

SharePoint 2010 Farm Restore

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There are 2 types of Farm Level restores available in the Central Administration GUI. This section explains why each would be used.

- **Same Configuration**
 - Used to restore all configuration and content onto the same servers with the same names
- **New Configuration**
 - Used to restore all configuration and content onto different servers such as a different SQL server

Same Configuration

1. Go to Central Administration > **Backup and Restore** > **Restore from a backup**
2. Verify the **Backup Directory Location** is accurate
3. Select the appropriate Backup

Verify the **Directory** and **Backup ID** match the backup you created previously

4. Click **Next**

Central Administration > Restore from Backup - Step 1 of 3: Select Backup to Restore
Use this page to review backup and restore history.

Readiness

- ✓ No backup or restore in progress. [Backup and Restore Job Status](#)
- ✓ Timer service is running.
- ✓ Administration service is running.

Backup Directory Location:

Results 1-1 of 1 jobs.

Select	Top Component	Type	Method	Finish Time	Failure Message
<input checked="" type="radio"/>	Farm Requested By TEST\Administrator Start Time 6/21/2011 8:00 AM Finish Time 6/21/2011 8:15 AM Directory \\test-sharepoint\backup\spbr0000\ Backup ID 70342ade-2bec-4786-9679-34f4921108d9 Warning Count 0 Error Count 0	Backup	Full	6/21/2011 8:15 AM	

5. Select the components to restore

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Readiness

- No backup or restore in progress. [Backup and Restore Job Status](#)
- Timer service is running.
- Administration service is running.

Select component to restore

Select the top-level component to restore.

Select	Component	Type	Backup Failure Message
<input type="checkbox"/>	Farm	Farm	
<input type="checkbox"/>	SharePoint_Config	Configuration Database	
<input type="checkbox"/>	Solutions	Solutions	
<input type="checkbox"/>	rswebparts.cab	Solution	
<input type="checkbox"/>	InfoPath Forms Services	Server Settings and Content	
<input type="checkbox"/>	Settings	Settings	
<input type="checkbox"/>	Data Connections	Data Connections	
<input type="checkbox"/>	Form Templates	Form Templates	
<input type="checkbox"/>	Exempt User Agents	Exempt User Agents	
<input type="checkbox"/>	SharePoint Server State Service	State Service	
<input type="checkbox"/>	State Service	State Service Application	
<input type="checkbox"/>	Microsoft SharePoint Foundation Web Application	Microsoft SharePoint Foundation Web Application	
<input type="checkbox"/>	VMTTest - 80	Web Application	
<input type="checkbox"/>	WSS_Administration	Central Administration	
<input type="checkbox"/>	SharePoint Central Administration v4	Web Application	
<input type="checkbox"/>	SharePoint Server State Service Proxy	State Service Proxy	
<input type="checkbox"/>	State Service	State Service Application Proxy	
<input type="checkbox"/>	SPUserCodeV4	Microsoft SharePoint Foundation Sandboxed Code Service	
<input type="checkbox"/>	[Solution Validators Group.]	Backup Group	
<input type="checkbox"/>	Sandboxed Code Load Balancer Provider using Popularity	Sandboxed Code Load Balancer Provider using Popularity	
<input type="checkbox"/>	[Resource Measures Group.]	Backup Group	
<input type="checkbox"/>	[Execution Tiers Group.]	Backup Group	
<input type="checkbox"/>	Microsoft SharePoint Server Diagnostics Service	Microsoft SharePoint Server Diagnostics Service	
<input type="checkbox"/>	Global Search Settings	Search object in configuration database	
<input type="checkbox"/>	Microsoft Project Server Diagnostics Service	Microsoft Project Server Diagnostics Service	
<input type="checkbox"/>	Application Registry Service	Application Registry Service	
<input type="checkbox"/>	Application Registry Service	Application Registry Service	
<input type="checkbox"/>	Microsoft SQL Server Reporting Services Diagnostics Service	Microsoft SQL Server Reporting Services Diagnostics Service	
<input type="checkbox"/>	Microsoft SharePoint Foundation Diagnostics Service	Microsoft SharePoint Foundation Diagnostics Service	
<input type="checkbox"/>	Shared Services	Shared Services	
<input type="checkbox"/>	Shared Services Applications	Shared Services Applications	
<input type="checkbox"/>	Shared Services Proxies	Shared Services Proxies	

- Click **Next**
- Select **Same Configuration** for Type of Restore
- Enter the App Pool Username and Password (Username will often auto populate)
- Click **Start Restore**

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Even after a restore completes more steps may be required to bring the farm into a ready state.

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Readiness

- No backup or restore in progress. [Backup and Restore Job Status](#)
- Timer service is running.
- Administration service is running.

Restore Component

This is the top level item you have chosen to restore.

Restore the following component:

Farm\Microsoft SharePoint Foundation Web Application\VMTest - 80 ▾

Restore Options

To restore to a farm with the same computer names, web application names and database servers as those in the backup farm, select 'Same configuration'. To restore to a farm with different computer names, web application names or database servers, select 'New configuration'.

Type of restore:

- New configuration
- Same configuration

Login Names and Passwords

For each object or group of objects, specify the login name and password that the objects will use. For Web Applications and Service Applications, provide the login name and password to be used by the associated application pool. If using SQL Server authentication, provide a SQL Server login name and password for each database listed.

VMTest - 80

Login name:

Password:

New Names

If you choose to restore with a 'New configuration', you must specify new web application URLs and names, new database and database server names, and the new directory names where database files are located.

VMTest - 80

New web application name:

New web application URL:

New host header:

New host header port:

WSS_Content

New directory name:

New database name:

New database server name:

Previous

Start Restore




Cancel

10. Monitor the progress at Central Administration > Backup and Restore > **Backup and Restore Job Status**

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Readiness

-  A backup or restore is currently in progress.
-  Timer service is running.
-  Administration service is running.




 Refresh  View History

Restore

Requested By TEST\Administrator
 Phase In process
 Item (Current/Total) 22/34 (Farm\Microsoft SharePoint Foundation Web Application\VMTest - 80\job\fragments-cleanup)
 Start Time 6/21/2011 9:10 AM
 Top Component Farm\Microsoft SharePoint Foundation Web Application\VMTest - 80
 Backup ID 70342ade-2bec-4786-9679-34f4921108d9
 Directory \\test-sharepoint\backup\spbr0000\
 Backup Method Full
 Restore Threads 3
 Warnings 0
 Errors 0

Readiness

Completed Restore Job

-  No backup or restore in progress.
-  Timer service is running.
-  Administration service is running.

 Refresh  View History

Restore

Requested By TEST\Administrator
 Phase Completed
 Start Time 6/21/2011 9:10 AM
 Finish Time 6/21/2011 9:13 AM
 Top Component Farm\Microsoft SharePoint Foundation Web Application\VMTest - 80
 Backup ID 70342ade-2bec-4786-9679-34f4921108d9
 Directory \\test-sharepoint\backup\spbr0000\
 Backup Method Full
 Restore Threads 3
 Warnings 0
 Errors 0

Name	Progress	Last Update	Failure Message
Farm		6/21/2011 9:07 AM	
SharePoint_Config		6/21/2011 9:07 AM	
Solutions		6/21/2011 9:07 AM	
rswebparts.cab		6/21/2011 9:07 AM	
Microsoft.SharePoint.Administration.SPSolutionLanguagePack		6/21/2011 9:07 AM	
InfoPath Forms Services		6/21/2011 9:07 AM	
Settings		6/21/2011 9:07 AM	
Data Connections		6/21/2011 9:07 AM	
Form Templates		6/21/2011 9:07 AM	
Exempt User Agents		6/21/2011 9:07 AM	
crawler		6/21/2011 9:07 AM	
msdshost		6/21/2011 9:07 AM	

11. Verify the items restored are functioning properly
12. Document the restoration

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New Configuration

The New Configuration restore method creates the opportunity for more mistakes and errors. It is critical that care is taken in the configuration of a New Configuration restore.

NOTE: Testing has shown the best results are obtained when all Databases, services, service applications, etc are renamed.

1. Go to Central Administration on the server
2. Click **Backup and Restore**
3. Click **Configure backup settings** in the Farm Backup and Restore section
4. Ensure the Backup location is correct and the **Number of restore threads** is correct

NOTE: The higher the threads the faster the restore but more resources required

Number of Threads Specify the number of threads to use for backup and restore. More threads may lead to improved performance, however, information in the log files for backup and restore may become more difficult to read.	Number of backup threads: <input type="text" value="7"/> Possible Values: 1-10 Number of restore threads: <input type="text" value="7"/> Possible Values: 1-10
Backup File Location Each backup job is stored in a separate folder in the location you specify, and each object is backed up to an individual file in that folder. Learn about backup locations.	Backup location: <input type="text"/> Example: \\backup\SharePoint

5. Click **Ok**
6. Click **Restore from a backup** in the Farm Backup and Restore section
7. Again verify the **Backup Directory Location** is accurate
8. Select the appropriate backup

Readiness

- No backup or restore in progress. [Backup and Restore Job Status](#)
- Timer service is running.
- Administration service is running.

Backup Directory Location:

Results 1-2 of 2 jobs.

Select	Top Component	Type	Method	Finish Time	Failure Message
<input type="radio"/>	Farm	Backup	Differential	7/22/2011 2:25 AM	
<input checked="" type="radio"/>	Farm	Backup	Full	7/21/2011 12:08 PM	

****Ensure the backup does not contain errors or those errors have been addressed**

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9. Click **Next**

10. Select all components to restore



11. Click **Next**

12. The next several screenshots are a guide through the configuration process. A New Configuration Restore will have many factors that could affect the settings chosen.

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The screenshot shows the 'Restore the following component:' section with a dropdown menu set to 'Farm'. Below this, the 'Data to restore:' section has two radio buttons: 'Restore content and configuration settings' (selected) and 'Restore only configuration settings'. The 'Type of restore:' section has two radio buttons: 'New configuration' (selected) and 'Same configuration'. There are two server configuration sections: 'Dev ProjectServer' and 'tfsserver'. Each section has a 'Login name:' text box and a 'Password:' text box with masked characters (dots).

13. Select **Restore content and configuration settings**
14. Select **New configuration**
15. Ensure you enter the correct passwords for the accounts presented

**** Ensure new accounts are given the recommended permissions prior to restoration [Click Here](#) for Microsoft Permissions Recommendations. ****

16. This is the opportunity to change the Web Application name and directory (circled in blue below)
17. Changing the names of the Databases and services can ensure there are no naming conflicts
 - a. Ensure the New Directory name is changed to a directory that exists on the new SQL server
 - b. Use a New database name that is slightly different than the original by adding a prefix or suffix
 - c. Ensure the New database server field is accurate if a new SQL server is being employed

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StateService_7ef1db009d7e4b93b4b707d43b47a886	New directory name:	D:\DEV01\MSSQL10.DEV01\MSSQL
	New database name:	New_StateService_7ef1db009d7e4b93b4b707d43b47a886
	New database server name:	New_SQL_Server_Name
Dev ProjectServer	New web application name:	Dev ProjectServer
	New web application URL:	http://dev.
	New host header:	dev.epm
	New host header port:	80
dev_WSS_Content_EPM	New directory name:	C:\Path\on\New\SQL\Server
	New database name:	New_dev_WSS_Content_EPM
	New database server name:	New_SQL_Server_Name
WSS_CONTENT_GPS	New directory name:	C:\Path\on\New\SQL\Server
	New database name:	New_WSS_CONTENT_GPS
	New database server name:	New_SQL_Server_Name
tfserver	New web application name:	tfserver
	New web application URL:	http://dev
	New host header:	dev.
	New host header port:	80
WSS_Content_TFSServer	New directory name:	C:\Path\on\New\SQL\Server
	New database name:	New_WSS_Content_TFSServer
	New database server name:	New_SQL_Server_Name

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18. Services can also be given a new name. Appending a prefix or suffix can help prevent naming conflicts

The screenshot displays the configuration console for various SharePoint services, showing the 'New name', 'New directory name', 'New database name', and 'New database server name' for each. The services listed are:

- Access Services**: New name: `New_Access Services`
- Secure Store Service**: New name: `New_Secure Store Service`
- Secure_Store_Service_DB_53fdd246b80546ff867383101a88ea7b**:
 - New directory name: `C:\Path\on\New\SQL\Server`
 - New database name: `New_Secure_Store_Service_DB_53fd`
 - New database server name: `New_SQL_Server_Name`
- dev_ProjectServer_Published**:
 - New directory name: `C:\Path\on\New\SQL\Server`
 - New database name: `New_dev_ProjectServer_Published`
 - New database server name: `New_SQL_Server_Name`
- dev_ProjectServer_Draft**:
 - New directory name: `C:\Path\on\New\SQL\Server`
 - New database name: `New_dev_ProjectServer_Draft`
- dev_ProjectServer_Archive**:
 - New directory name: `C:\Path\on\New\SQL\Server`
 - New database name: `New_dev_ProjectServer_Archive`
- dev_ProjectServer_Reporting**:
 - New directory name: `C:\Path\on\New\SQL\Server`
 - New database name: `New_dev_ProjectServer_Reporting`
 - New database server name: `New_SQL_Server_Name`
- PerformancePoint Service Application**: New name: `New_PerformancePoint Service Applic`

19. After ensuring all settings have the correct names click **Start Backup**

20. Monitor the restore process

21. If there are errors document them and address individually

NOTE: In a well-planned New Configuration restore, there should be no errors or warnings