

Migrating from SharePoint Backup Version 5.1 or older to 6.0 or higher

Contents

Migrating from SharePoint Backup Version 5.1 or older to 6.0 or higher	1
Summary	1
Background of Version 5.1 or Older	1
Understanding the Core Changes Available in 6.0.....	3
SharePoint Backup Upgrading Process Details	5
Upgrading the Primary Farm.....	5
Adding Other Farms	6
Migrating the History for Other Farms	8
Technical Consideration for the Migration of Farm History	9

Summary

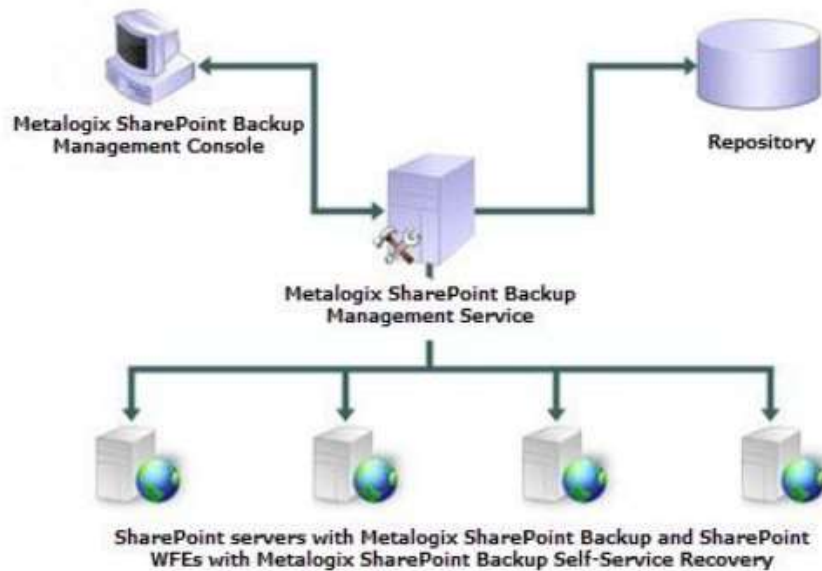
This document is intended for end users who are planning to upgrade farms from SharePoint Backup version 5.1 or older to version 6.0 or higher, while using a single Management service for all the SharePoint farms.

This document provides an overview of core concepts that the end user must understand about the changes implemented in versions 6.0 through the latest.

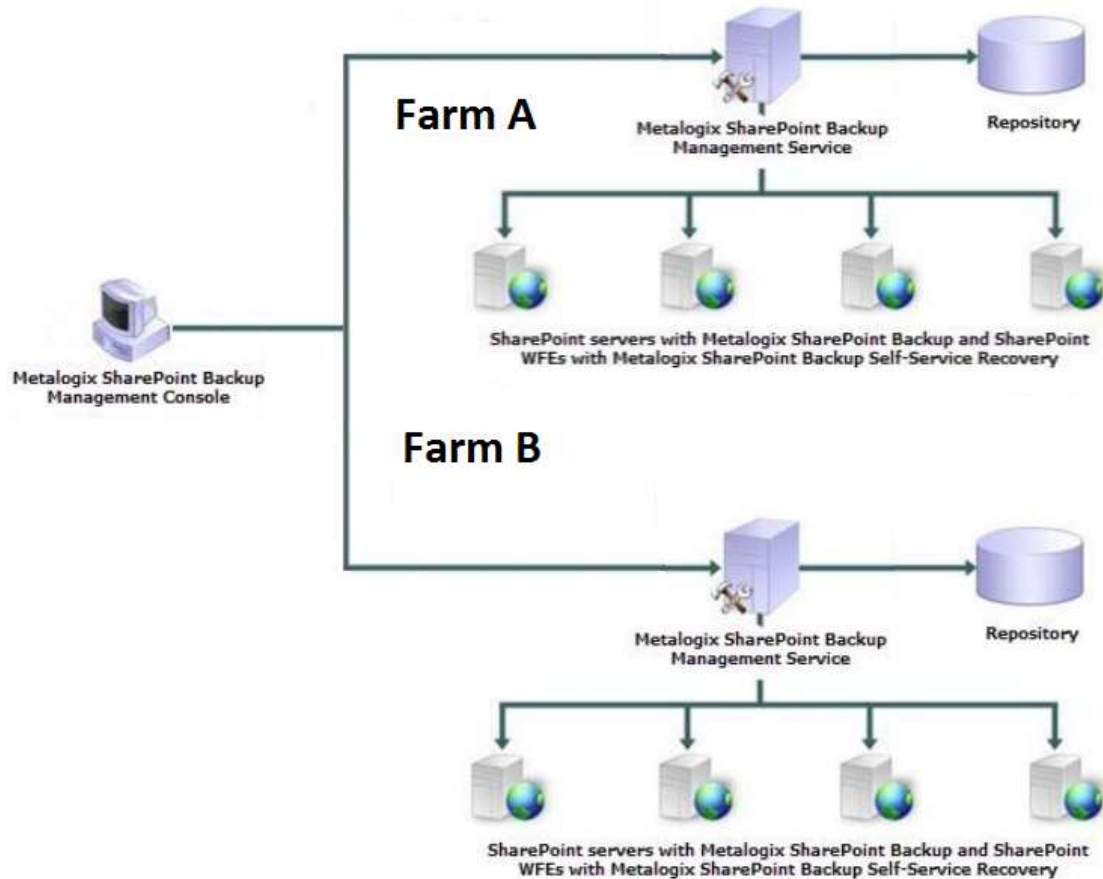
Background of Version 5.1 or Older

Until version 5.1 of Metalogix SharePoint Backup, when an end user wanted to handle more than one farm on the **Management Console**, new farms to be added would have already had a **Management Service** assigned, the **Backup Services** running on all the Farm servers, and a **Metalogix SharePoint Backup Repository** storing backup and restore operation information on the farm.

This means that all versions of SharePoint Backup prior to version 6.0 required one **Management Service per farm**. For instance, you could have a Metalogix SharePoint Backup Installation for a SharePoint Farm composed of four servers (Web front ends, Application Servers, Database Servers, etc).



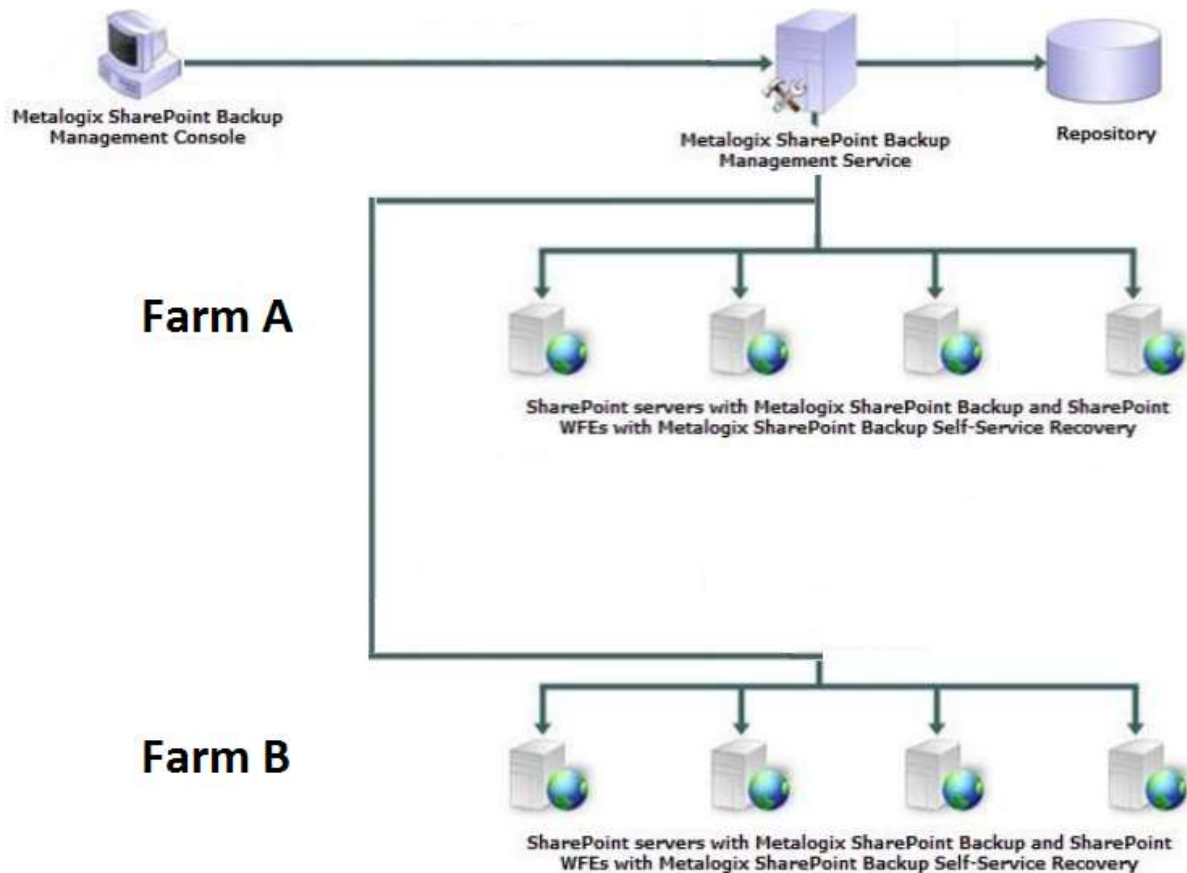
Alternatively, you could have a SharePoint Backup installation that contained two different Farms, where just one **Management Console** displayed information for both farms.



Understanding the Core Changes Available in 6.0.

Version 6.0 of Metalogix SharePoint Backup has an architectural change in the product which allows a single **Management Service** to handle and control more than one SharePoint Farm simultaneously.

As part of this change to the product, information for all the farms that is collected by the **Management Service** is now stored in the same **SharePoint Backup Repository database**. This means that after users perform an upgrade for Metalogix SharePoint Backup, the farm configuration will be ready to support multiple farm installations, as depicted below:



Based on these changes, the process of upgrading multiple farms to the new version of SharePoint Backup involves a restructuring through the following steps:

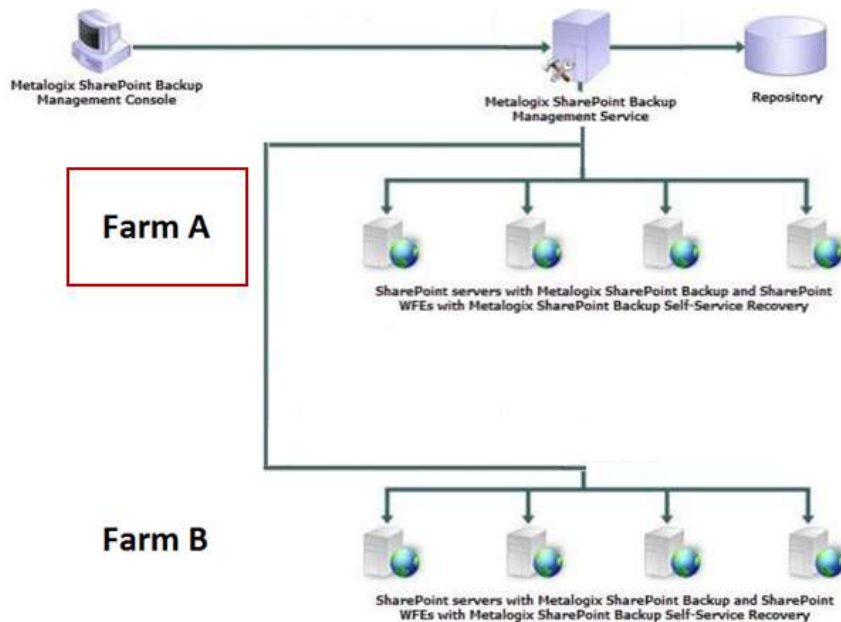
- 1) Choose the management service that will handle all SharePoint Farms and upgrade it to version 6.0 or later. This will automatically upgrade the **Management Console**, **Management Service** and **SharePoint Backup Repository** to the new version.
- 2) Upgrade the backup services using the Management Console. This procedure is similar to adding a Farm on previous versions - by running the configuration wizard..
- 3) Repeat the upgrade steps for all farms, upgrading the management service first and then upgrading the backup services.
- 4) When the upgrade operations are complete, add the additional farms via the configuration wizard on the Management Console that was connected to the selected Management Service in the first step.
- 5) Migrate the Repository information for the farms that were added (history of backups, restores and schedules) using the Import Repository option.

These steps are further outlined below in their respective sections.

SharePoint Backup Upgrading Process Details

Upgrading the Primary Farm

The primary farm to upgrade is the one with the Management Service that will be upgraded and will handle other farms as well. This farm is referred to as **Farm A** in the steps below.



The procedure for upgrading a primary farm is as follows:

- 1) Run the installer for Metalogix SharePoint Backup 6.0 or higher on the machine where the **Management Service** for **Farm A** is located. This step will upgrade the **Management Console, Management Service, SharePoint Backup repository**, and all the **History** originally associated with **Farm A** to that version.
- 2) When the Management Console is opened for the first time, a Configuration Wizard will be displayed. Enter the information for the Farm Name, Central Administration URL, and SharePoint Administrator credentials.

- 3) Continue through the rest of the wizard. The **Backup Services** associated with **Farm A** will be upgraded to the new version.

Configuration Wizard

Central Administration

Specify the location of the SharePoint Central Administration Web site.

Welcome

- Central Administration
- WFE Servers
- Database Servers
- SharePoint Components
- Preferences
- Alerts
- AlertNotifications
- Grooming
- Completed

Farm Name: Cluster

Central Administration URL: http://sidroccsp01:10000/default.aspx

Specify an account that has administrator privileges on the Central Administration computer.

User Name: spdom\clusteradmin

Password:

Specify the management service that is going to handle this farm.

Management Service: sidroccs01

The account must be a member of the Farm Administrators group in SharePoint. You can use SharePoint Central Administration to grant this right.

The account must have database owner (db_owner) rights to the farm configuration database and to the SharePoint Central Administration content database. You can grant these rights in the SQL Server management console. In addition, the Metalogix SharePoint Backup Service creates a SharePoint timer job that grants these rights to every SharePoint database in the farm.

The account must be a member of the Local Administrators group on every server that is part of the SharePoint 2010 or SharePoint 2013 farm.

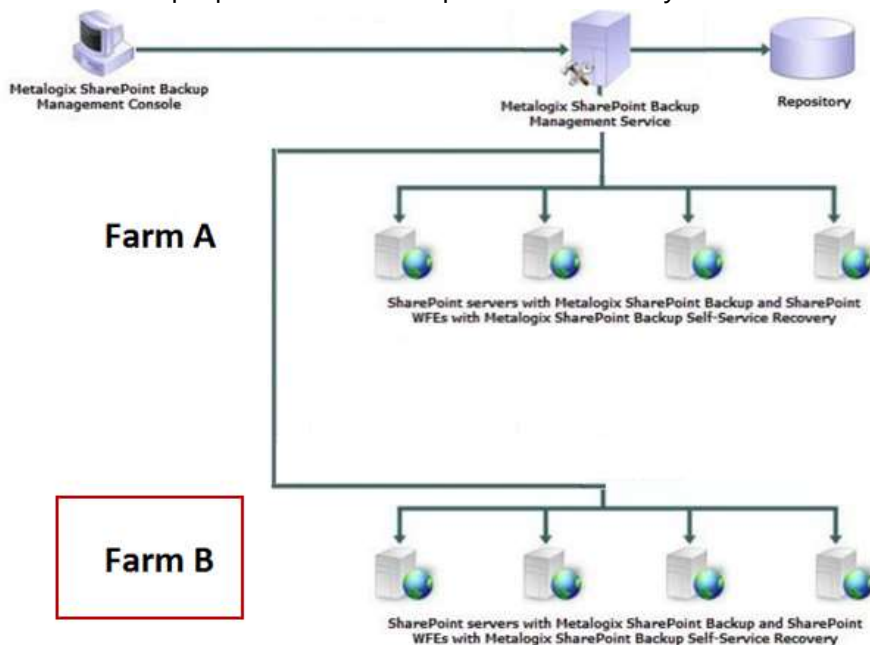
Help < Back Next > Finish Cancel

Backup and restore operations to **Farm A** will be possible at this point.

Adding Other Farms

In order to add other farms, the end user must first upgrade the primary farm to version 6.0 or later. When the primary farm has been upgraded, you can follow these steps to add the other

farms. For the purpose of this example, the secondary farm will be called **Farm B**.



The steps to add a Secondary Farm follow:

- 1) Upgrade all farms in the same way as was done for the primary farm.
- 2) Open the **Management Console** and click the **Add Farm** button.



- 3) The configuration wizard will appear. Enter the requested farm information (Farm Name, Central Administration, SharePoint Administrator credentials, and Management Service), and proceed through the wizard.

Configuration Wizard

Central Administration

Specify the location of the SharePoint Central Administration Web site.

Farm Name:
Central Administration URL:
 Specify an account that has administrator privileges on the Central Administration computer.
User Name:
Password:
 Specify the management service that is going to handle this farm.
Management Service:

The account must be a member of the Farm Administrators group in SharePoint. You can use SharePoint Central Administration to grant this right.

The account must have database owner (db_owner) rights to the farm configuration database and to the SharePoint Central Administration content database. You can grant these rights in the SQL Server management console. In addition, the Metalogix SharePoint Backup Service creates a SharePoint timer job that grants these rights to every SharePoint database in the farm.

The account must be a member of the Local Administrators group on every server that is part of the SharePoint 2010 or SharePoint 2013 farm.

This step will redirect the **Backup Services** association to the primary Management Service.

At this point, you will be able to perform backup and restore operations for **Farm B**.

NOTE: History for **Farm B** (history of backups, restores, and schedules) will not be upgraded at any point using the steps outlined above. To migrate history for Farm B, follow the steps below.

Migrating the History for Other Farms

To migrate farm history, follow the steps below. Note that in this example, we are migrating the history for **Farm B**.

- 1) In the SharePoint Backup Management Console, go to the **Tool Bar** and select **Import Repository**.



- 2) This will open a Dialog box that will ask you for the Target farm where historical information for the secondary farm will be migrated to, the Source repository name

where the original historical information is contained, the SQL Server that hosts the source repository information, and the credentials required to access the SQL Server.



- 3) Once you have filled in the information in this dialogue box, click **Import**. This step will migrate all the historical information for the target farm.

The information that will be migrated is as follows:

- Managed Locations
- Schedule Backups
- Operations

After performing these steps, the end user will be able to review the history for **Farm B** that was generated before the upgrade.

Technical Consideration for the Migration of Farm History

This section provides an overview of some of the technical considerations for the migration process.

- If the Source repository that is going to be migrated has the design of a version earlier than 6.0, it will need to be upgraded to at least version 5.1.
- The first elements to be migrated are the Managed Locations.

- The second elements to be migrated are the requests. This will migrate the information found within the request table and its child tables and other table dependences, like Schedules and Alert Configurations.
- The third element to be migrated is the Request_Executions and their child tables.
- The Fourth elements to be migrated are Operations. (These are the ones that are displayed in the SharePoint Backup Management Console).
- The last elements to be migrated are the Escalation_Maping information.
- If a Backup service reference from the source repository is not present on the target repository, the server name that hosted the backup service (based on the source repository) will be empty on the operation to be migrated, and no row will be added to the table Backup_service_operation for the operation. This means that the operation will be migrated to the operations table and will be displayed on the Management Console, but its row won't be present on the table backup_service_operation.
- If a request was unable to be migrated, its request_execution won't be migrated.
- If a request_execution is not migrated, its associated operations won't be migrated.
- If an operation is not migrated, its escalation mappings won't be migrated.
- If a managed location on the source repository has the same name as another pre-existing managed location on the target repository, the source's managed location name will be renamed with a numerical suffix. For example, if on both repositories there exists a Managed location named "Shared", the migrated managed location name will be "Shared1".
- If the ID of any element is the same on the target location as it is on the source location, then a new ID will be assigned, just in case the source element was not already migrated.