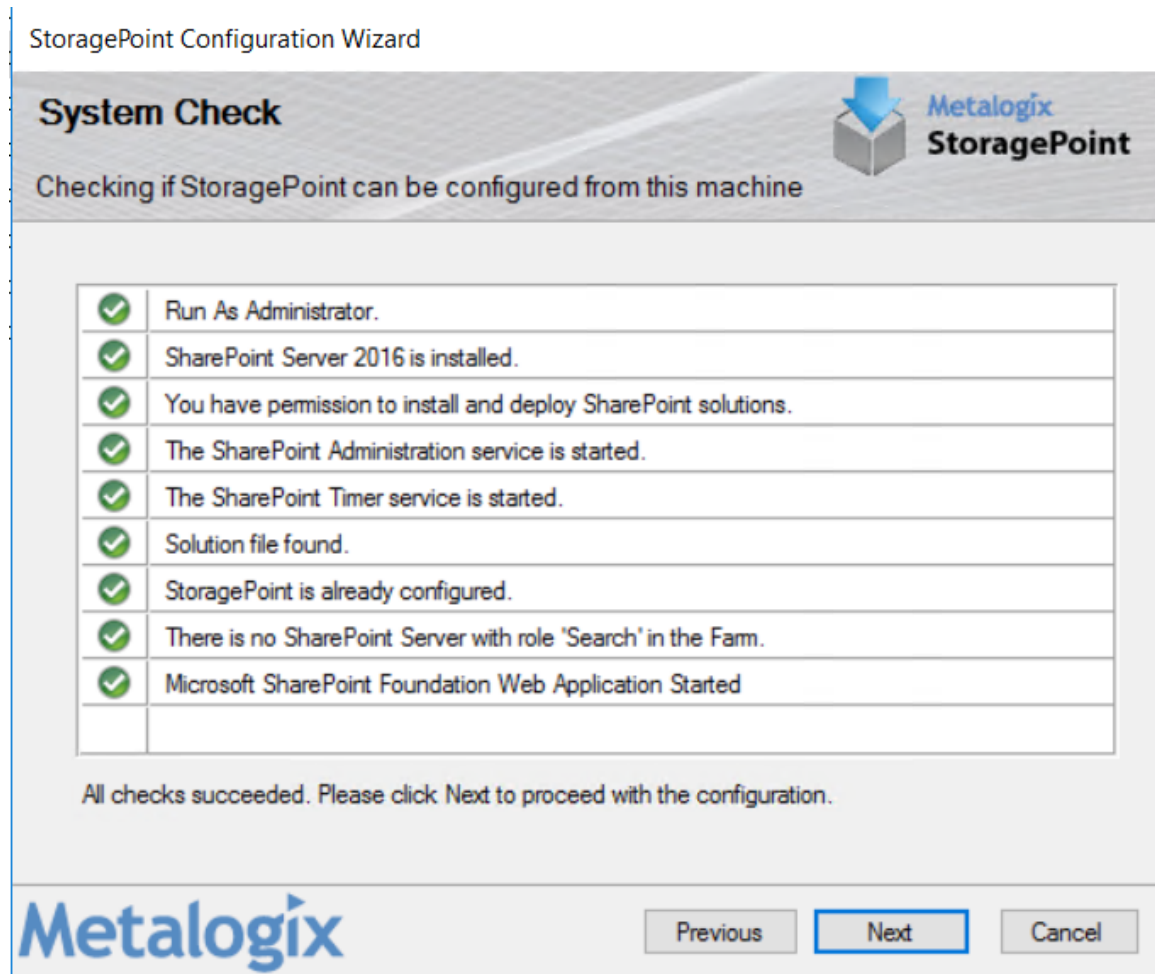
This message may display briefly to indicate that StoragePoint is looking for other installed software that may not be compatible with StoragePoint externalization.



8. The StoragePoint Configuration Wizard will launch. Click Next.



9. The installer will now perform a series of system checks to make sure the system is ready for Metalogix StoragePoint to be installed. If all system checks pass then click Next.



- i** **NOTE:** If a system check fails it will be denoted with a red X and the install will not be able to continue until the issue(s) are resolved. The installer will also check whether the most recent supported SharePoint CU is installed.
- i** **NOTE:** Unless a server is running only in a web server role, it will be detected as an app server. The bits will most likely deploy successfully, but use the [AppServer Install](#) if needed. If unsure, run the following PowerShell script to see the servers in the farm: `Get-SPServer | Select Name, Role`

10. UPGRADE ONLY: Choose Upgrade and Click Next.

StoragePoint Configuration Wizard

The screenshot shows the 'Upgrade or Remove' window of the Metalogix StoragePoint Configuration Wizard. The title bar says 'StoragePoint Configuration Wizard'. The window has a header with the title 'Upgrade or Remove' and the Metalogix StoragePoint logo. Below the header, it says 'Please select the operation you wish to perform'. The main area contains a question: 'Another version of StoragePoint is already configured. What would you like to do?'. There are two radio button options: 'Upgrade' (selected) and 'Remove'. The 'Upgrade' option has a description: 'Upgrades Metalogix StoragePoint on all web front end servers in the SharePoint farm.' The 'Remove' option has a description: 'Retracts the solution from all web applications and deletes it from the SharePoint solution store.' At the bottom, it says 'Please click the Next button to start the selected operation.' and there are three buttons: 'Previous', 'Next' (highlighted with a blue border), and 'Cancel'.

11. Enter the license key.

i **NOTE:** There may be more than one registration key depending on what licenses are installed. Please make sure to use the correct key. There are different keys for production and non-production licenses.

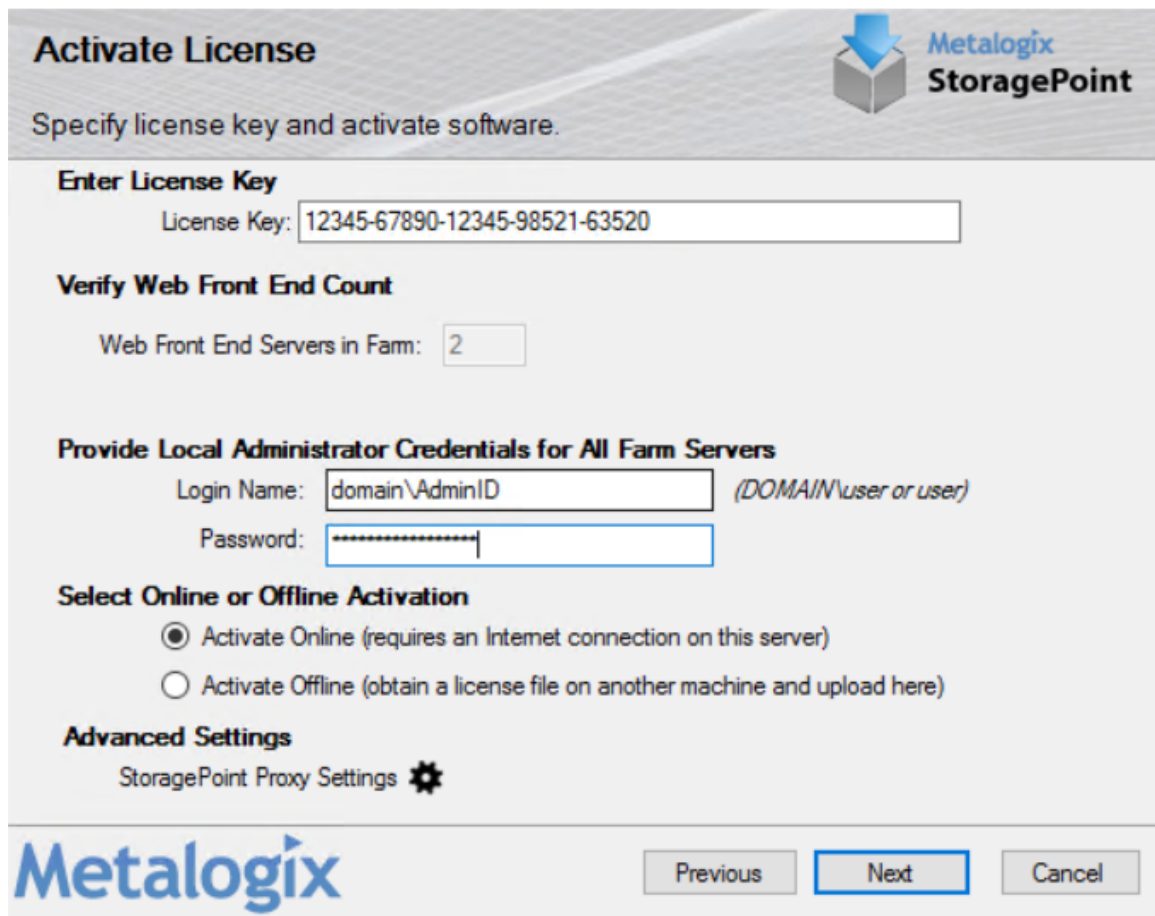
i **NOTE:** If a Trial license key is being activated, all Metalogix StoragePoint features except deleting storage profiles and the Recall timer job will stop working at the end of the trial period.

Verify the number of WFE servers in the farm. This can be less than the number requested with the license. An explanation in the Reason for Override field must be entered if the Override box is checked.

Provide the credentials for an account that has local administrator rights on the WFE(s). The activation and provisioning job that runs requires this access to register certain components on

each WFE.

StoragePoint Configuration Wizard



The screenshot shows the 'Activate License' step of the StoragePoint Configuration Wizard. The title bar is 'Activate License' with the Metalogix StoragePoint logo. The instructions say 'Specify license key and activate software.' The 'Enter License Key' section has a text box containing '12345-67890-12345-98521-63520'. The 'Verify Web Front End Count' section has a text box with '2'. The 'Provide Local Administrator Credentials for All Farm Servers' section has a 'Login Name' text box with 'domain\AdminID' and a 'Password' text box with masked characters. Below this is the 'Select Online or Offline Activation' section with two radio buttons: 'Activate Online (requires an Internet connection on this server)' which is selected, and 'Activate Offline (obtain a license file on another machine and upload here)'. At the bottom is the 'Advanced Settings' section with a link 'StoragePoint Proxy Settings' and a gear icon. The footer has the Metalogix logo and three buttons: 'Previous', 'Next' (highlighted), and 'Cancel'.

Activate License

Specify license key and activate software.

Enter License Key

License Key: 12345-67890-12345-98521-63520

Verify Web Front End Count

Web Front End Servers in Farm: 2

Provide Local Administrator Credentials for All Farm Servers

Login Name: domain\AdminID (DOMAIN\user or user)

Password: *****

Select Online or Offline Activation

☒ Activate Online (requires an Internet connection on this server)

☐ Activate Offline (obtain a license file on another machine and upload here)

Advanced Settings

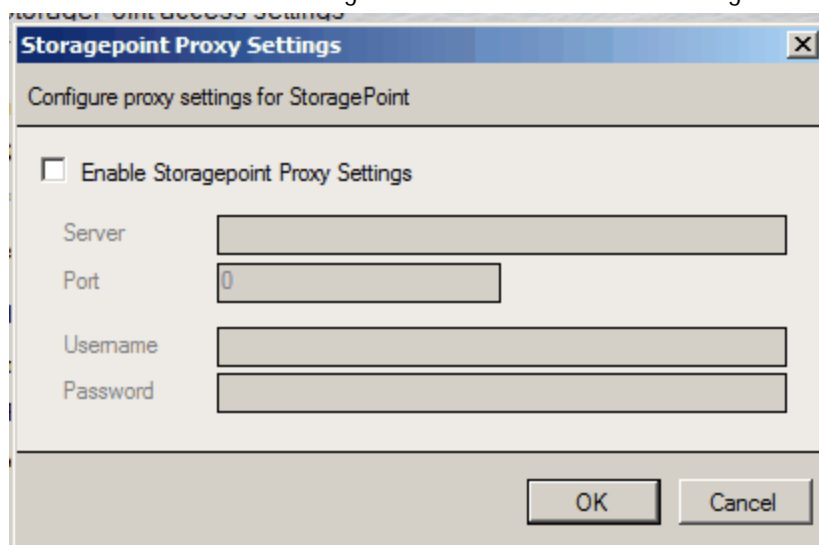
StoragePoint Proxy Settings ⚙

Metalogix

Previous Next Cancel

StoragePoint Proxy Settings

Use the optional StoragePoint Proxy Settings dialog to configure proxy settings for connecting to the license server. This setting can be edited on General Settings after the installation is complete.



The screenshot shows the 'StoragePoint Proxy Settings' dialog box. The title bar is 'Storagepoint Proxy Settings'. The subtitle is 'Configure proxy settings for StoragePoint'. There is a checkbox 'Enable Storagepoint Proxy Settings' which is currently unchecked. Below this are four text boxes: 'Server', 'Port' (containing '0'), 'Username', and 'Password'. At the bottom are 'OK' and 'Cancel' buttons.

Storagepoint Proxy Settings

Configure proxy settings for StoragePoint

☐ Enable Storagepoint Proxy Settings

Server

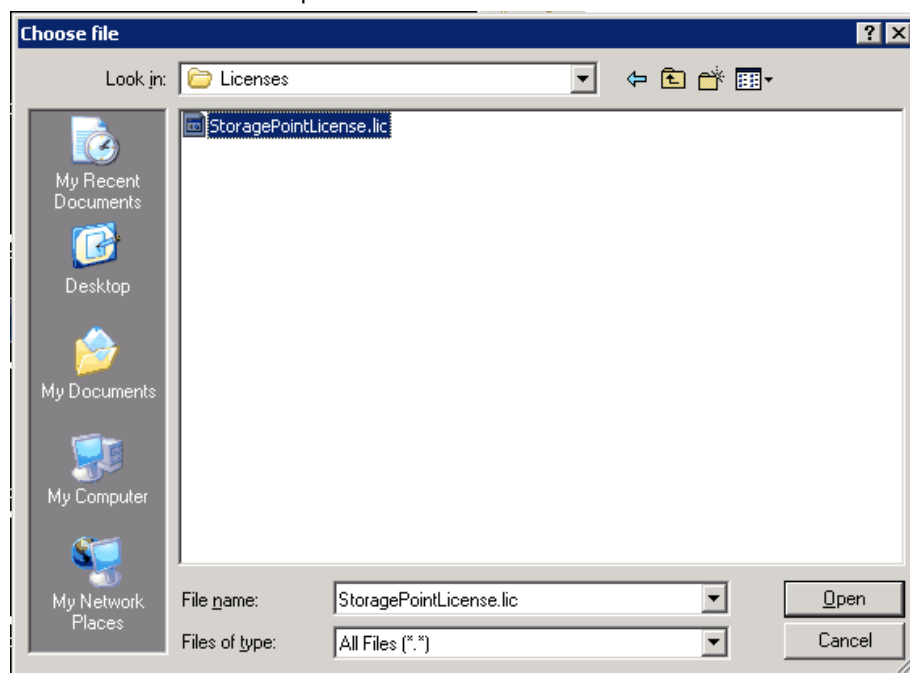
Port: 0

Username

Password

OK Cancel

12. Select the Activate Online option and click Next (go to Step 19) or if the server does not have an Internet connection, click Activate Offline and go to the next step.
13. (OPTIONAL) If the Active Offline option was selected, there will be a screen with Activation Data generated. The data is already selected; copy the data.
14. Click the link or open a browser on a computer with access to the internet and navigate to <https://support.quest.com/offline-activation>
15. Paste the Activation Data in the top field and click Activate.
16. There will be an error if an invalid registration key is entered. If all values entered are valid there will be a file download dialog. Save the file to a location that is accessible by the server where the license activation is being performed.
17. Back on the Offline Activation window, upload the license key file by clicking on the Browse... button.
 - a. Navigate to the location where the file was saved.
 - b. Select the file and click Open.



See Automatic (Internet) Activation or Manual Activation in the Administration Guide for more information on this process.

18. Click Next on the Offline Activation window.

19. Provide the name of the database server where the Metalogix StoragePoint configuration database will be installed. The database name and SA credentials can be modified if the currently logged on user does not have database and object create privileges on the specified SQL Server instance.

i **NOTE:** If SQL AlwaysON is being used, On Database Creation Login Credentials dialog, enter the name of the Listener in the Database Server field.

Click Test Connection to make sure the supplied values are valid.

Click Next.

The screenshot shows the 'StoragePoint Configuration Wizard' window, specifically the 'Database Creation Login Credentials' step. The window has a title bar and a header area with the Metalogix StoragePoint logo. The main area contains the following fields and options:

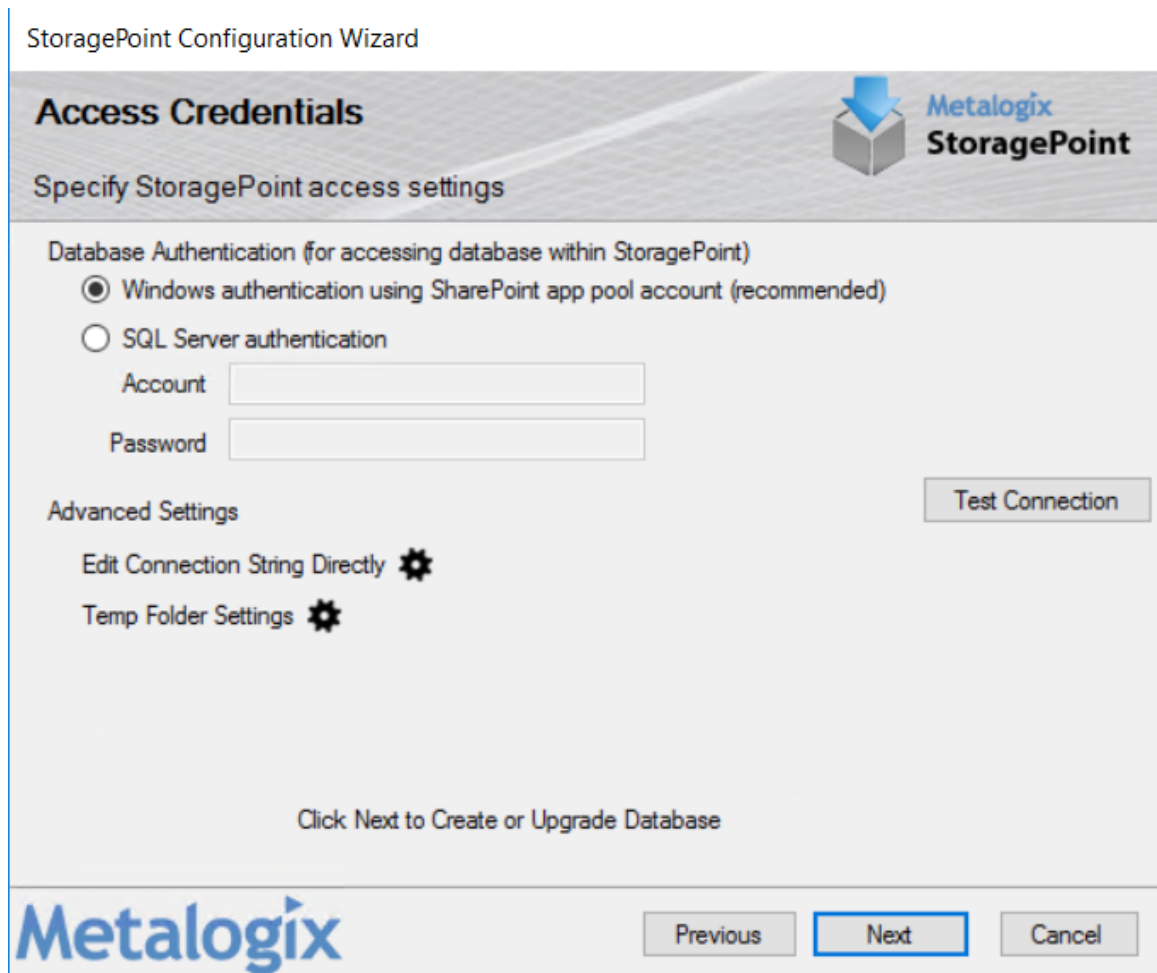
- Database Server:** A text box containing 's2-sp16-sql16'. To the right of this field is a note: 'Be sure to add \SQLEXPRESS to server name if using SQL Express Edition'.
- Database Name:** A text box containing 'STP'.
- Database Authentication (for creating database):**
 - ☒ Windows authentication (using Windows account running this utility)
 - ☐ SQL Server authentication
 - Account:** An empty text box.
 - Password:** An empty text box.
- ☐ (Advanced) Edit Connection String Directly
- Test Connection:** A button located at the bottom right of the main area.

At the bottom of the window, there is a footer area with the Metalogix logo on the left and three buttons: 'Previous', 'Next' (which is highlighted with a blue border), and 'Cancel'.

20. Provide the credentials that will be used to access the Metalogix StoragePoint configuration database. We recommend using the default setting, which will access the database via the app pool account(s) that the SharePoint web application(s) run under.

Click Test Connection to test the connection based on selected authentication method.

Click Next.

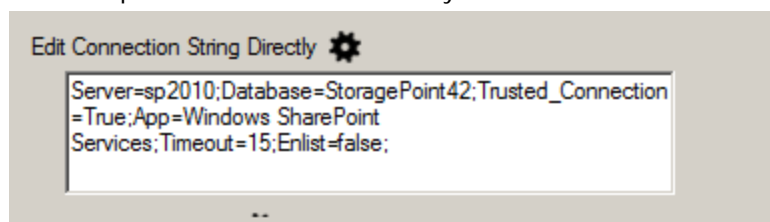


The screenshot shows the 'StoragePoint Configuration Wizard' window, specifically the 'Access Credentials' step. The title bar reads 'StoragePoint Configuration Wizard'. The main heading is 'Access Credentials' with a sub-heading 'Specify StoragePoint access settings'. The Metalogix StoragePoint logo is in the top right. Under 'Database Authentication (for accessing database within StoragePoint)', there are two radio buttons: 'Windows authentication using SharePoint app pool account (recommended)' (selected) and 'SQL Server authentication'. Below these are text boxes for 'Account' and 'Password'. To the right is a 'Test Connection' button. Under 'Advanced Settings', there are two links with gear icons: 'Edit Connection String Directly' and 'Temp Folder Settings'. At the bottom, it says 'Click Next to Create or Upgrade Database'. The footer has the Metalogix logo and three buttons: 'Previous', 'Next' (highlighted with a blue border), and 'Cancel'.

Advanced Settings

Edit Connection String Directly

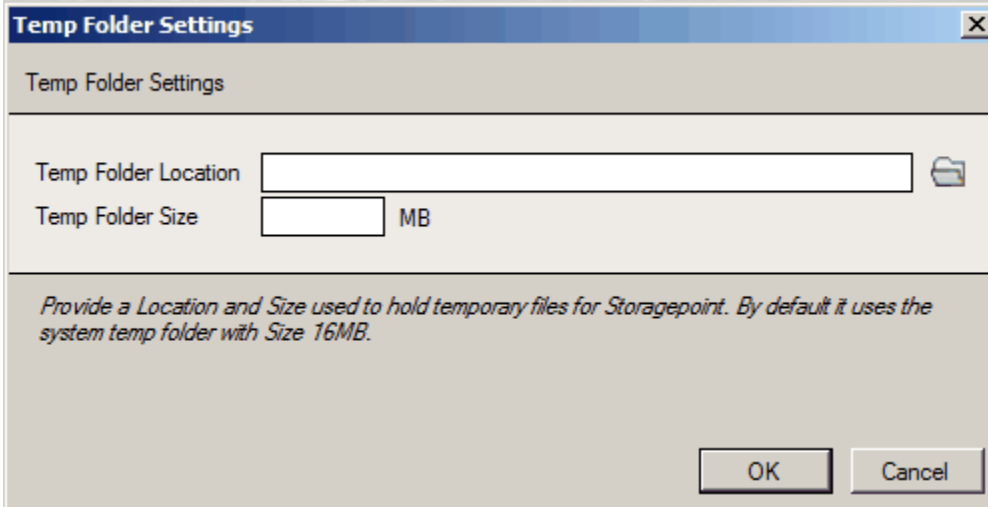
Use the optional text filed to manually edit the SQL database connection string.



The screenshot shows a small dialog box titled 'Edit Connection String Directly' with a gear icon. It contains a text area with the following SQL connection string: `Server=sp2010;Database=StoragePoint42;Trusted_Connection=True;App=Windows SharePoint Services;Timeout=15;Enlist=false;`

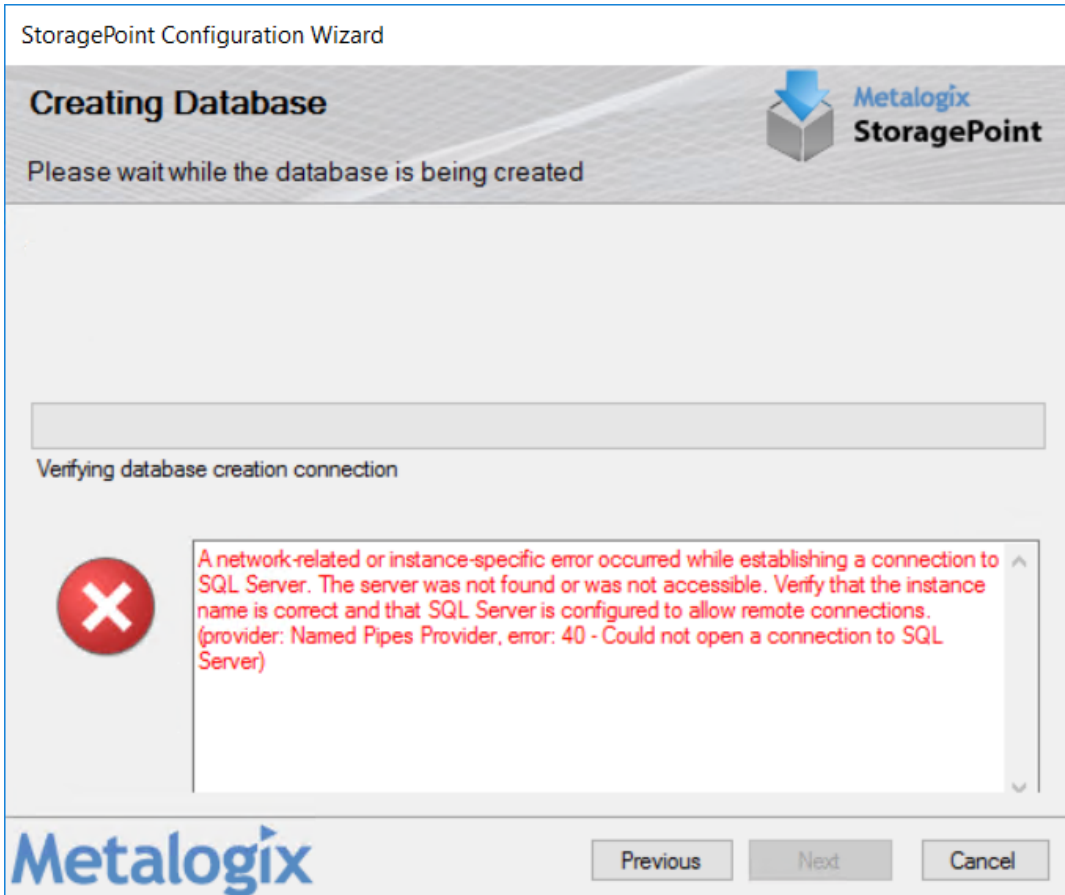
Temp Folder Settings

Use the optional Temp Folder Settings to allocate a location and size limit for temporary storage of StoragePoint files. This setting can be edited on General Settings.



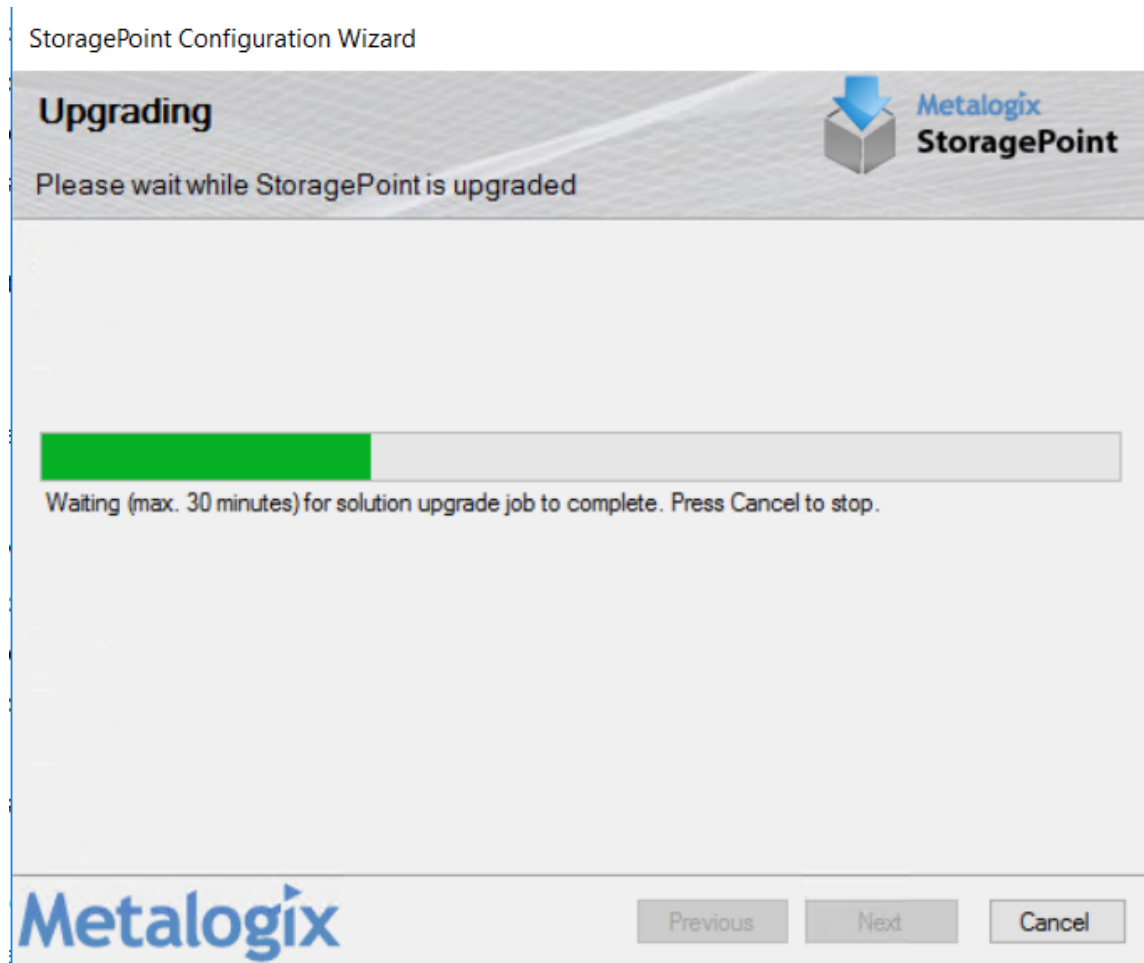
The 'Temp Folder Settings' dialog box has a title bar with a close button. Below the title bar is a section labeled 'Temp Folder Settings'. It contains two input fields: 'Temp Folder Location' with a folder icon to its right, and 'Temp Folder Size' with a numeric input field followed by 'MB'. Below these fields is a descriptive text: 'Provide a Location and Size used to hold temporary files for Storagepoint. By default it uses the system temp folder with Size 16MB.' At the bottom right are 'OK' and 'Cancel' buttons.

i **NOTE:** There will be an error similar to this if an invalid server/instance name or authentication credentials are entered for connection to the SQL server. Click Previous to go back and repair the error.



The 'StoragePoint Configuration Wizard' is shown at the 'Creating Database' step. The header includes the Metalogix StoragePoint logo. The main text says 'Please wait while the database is being created'. Below this is a progress bar and the text 'Verifying database creation connection'. A red error message is displayed in a box: 'A network-related or instance-specific error occurred while establishing a connection to SQL Server. The server was not found or was not accessible. Verify that the instance name is correct and that SQL Server is configured to allow remote connections. (provider: Named Pipes Provider, error: 40 - Could not open a connection to SQL Server)'. At the bottom are 'Previous', 'Next', and 'Cancel' buttons, along with the Metalogix logo.

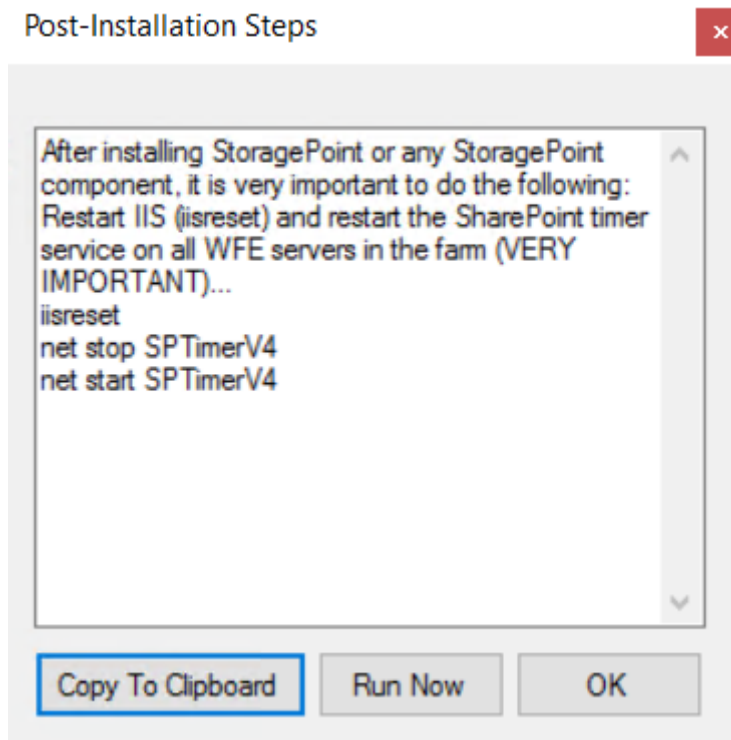
The solution file will now be installed on the local server and deployed to the all servers in the farm.



This page will periodically refresh to update the provisioning status. This process can take upwards of 5 minutes depending on the size of the farm.

i **NOTE:** If the deployment process fails for any reason the error will be presented in the installer. Click Next to see more information about the error, or Click Close to exit the installer.

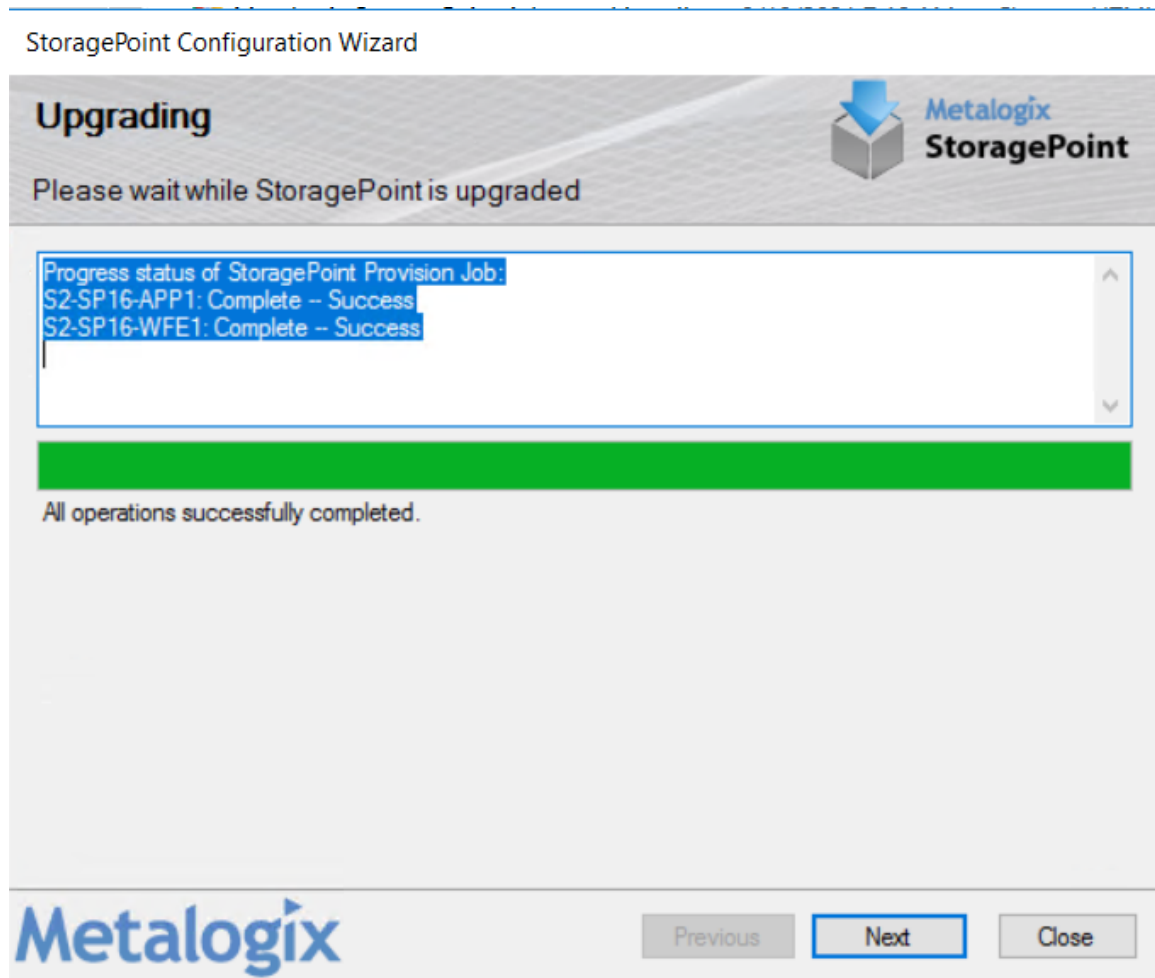
21. After the install, restart IIS and the SharePoint timer service. Click OK.



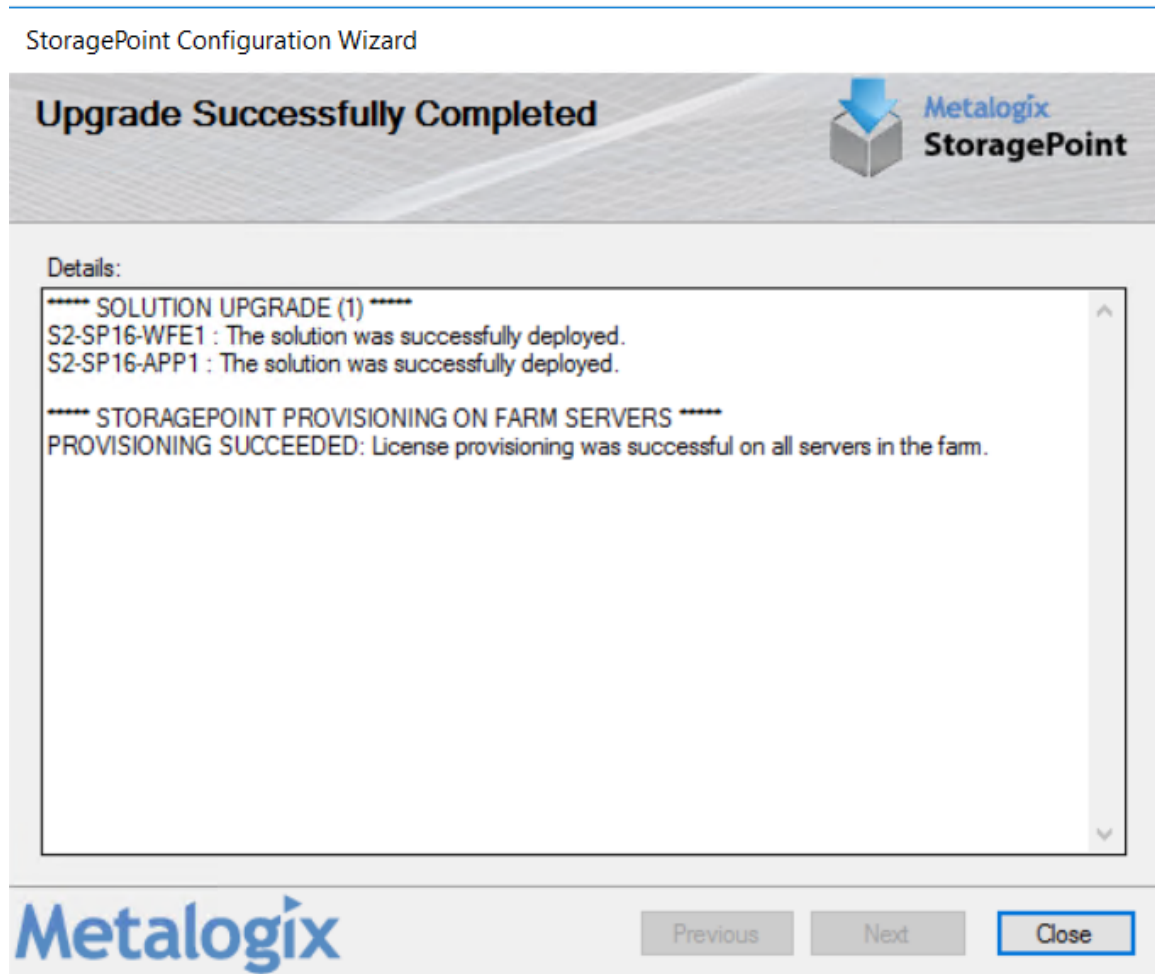
Copy to Clipboard will copy these instructions and make them available for pasting into a text editor for later reference or to create a script.

Run Now will immediately perform the iisreset and stop and start the timer services on all servers in the farm where StoragePoint was deployed.

22. Upon completion of the deployment process the progress status will change to All operations successfully completed. Click Next.



23. The installation process is complete. Click Close.



A browser window will be opened and to the Metalogix StoragePoint *License Management* page in *SharePoint Central Administration*.

i **NOTE:** While Metalogix StoragePoint is now deployed to the farm, BLOBs will not be externalized until the software is configured. See the *Setting Up Metalogix StoragePoint* section in the Reference Guide.

Setting up Metalogix StoragePoint

Metalogix StoragePoint is entirely managed within SharePoint Central Administration on the Application Management page. Once there, the state of the EBS Provider can be changed, farm-wide storage profile defaults can be established, and the storage endpoints and profile(s) can be managed.

The general high-level steps to follow when setting up Metalogix StoragePoint to run within the SharePoint farm are as follows:

1. Configure Metalogix StoragePoint Logging. (OPTIONAL)

- a. This step will establish how verbose Metalogix StoragePoint logs information and errors.
 - b. Go to the Configuring Metalogix StoragePoint Logging section of the Metalogix StoragePoint Reference Guide for detailed instructions on performing this step.
2. Configure the Metalogix StoragePoint System Cache (OPTIONAL)
 - a. This step will establish the temporary location for BLOBs during Asynchronous operations. If a cloud-based storage platform is being used or any of the additional capabilities associated with asynchronous operations, then this is a required step.
 - b. Go to the System Cache section of the Metalogix StoragePoint Reference Guide for details on performing this step.
3. Activate the EBS Provider. (REQUIRED only for EBS)
 - a. This step will prepare the farm to externalize BLOBs.
 - b. Go to the Activating the External BLOB Store (EBS) Provider section of the Metalogix StoragePoint Reference Guide for detailed instructions on performing this step.
4. Configure the Default Values, General Settings and Farm Wide Timer Jobs. (OPTIONAL)
 - a. This step will establish default values for newly-created endpoints and storage profiles. If defaults are not configured then newly-created endpoints and storage profiles will be blank. This step will allow the administrator to monitor the health and activity of the storage endpoints, as long as capacity thresholds are established when endpoints are created. It will also set up the frequency of migration jobs for archiving and asynchronous externalization.
 - b. Go to the General Settings section of the Metalogix StoragePoint Reference Guide for detailed instructions on performing this step.
5. Configure the Storage Endpoints. (REQUIRED)
 - a. This step will create the storage location(s) (endpoints) where content will be externalized. One or more endpoints can be defined per storage profile. They can be created from the Storage and Backup Endpoints link in Metalogix StoragePoint's Central Administration section or from within the Storage Profile user interface.
 - b. Go to the Manage Storage Endpoints section of the Metalogix StoragePoint Reference Guide for detailed instructions on performing this step.
6. Create one or more Storage Profiles. (REQUIRED)
 - a. This step will create the storage profile(s) that will dictate how BLOBs are externalized. Profiles can be scoped by web application, content database, and/or site collection.
 - b. Go to the Managing Storage Profiles section of the Metalogix StoragePoint Reference Guide for detailed instructions on performing this step.
7. Configure Archiving Setting for each storage profile. (OPTIONAL)

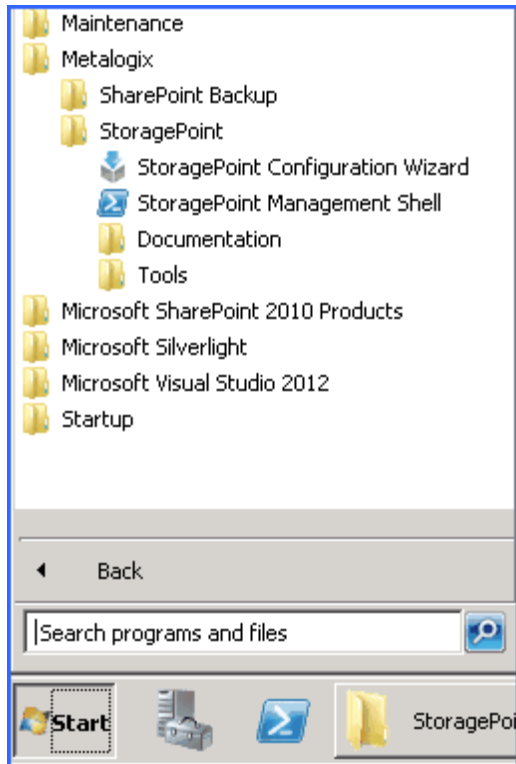
- a. This step will enable less accessed content to be moved to less expensive tiers of storage.
- b. Go to the Archiving section of the Metalogix StoragePoint Reference Guide for detailed instructions on performing this step.
- 8. Configure the Unused BLOB Cleanup Job for the Storage Profile. (OPTIONAL)
 - a. This step involves scheduling how frequently the Unused BLOB Cleanup Job is run.
 - b. There are important considerations to keep in mind when scheduling this job. Please see the Unused BLOB Cleanup Job Considerations section of the Metalogix StoragePoint Reference Guide for more information.
- 9. Run an Externalize job for each configured Storage Profile. (OPTIONAL)
 - a. This step assumes that there is an existing content database for which to externalize the existing BLOBs.
 - b. Go to the Configure Storage Profile Timer Jobs section of the Metalogix StoragePoint Reference Guide for detailed instructions on performing this step.

Once these steps are completed, the BLOBs within the SharePoint farm will start externalizing to their configured locations (endpoints).

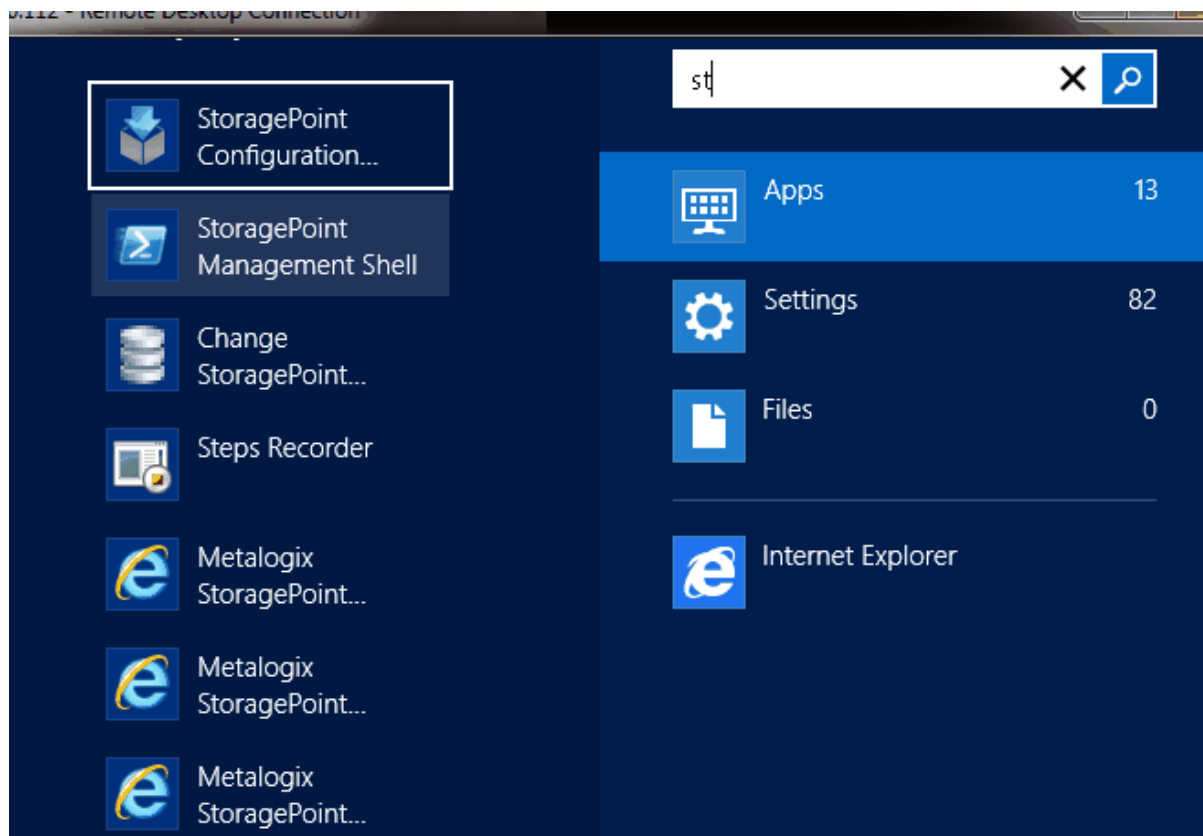
Repair Metalogix StoragePoint

A Repair function may be necessary in some situations, such as if it is being used on a SharePoint farm that is also using Content Matrix.

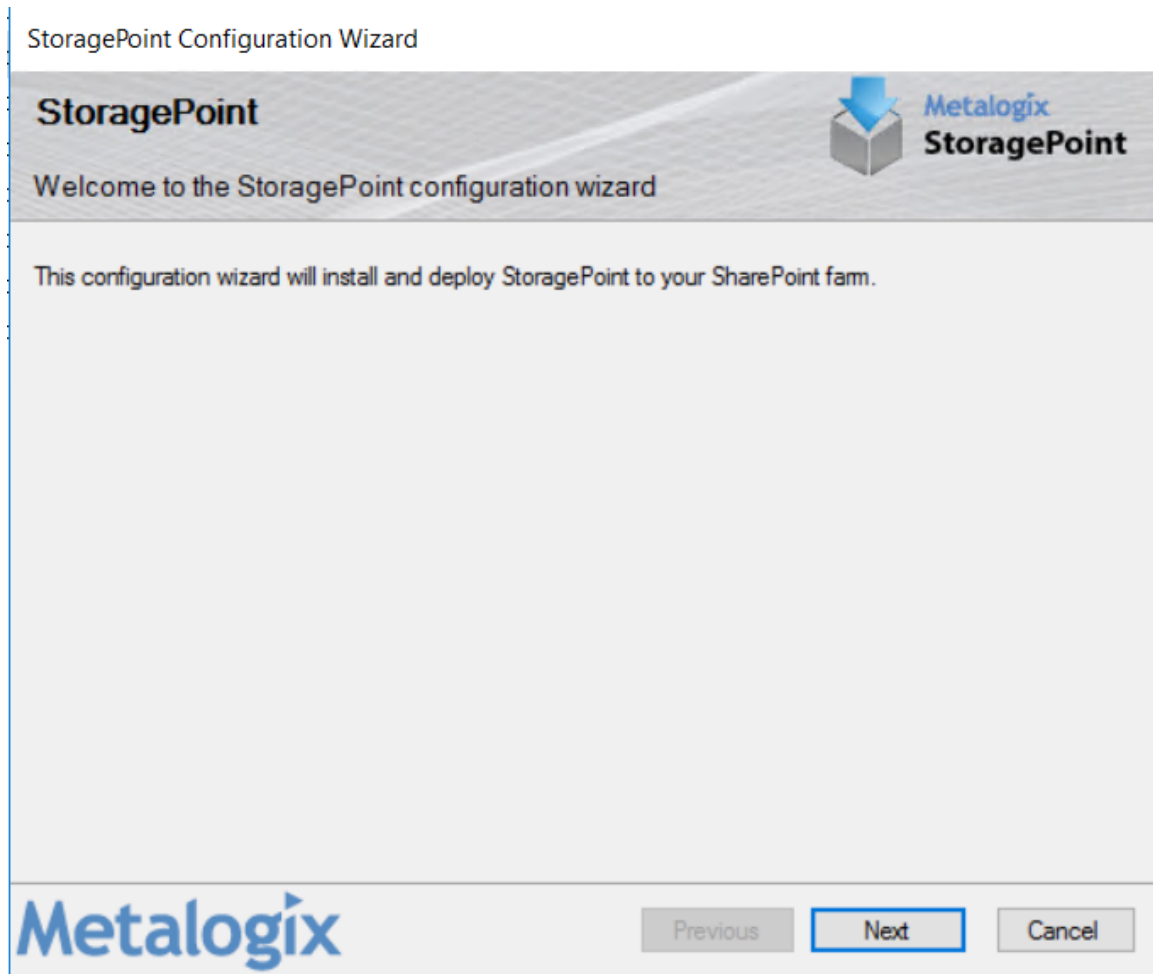
1. For Windows Server 2008, go to the start menu>Metalogix>StoragePoint>StoragePoint Configuration Wizard.



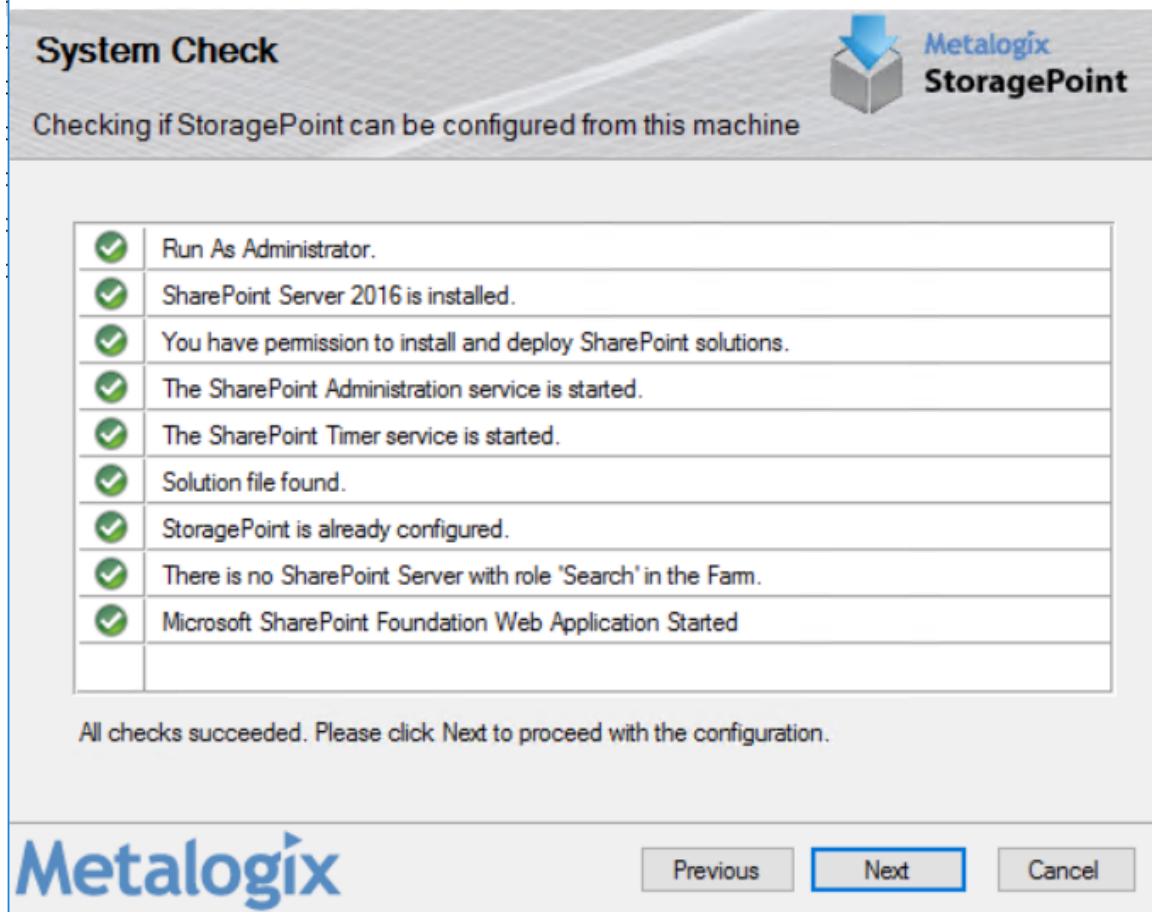
For Windows Server 2012 go to Search and type StoragePoint Configuration Wizard.



2. The configuration wizard opens. Click Next.



3. The installer will now perform a series of system checks to make sure the system is ready for Metalogix StoragePoint to be modified. If all system checks pass click Next.




i **NOTE:** If a system check fails it will be denoted with a red X and the install will not be able to continue until the issue(s) are resolved. The installer will also check whether the most recent supported SharePoint CU is installed.

4. With Repair selected, click Next.

StoragePoint Configuration Wizard

Repair or Remove



Please select the operation you wish to perform


StoragePoint is already configured. What would you like to do?

☒ **Repair**
Retract the solution from the farm and deploy it again.

☐ **Remove**
Retract the solution from the farm and remove it from the SharePoint solution store.

☒ **(Cannot remove because active storage profiles have been detected.)**

Please click the Next button to start the selected operation.

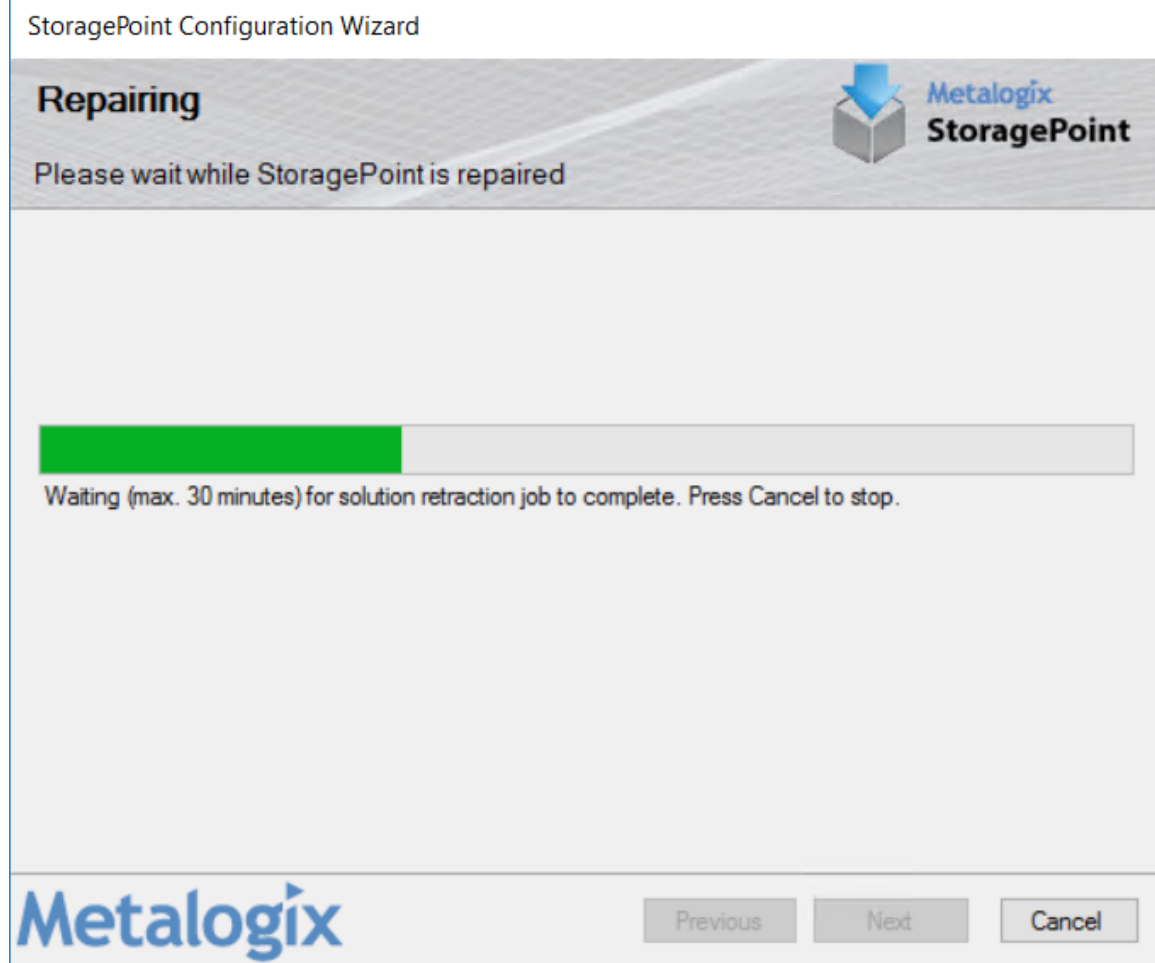


Previous

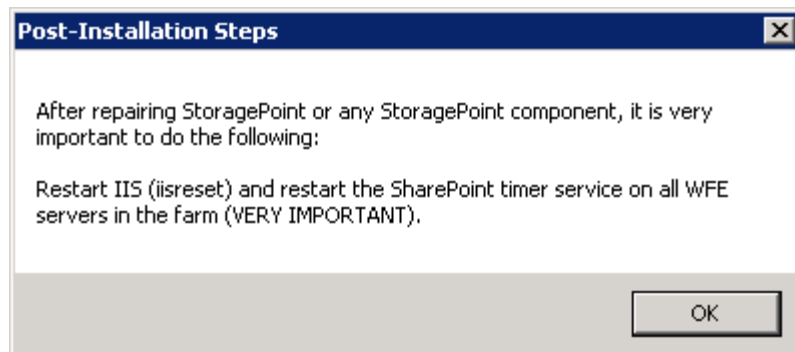
Next

Cancel

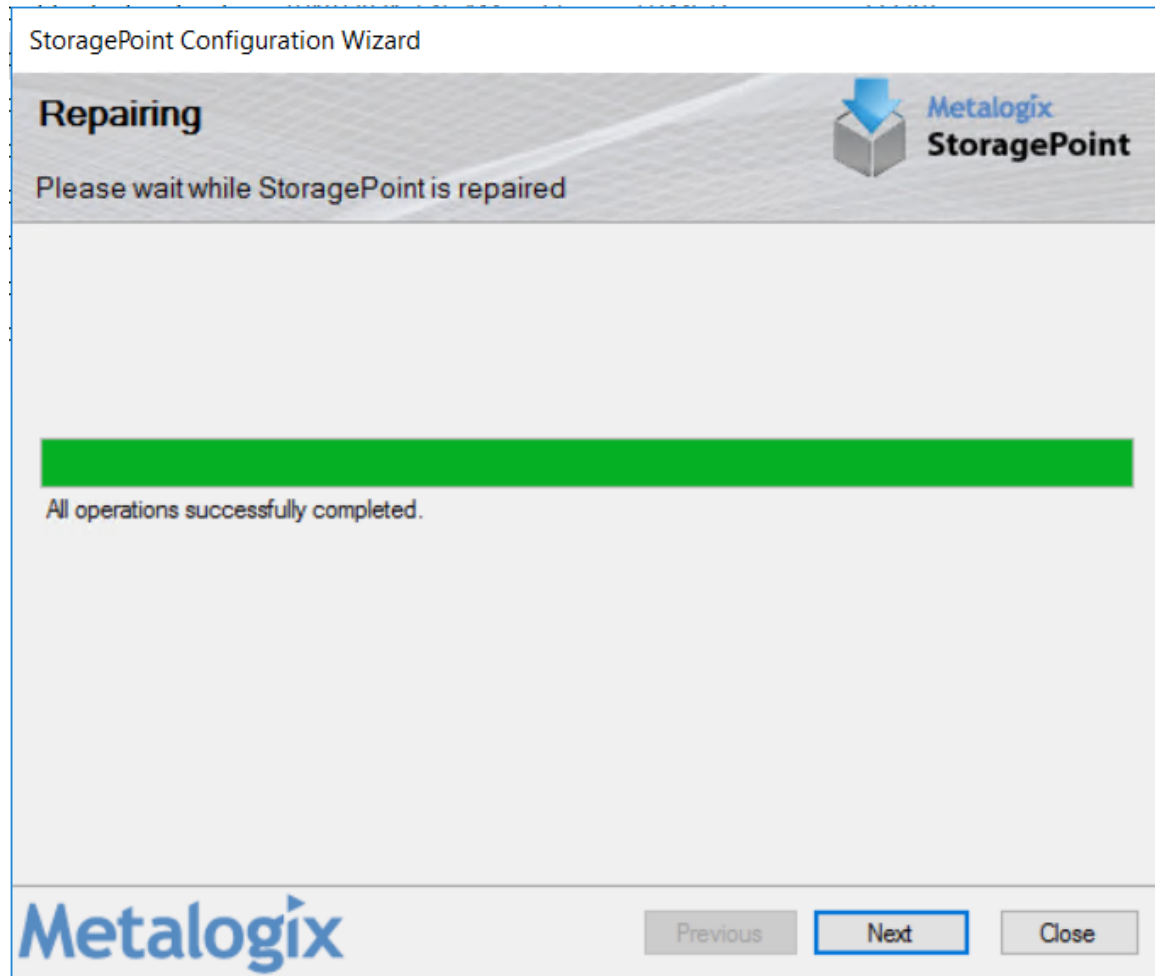
5. The solution file will now be removed from and re-deployed to all the servers in the farm.



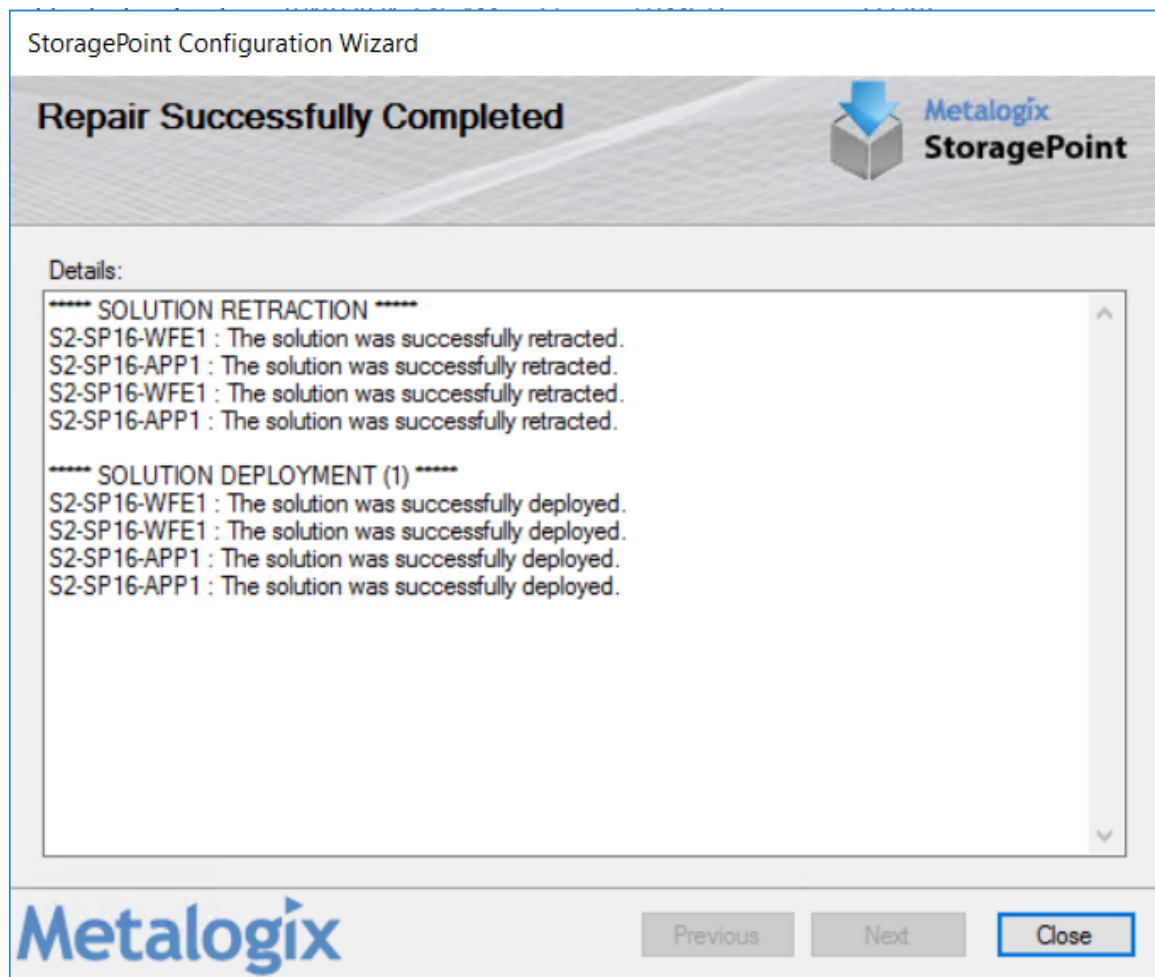
6. After the repair, restart IIS and the SharePoint timer service. Click OK.



7. Upon completion of the deployment process the progress status will change to All operations successfully completed. Click Next.



8. The repair process is complete. Click *Close*.



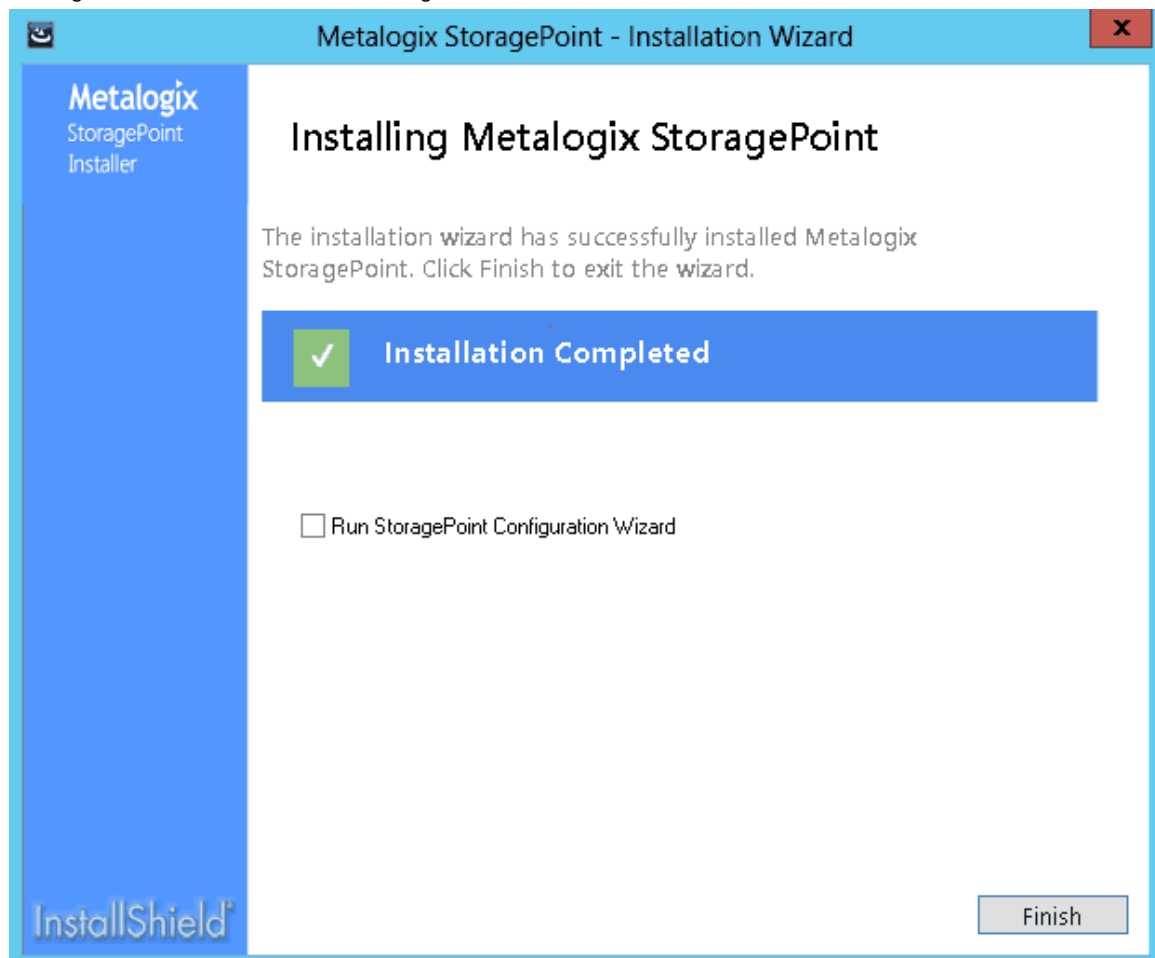
AppServer Install

If there are application or search servers that need the Metalogix StoragePoint bits installed to facilitate Microsoft Office integration with SharePoint, these are the steps which will put the dll files to the GAC. Generally, the regular install will take care of this, but if a server didn't receive the bits during deployment, this utility will take care of it. This utility is also used to remove the bits from a server.

The SharePoint Foundation web service must be running on the app server in order to install. It is also required if the app server will be used to run any StoragePoint or SharePoint timer jobs.

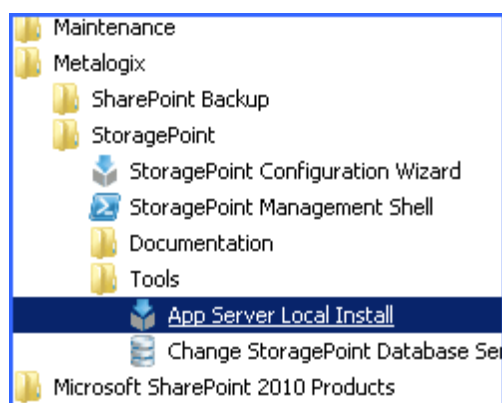
1. Once downloaded or copied to the app server within the farm or single-server environment, simply double-click the executable to launch the Metalogix StoragePoint installer.

2. Run through the installation steps as normal, but uncheck the box to Run the StoragePoint Configuration Wizard before clicking Finish.

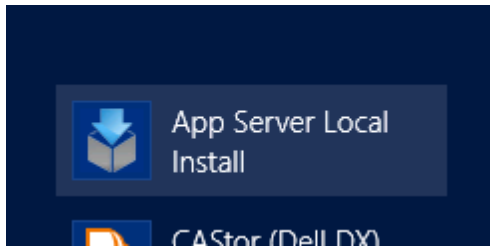


3. Find the Tools folder.

For Windows Server 2008, go to the start menu>Metalogix>StoragePoint>Tools>App Server Local Install.



For Windows Server 2012 go to Search and type App Server Local Install.



4. A new command prompt window will open and show the progress of the bits being installed.

A screenshot of a Windows command prompt window. The title bar reads 'C:\Windows\system32\cmd.exe'. The window contains a list of assembly files being added to the cache, each preceded by 'Assembly C:\Users\ADMINI~1\AppData\Local\Temp\1\StoragePoint\appserver\Bluethrea'. The files listed are: d.SharePoint.StoragePoint.Adapters.HcapRest.dll, d.SharePoint.StoragePoint.Adapters.Nirvanix.dll, d.SharePoint.StoragePoint.Adapters.Rackspace.dll, d.SharePoint.StoragePoint.Adapters.Xam.dll, d.SharePoint.StoragePoint.Archiving.dll, d.SharePoint.StoragePoint.ArchivingMoss.dll, d.SharePoint.StoragePoint.EBSPProvider.dll, d.SharePoint.StoragePoint.EventReceivers.dll, d.SharePoint.StoragePoint.Interfaces.dll, d.SharePoint.StoragePoint.MySites.dll, d.SharePoint.StoragePoint.StoragePointAPI.dll, and d.SharePoint.StoragePoint.TimerJobs.dll. Each line ends with 'successfully added to the cache'.

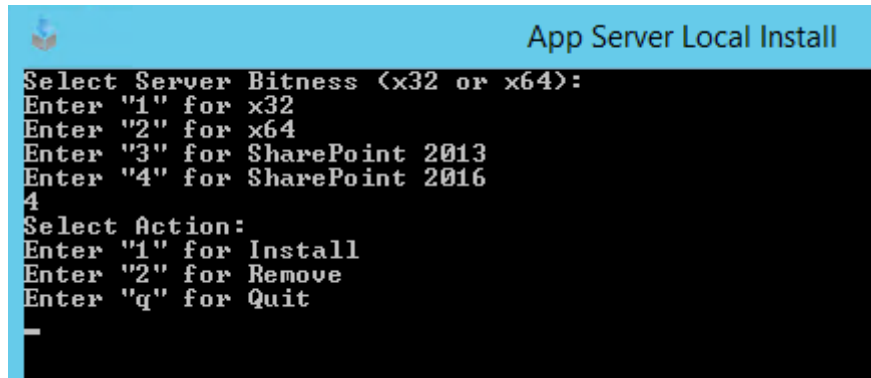
5. When complete, the screen will display a message that the install has been registered successfully. Press any key to close the window.

A screenshot of a Windows command prompt window. The title bar reads 'Administrator: C:\Windows\system32\cmd.exe'. The window contains the following text: 'C:\Users\ADMINI~1\AppData\Local\Temp\1\StoragePoint\appserver>"C:\Windows\system32\windowspowershell\v1.0\powershell.exe" -ExecutionPolicy unrestricted -file ".\provisionRBS.ps1"', 'C:\Users\ADMINI~1\AppData\Local\Temp\1\StoragePoint\appserver>GOTO BYE', 'C:\Users\ADMINI~1\AppData\Local\Temp\1\StoragePoint\appserver>echo Processing for "StoragePoint Build <1723>" on AppServer(x64) Complete', 'Processing for "StoragePoint Build <1723>" on AppServer(x64) Complete', 'C:\Users\ADMINI~1\AppData\Local\Temp\1\StoragePoint\appserver>PAUSE', and 'Press any key to continue . . .'. The window is currently paused at the 'PAUSE' command.

NOTE: There is no upgrade or repair option. If Metalogix StoragePoint is upgraded, remove the existing app server bits and install the new bits on the app server that were downloaded with the upgrade.

NOTE: Any IIS and timer job recycling must be done manually.

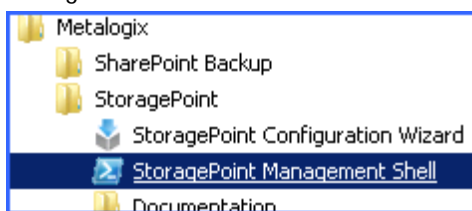
To uninstall the app server bits, click the executable. Select the version of SharePoint, then enter 2 to remove.



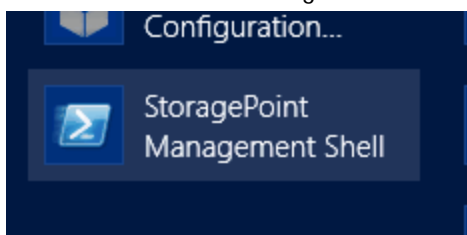
StoragePoint Management Shell

StoragePoint Management Shell will make the StoragePoint-specific PowerShell cmdlets available. For more information on the cmdlets, please see the following [page](#) on the [Metalogix](#) website.

For Windows Server 2008, go to the start menu>Metalogix>StoragePoint>StoragePoint Management Shell.



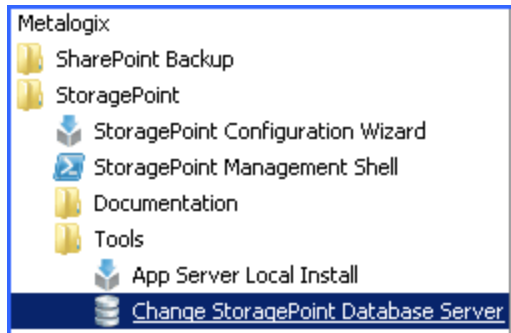
For Windows Server 2012 go to Search and type StoragePoint Management Shell.



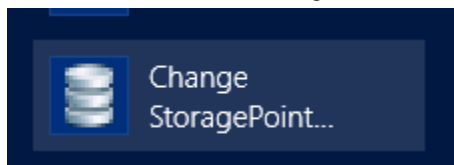
Change StoragePoint Database Name or Server

This option allows the database to be renamed, or specify another server or StoragePoint database to be used.

For Windows Server 2008, go to the start menu>Metalogix>StoragePoint>Tools>Change StoragePoint Database Server.



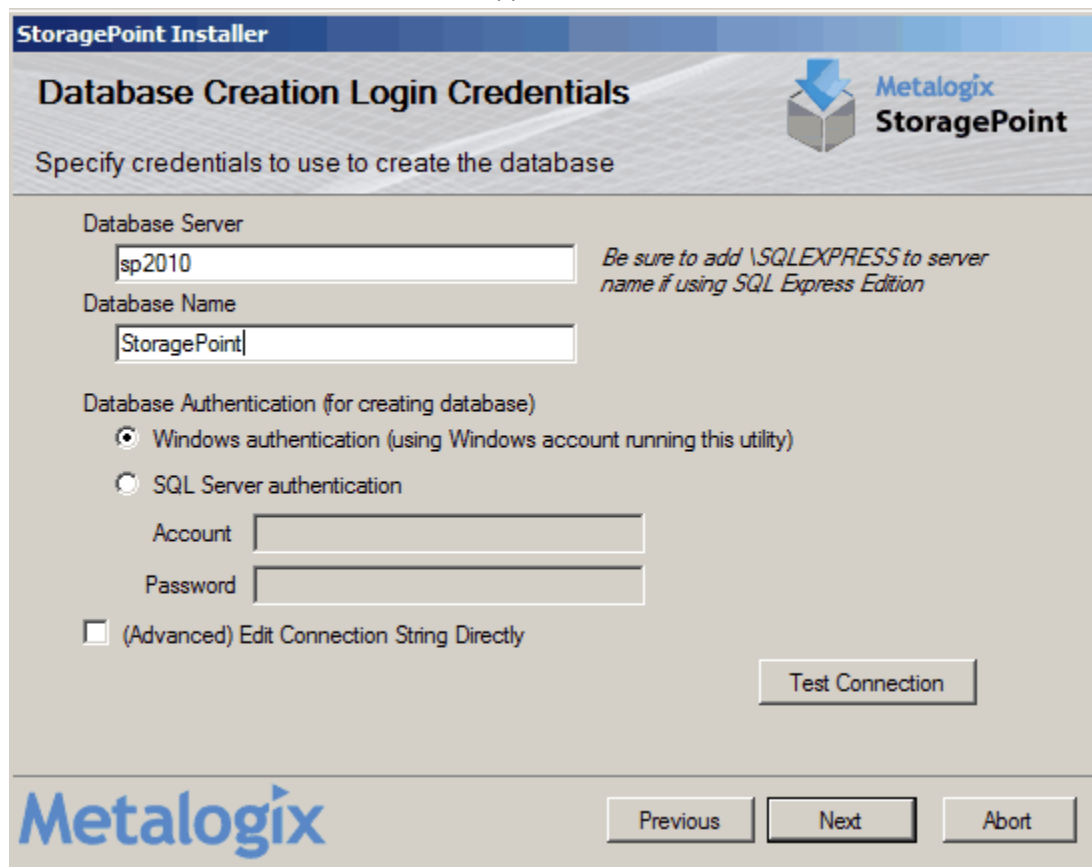
For Windows Server 2012 go to Search and type Change StoragePoint Database Server.



NOTE: Using this on a farm that is already in use is similar to restoring a StoragePoint database. Some restoration of endpoint information will be needed, as well as a recall and externalization of all content that is under StoragePoint control.

Provide the name of the database server where the Metalogix StoragePoint configuration database will be installed. The database name and SA credentials can be modified if the currently logged on user does not have database and object create privileges on the specified SQL Server instance.

Click *Test Connection* to make sure the supplied values are valid.



The screenshot shows the 'StoragePoint Installer' window with the title 'Database Creation Login Credentials'. The subtitle is 'Specify credentials to use to create the database'. The Metalogix StoragePoint logo is in the top right. The form contains the following fields and options:

- Database Server:** A text box containing 'sp2010'. To its right is a note: 'Be sure to add \SQLEXPRESS to server name if using SQL Express Edition'.
- Database Name:** A text box containing 'StoragePoint'.
- Database Authentication (for creating database):**
 - ☒ Windows authentication (using Windows account running this utility)
 - ☐ SQL Server authentication
 - Account:** An empty text box.
 - Password:** An empty text box.
- ☐ (Advanced) Edit Connection String Directly
- Test Connection:** A button.
- Navigation:** At the bottom are three buttons: 'Previous', 'Next', and 'Abort'. The 'Next' button is highlighted.

Click *Next*.

Provide the credentials that will be used to access the Metalogix StoragePoint configuration database. We recommend using the default setting, which will access the database via the app pool account(s) that the SharePoint web application(s) run under. Click *Test Connection* to test the connection based on selected authentication method.

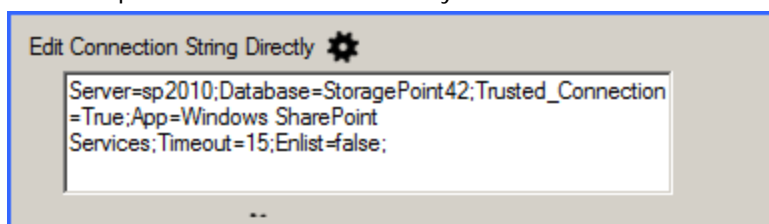


The screenshot shows the 'StoragePoint Installer' window with the 'Access Credentials' tab selected. The window title is 'StoragePoint Installer'. The main heading is 'Access Credentials' with a sub-heading 'Specify StoragePoint access settings'. The Metalogix StoragePoint logo is in the top right. Under 'Database Authentication (for accessing database within StoragePoint)', there are two radio buttons: 'Windows authentication using SharePoint app pool account (recommended)' (selected) and 'SQL Server authentication'. Below the SQL Server option are 'Account' and 'Password' text boxes. To the right is a 'Test Connection' button. Under 'Advanced Settings', there are three gear icons for 'Edit Connection String Directly', 'Temp Folder Settings', and 'Storagepoint Proxy Settings'. At the bottom, it says 'Click Next to Create or Upgrade Database' and has 'Previous', 'Next', and 'Abort' buttons. The Metalogix logo is in the bottom left.

Advanced Settings

Edit Connection String Directly

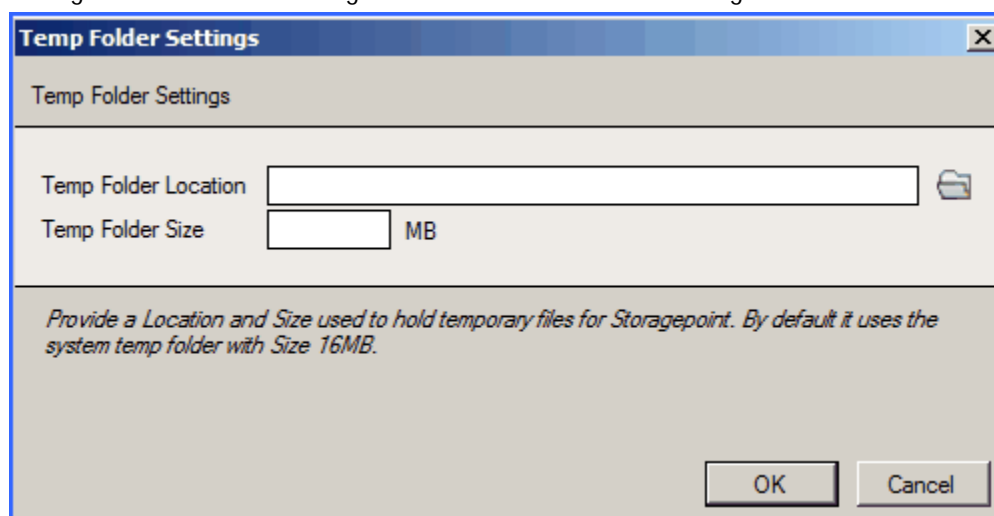
Use the optional text filed to manually edit the SQL database connection string.



The screenshot shows a dialog box titled 'Edit Connection String Directly' with a gear icon. It contains a text area with the following SQL connection string: `Server=sp2010;Database=StoragePoint42;Trusted_Connection=True;App=Windows SharePoint Services;Timeout=15;Enlist=false;`. There is a small '...' button at the bottom right of the text area.

Temp Folder Settings

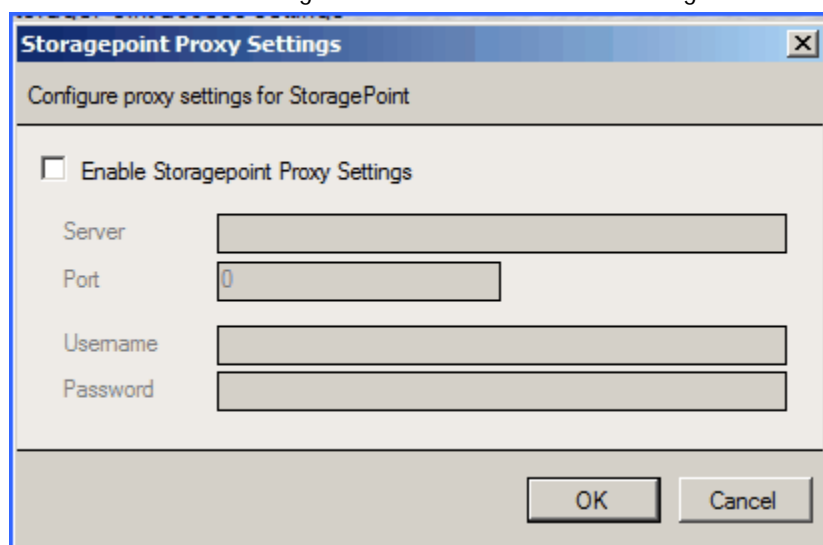
Use the optional Temp Folder Settings to allocate a location and size limit for temporary storage of StoragePoint files. This setting can be edited on General Settings.



The 'Temp Folder Settings' dialog box has a title bar with a close button. The main area is titled 'Temp Folder Settings'. It contains two input fields: 'Temp Folder Location' with a folder icon to its right, and 'Temp Folder Size' followed by a text box and 'MB'. Below these fields is a descriptive text: 'Provide a Location and Size used to hold temporary files for Storagepoint. By default it uses the system temp folder with Size 16MB.' At the bottom right are 'OK' and 'Cancel' buttons.

StoragePoint Proxy Settings

Use the optional StoragePoint Proxy Settings dialog to configure proxy settings for connecting to the license server. This setting can be edited on General Settings.



The 'Storagepoint Proxy Settings' dialog box has a title bar with a close button. The main area is titled 'Configure proxy settings for StoragePoint'. It starts with a checkbox labeled 'Enable Storagepoint Proxy Settings'. Below this are four input fields: 'Server', 'Port' (containing '0'), 'Username', and 'Password'. At the bottom right are 'OK' and 'Cancel' buttons.

Remove Metalogix StoragePoint

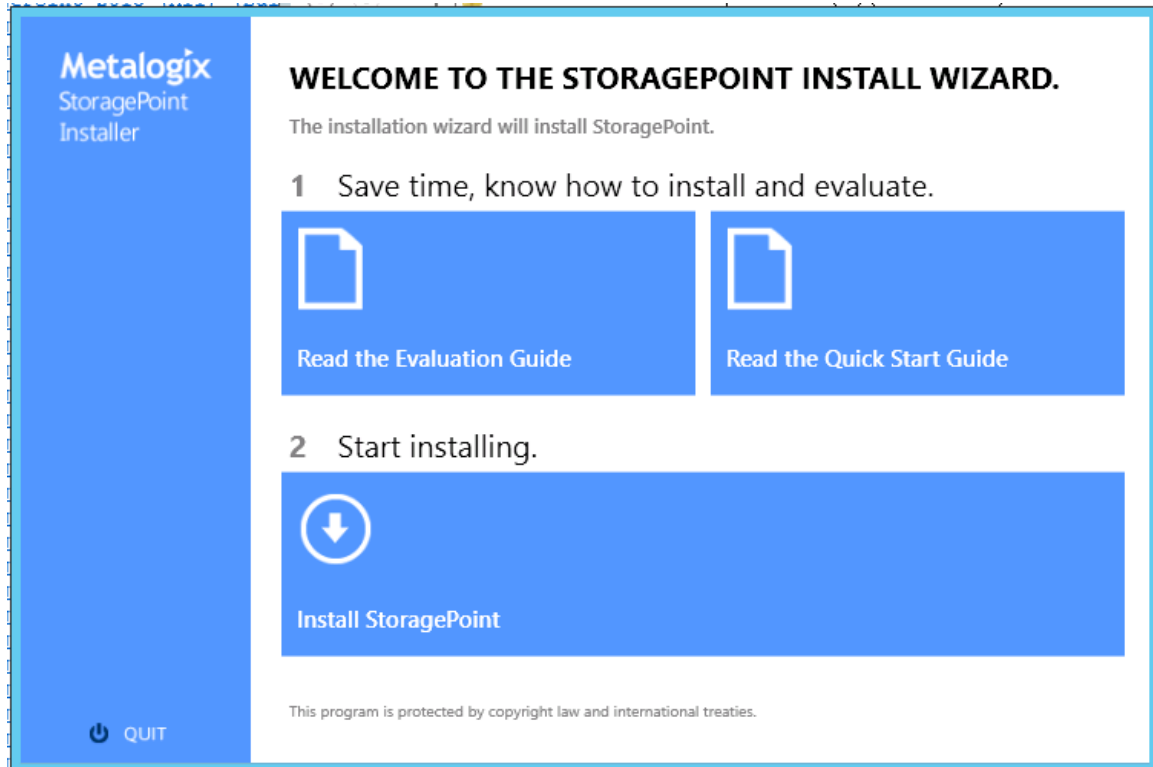
This section will walk through the process of removing an existing Metalogix StoragePoint installation. For installation steps, see the Metalogix StoragePoint Quick Start Guide.

CAUTION: Removing Metalogix StoragePoint from a farm where content is externalized will leave that content irretrievable. Therefore, recall content for all active Storage Profiles and deactivate the EBS Provider, if applicable, before removing Metalogix StoragePoint from the

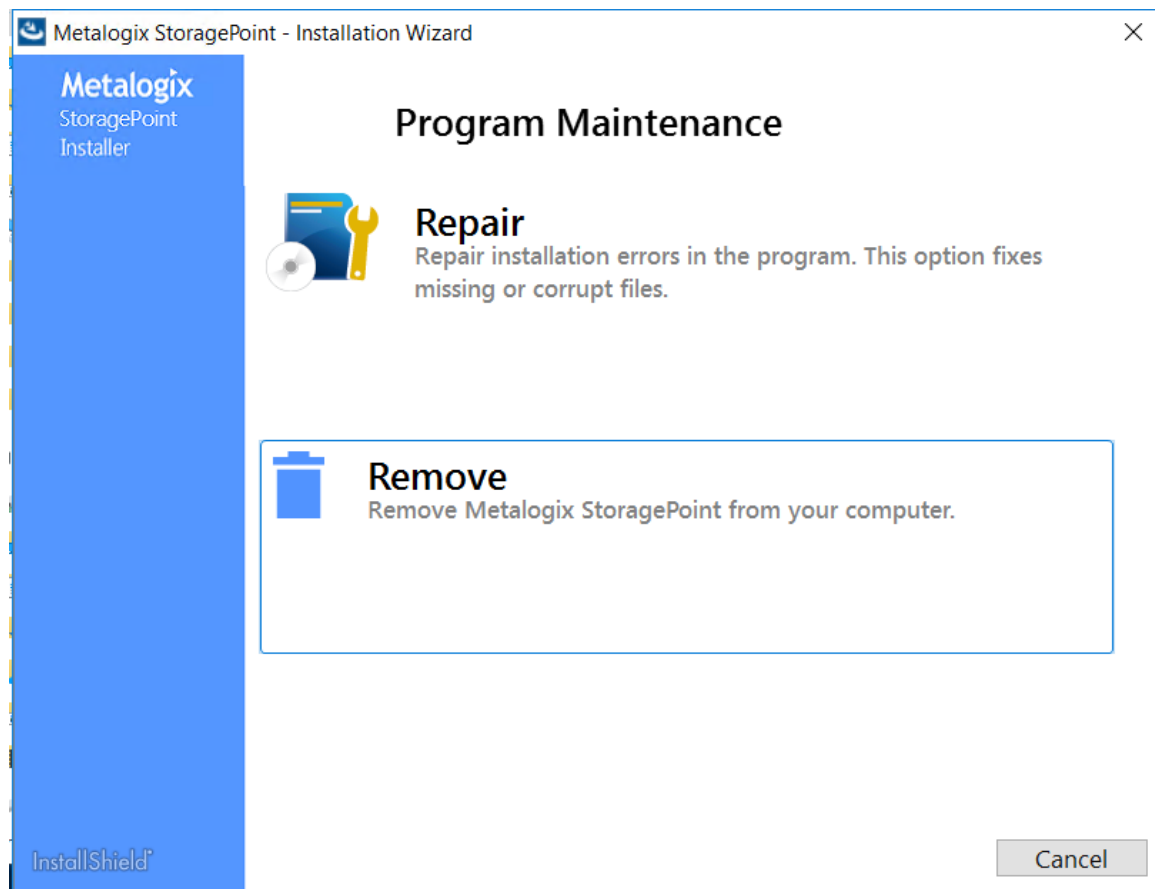
SharePoint farm. See the Deactivating the EBS Provider section of the Reference Guide for more information.

NOTE: StoragePoint must be present to allow for continued management of Large File content through SharePoint. Please see Large File Support in the Reference Guide for more information.

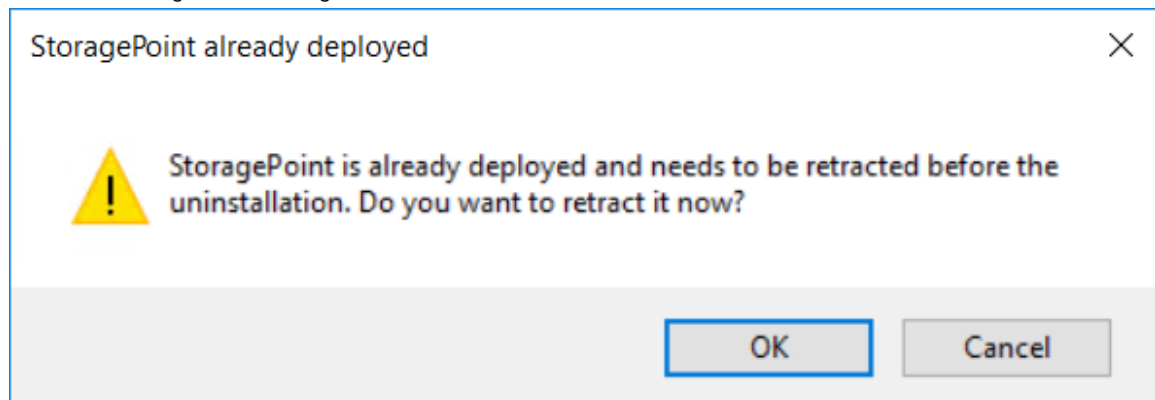
1. Launch the Metalogix StoragePoint Installer. Click Start Installing.



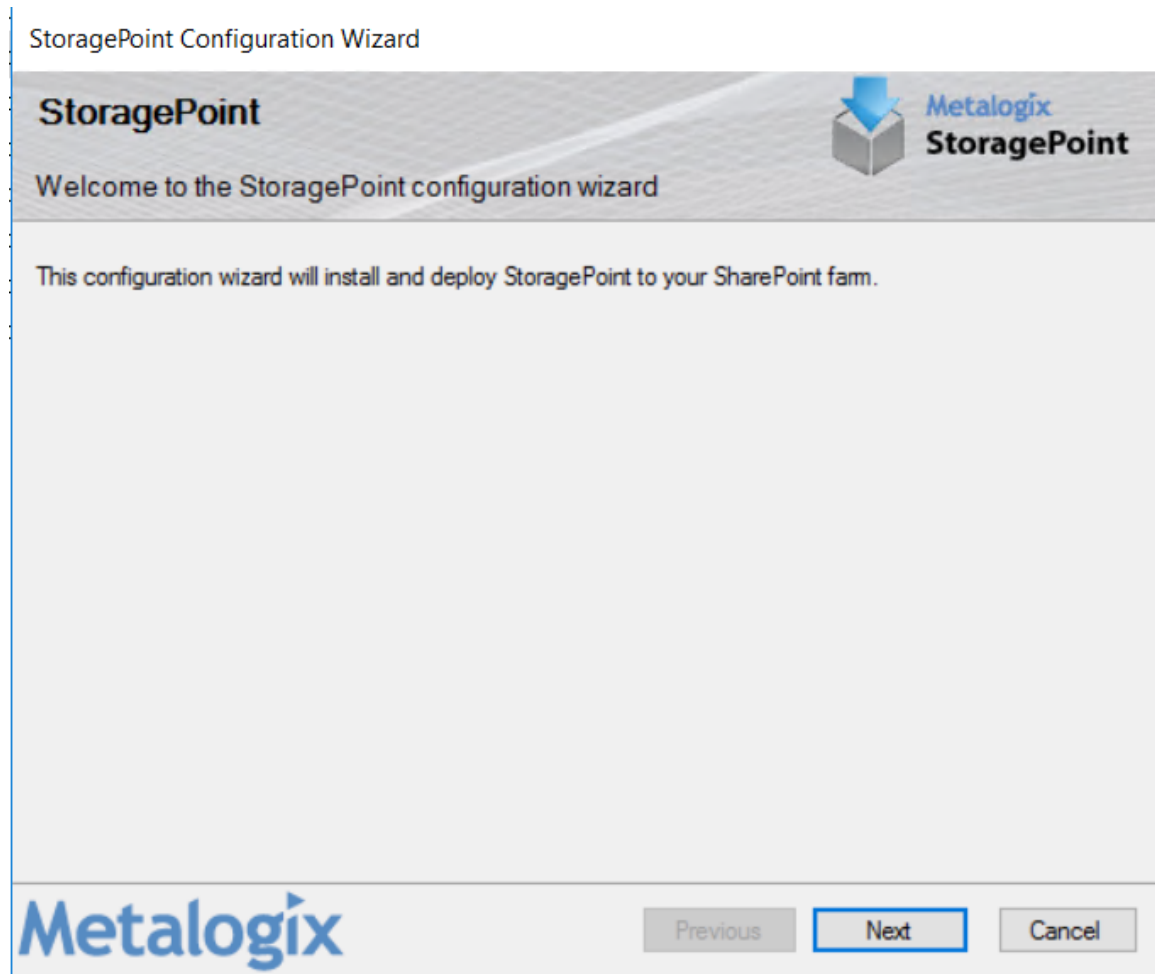
2. Click Remove.



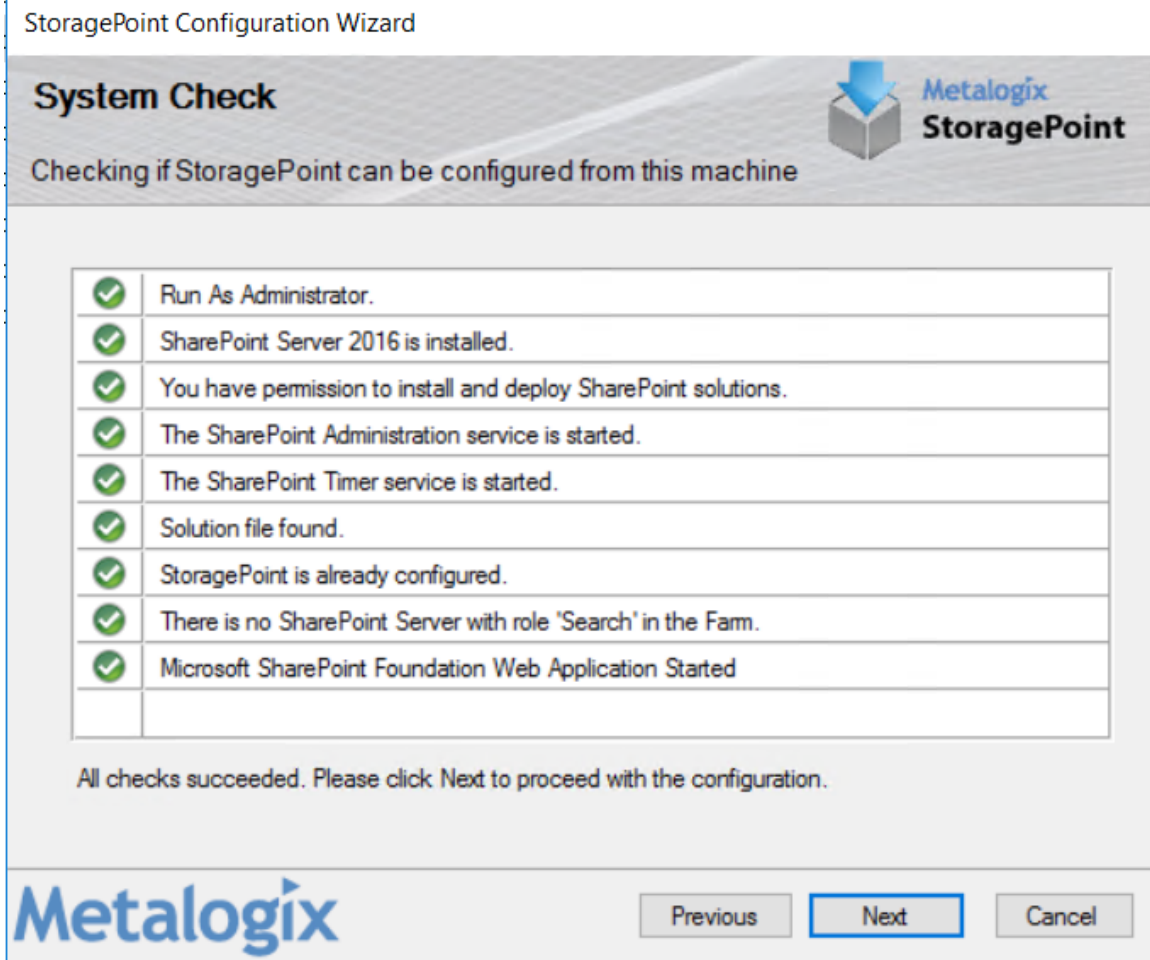
3. Click OK to begin the StoragePoint retraction.



4. The configuration wizard opens. Click Next.

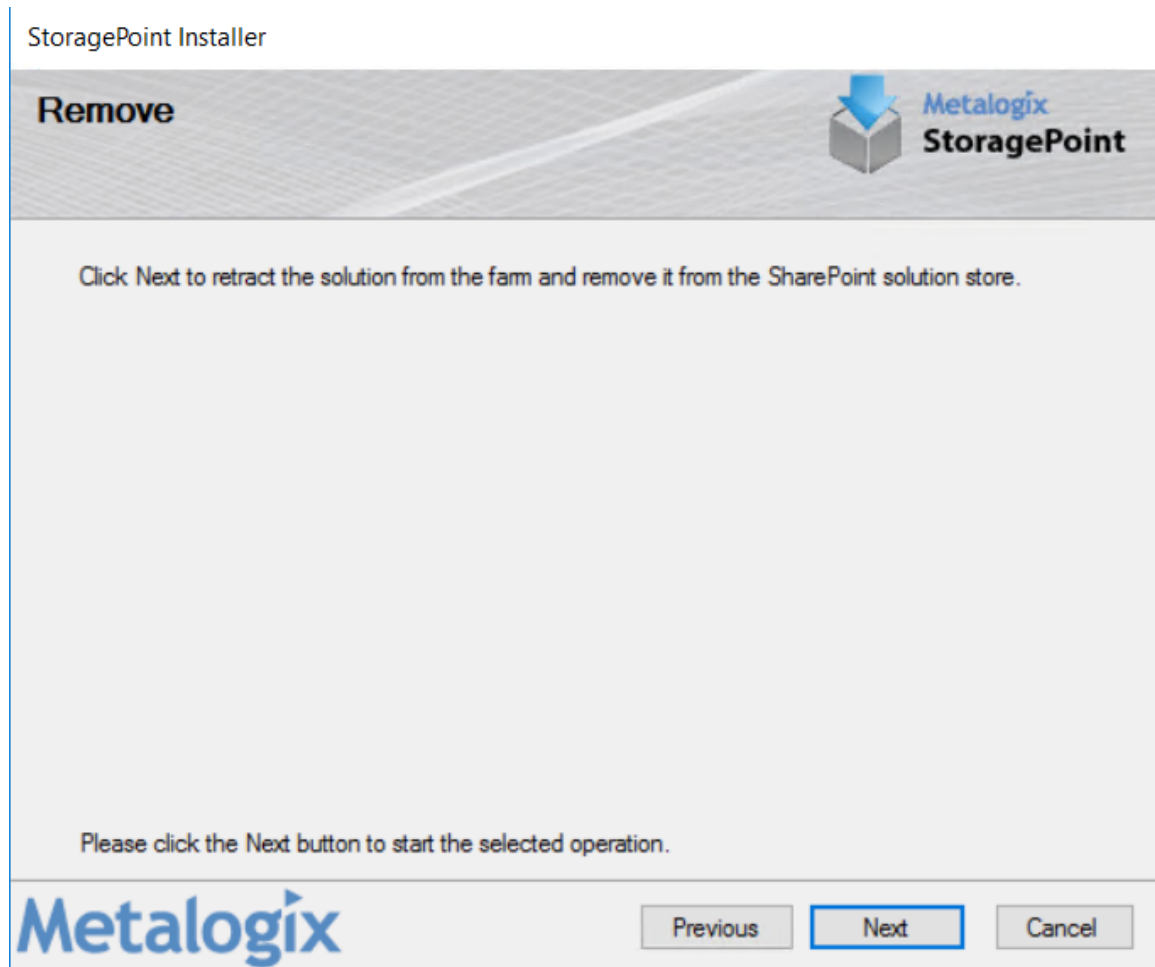


5. The installer will now perform a series of system checks to make sure the system is ready for Metalogix StoragePoint to be modified. If all system checks pass click Next.

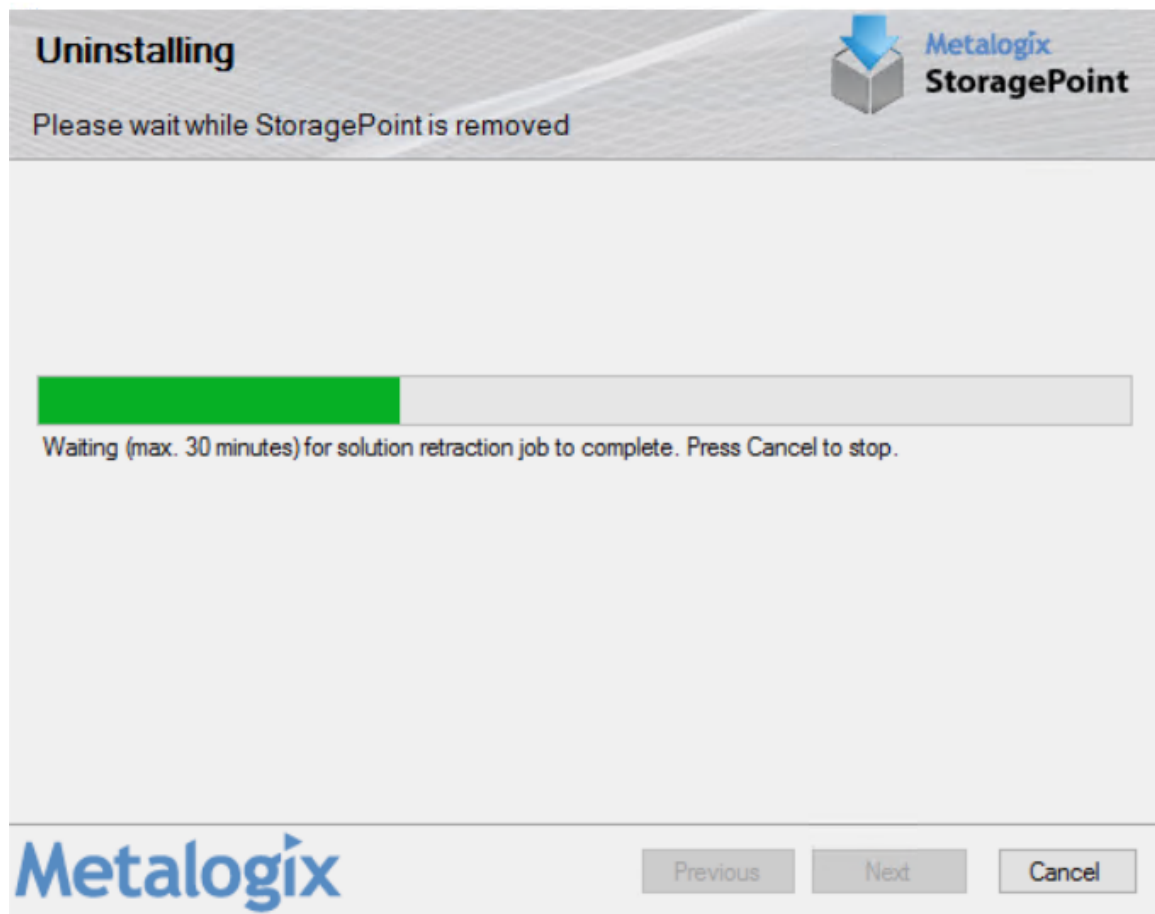


i **NOTE:** If a system check fails it will be denoted with a red X and the install will not be able to continue until the issue(s) are resolved. The installer will also check whether the most recent supported SharePoint CU is installed.

6. Click Next.

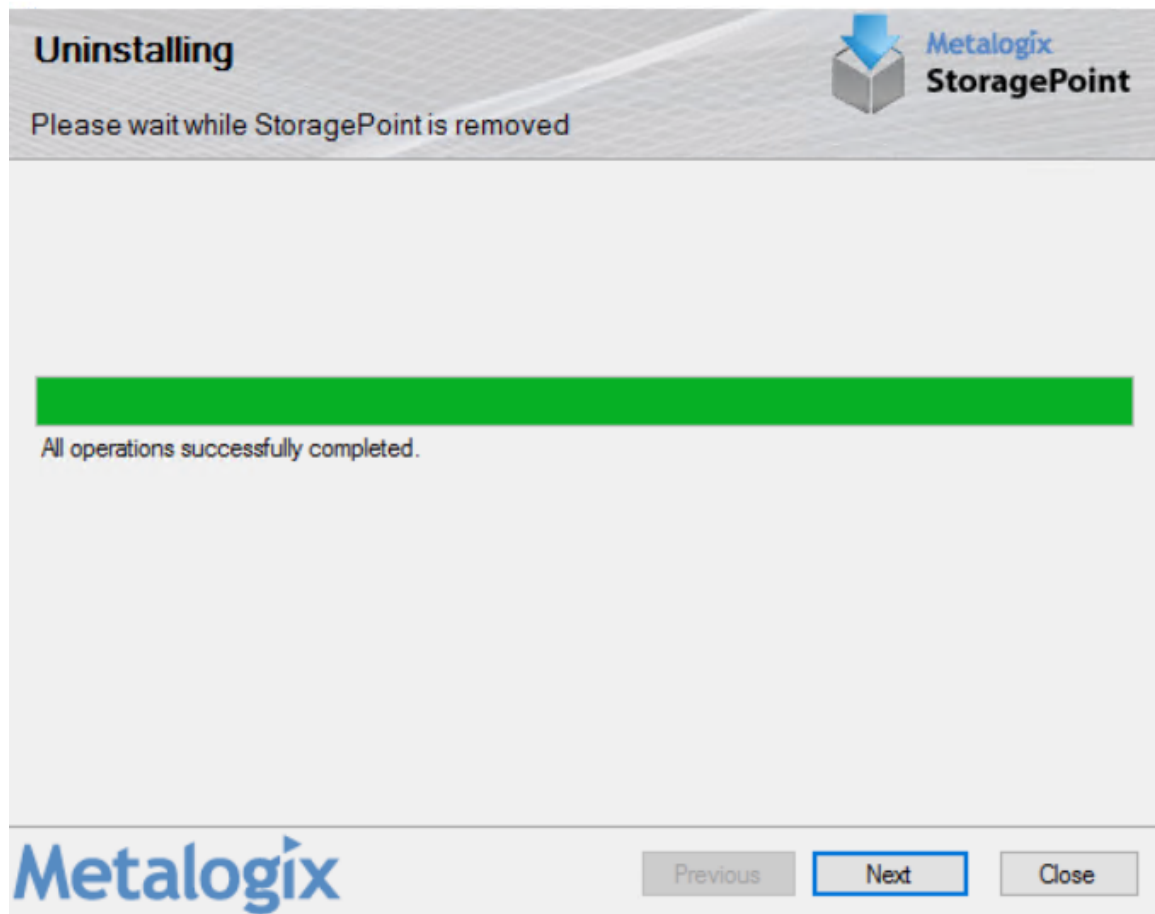


The solution file will now be removed from all servers in the farm. This process can take upwards of 5 minutes depending on the size of the farm.

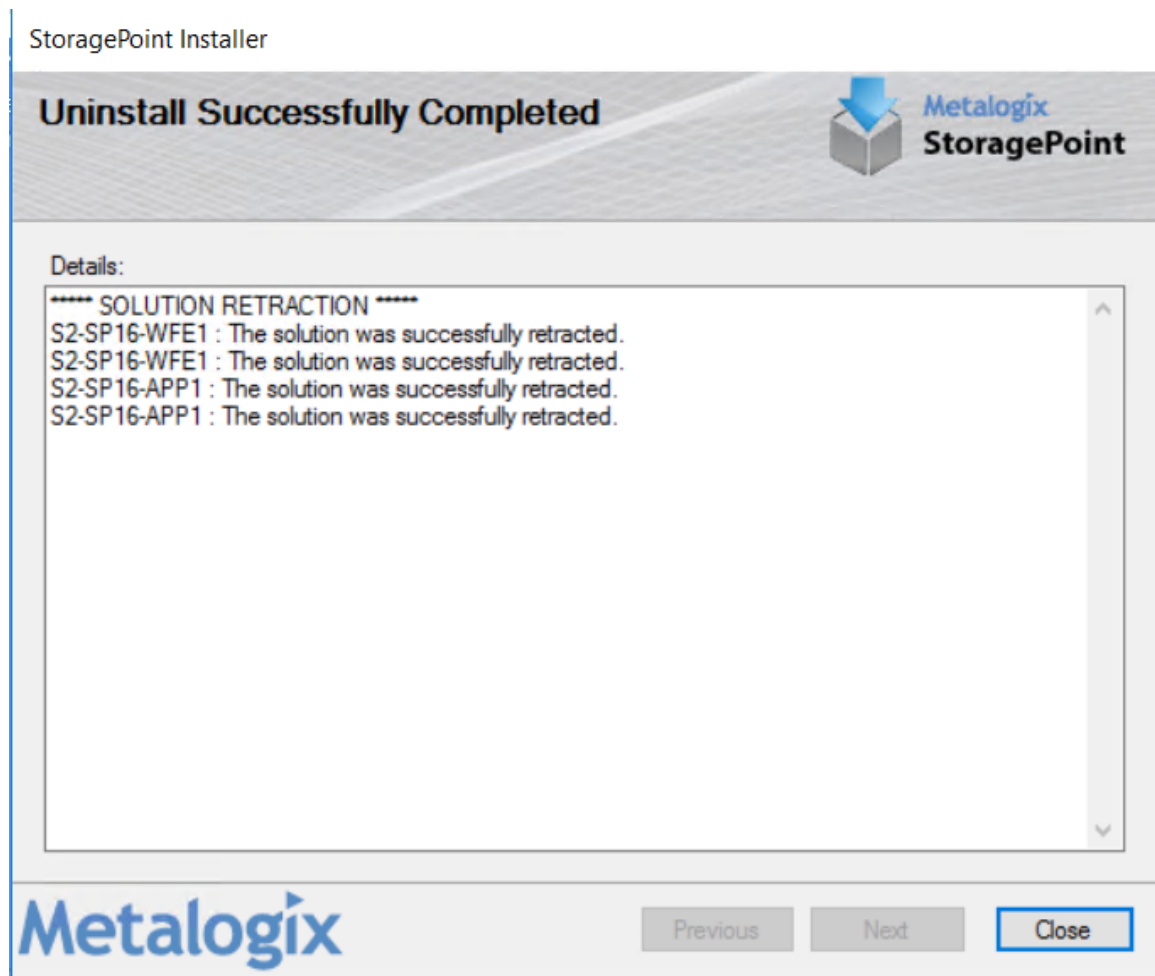


7. Upon completion of the uninstall process the progress status will change to All operations successfully completed. Click Next.

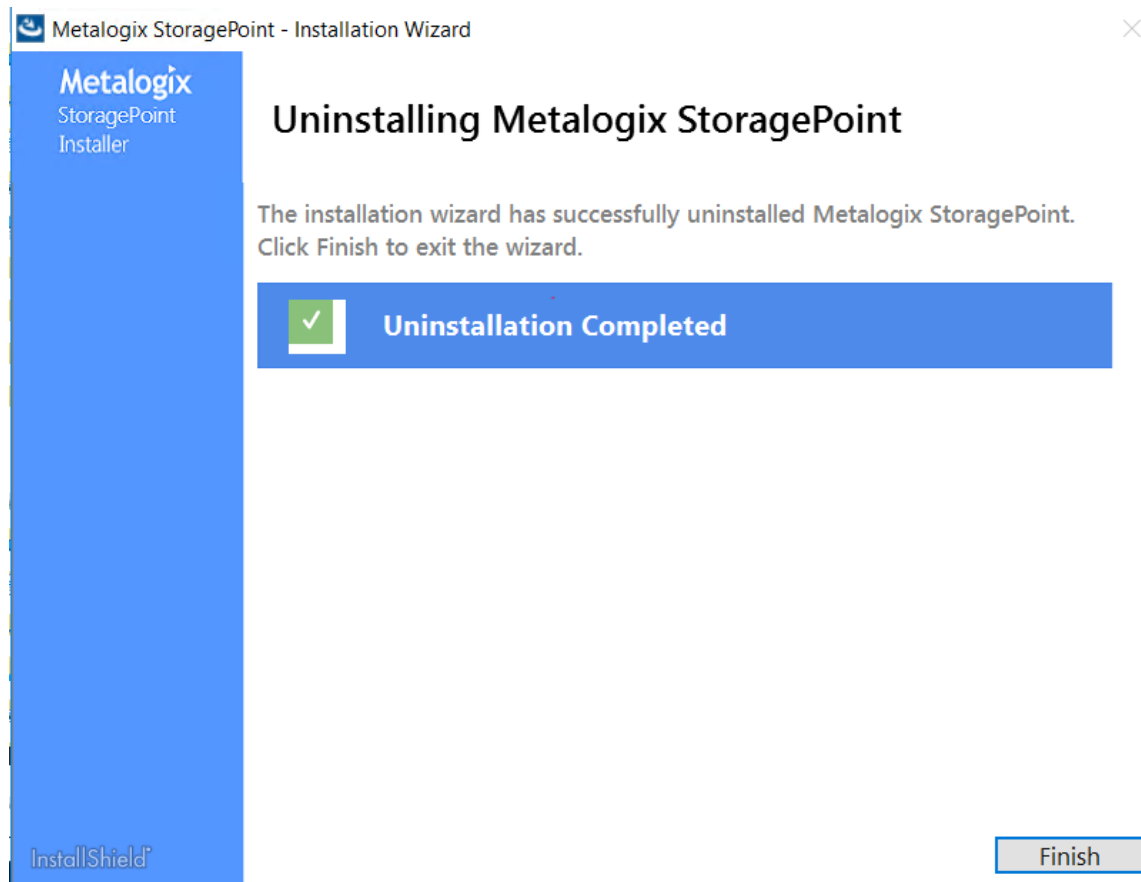
StoragePoint Installer



8. The uninstall process is complete. Click Close.



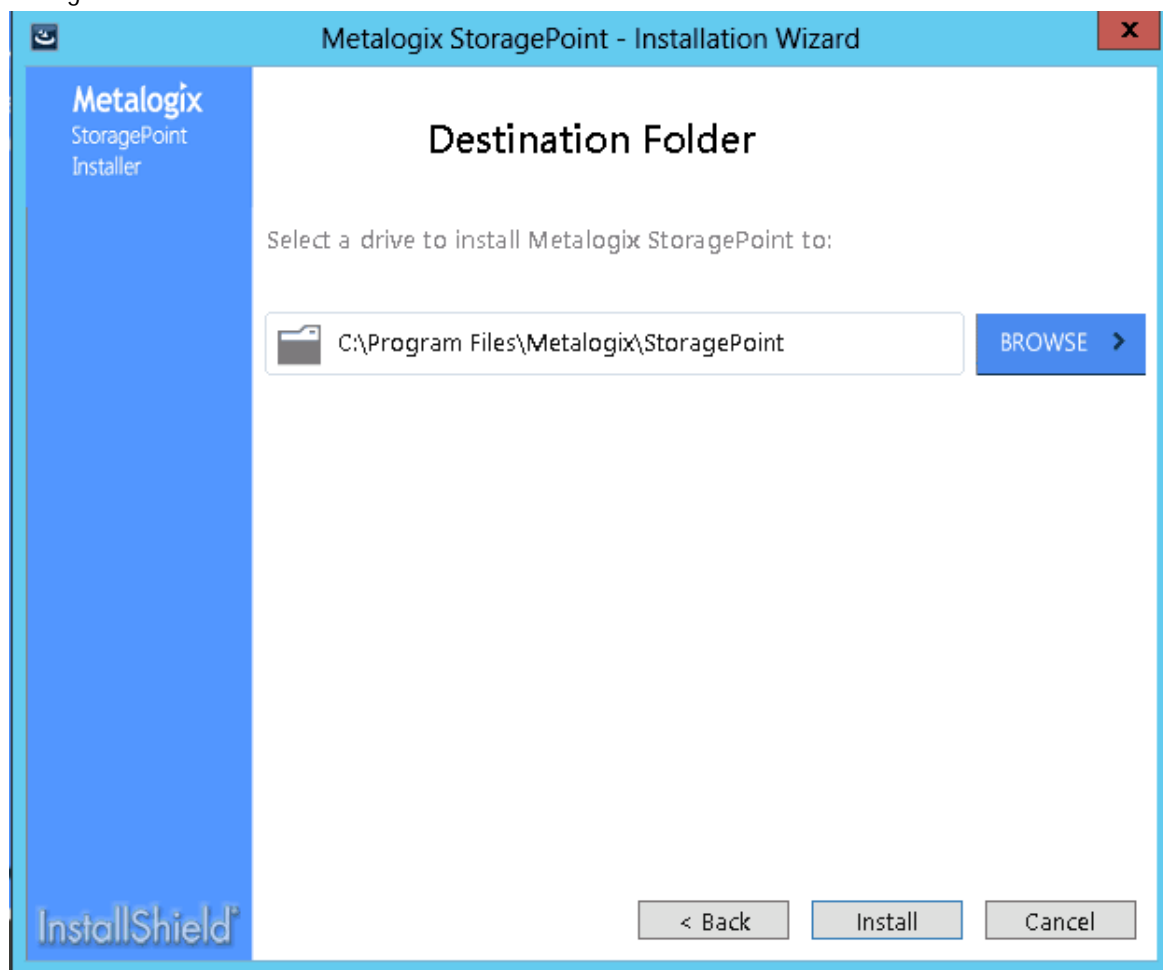
9. The Installation wizard will complete the uninstall. Click Finish.



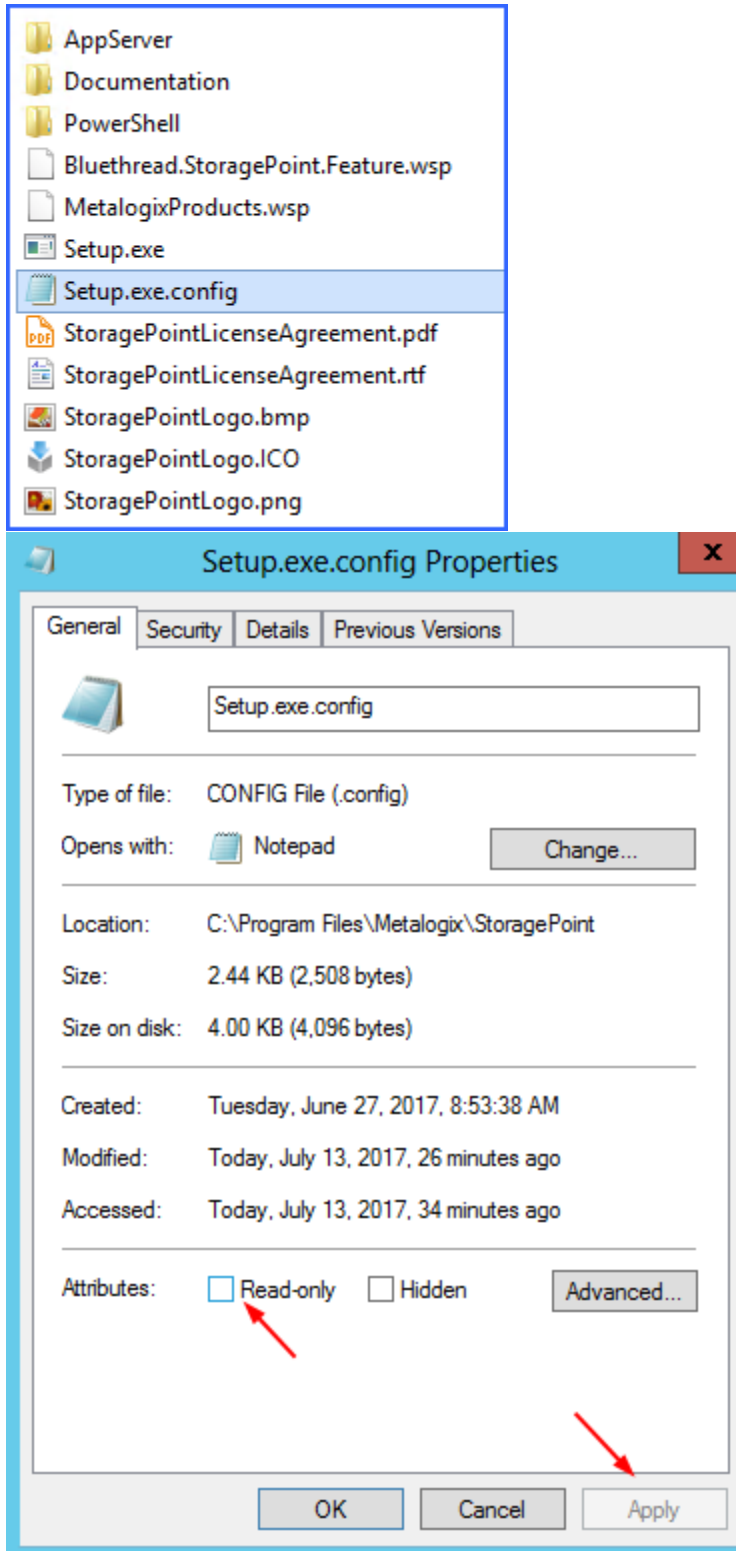
Solution Deployment Timeout Setting

If the deployment of the solution needs more time than the default 15 minutes, a setting can be added to the setup configuration file to add more time. This may be necessary for larger farms or servers with less than optimal performance, but still operational for hosting SharePoint.

1. Launch the StoragePoint Installer. This will place files in the StoragePoint installation path specified during the installer.



2. Go to the location of the files and update the properties on Setup.exe.config to enable write.

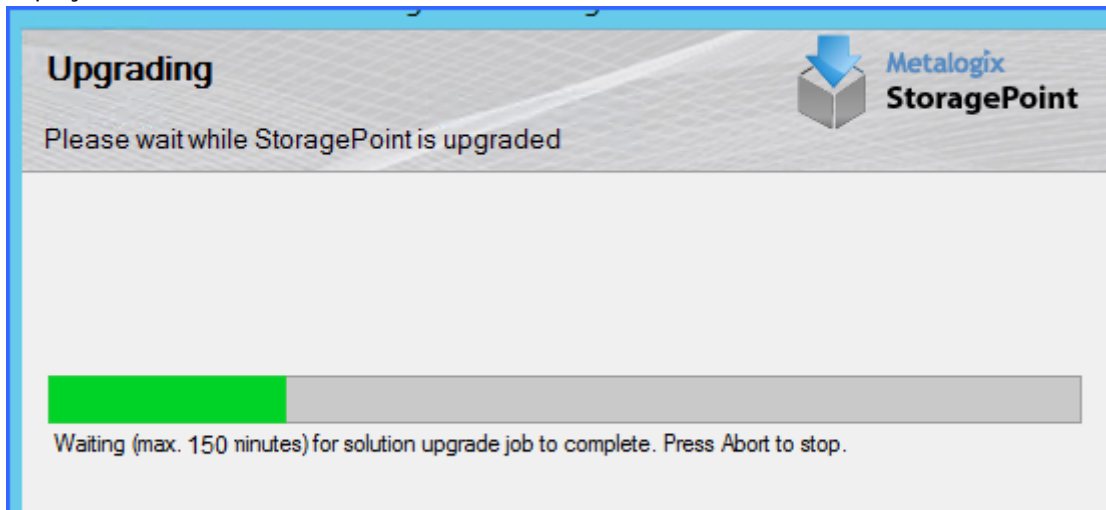


3. Open the file in Notepad and add the following: `<add key="LongOperationTimeout" value="9000000"/>`, where 9000000 is the amount of time in milliseconds to wait for solution

deployment to complete. Save the file. Mark the file as Read Only.

```
<add key="InputControlsResponseTimeout" value="3000"/>  
<add key="LicenseVerificationTimeout" value="60000"/>  
<add key="DeploymentSTPSolutionTimeout" value="600000"/>  
<add key="LongOperationTimeout" value="9000000"/>
```

4. Continue with the StoragePoint configuration wizard. The new timeout setting will be visible during deployment.



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- Chat with support engineers online
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