

Autodesk Vault Configuration Guide

Working with Remote File Servers

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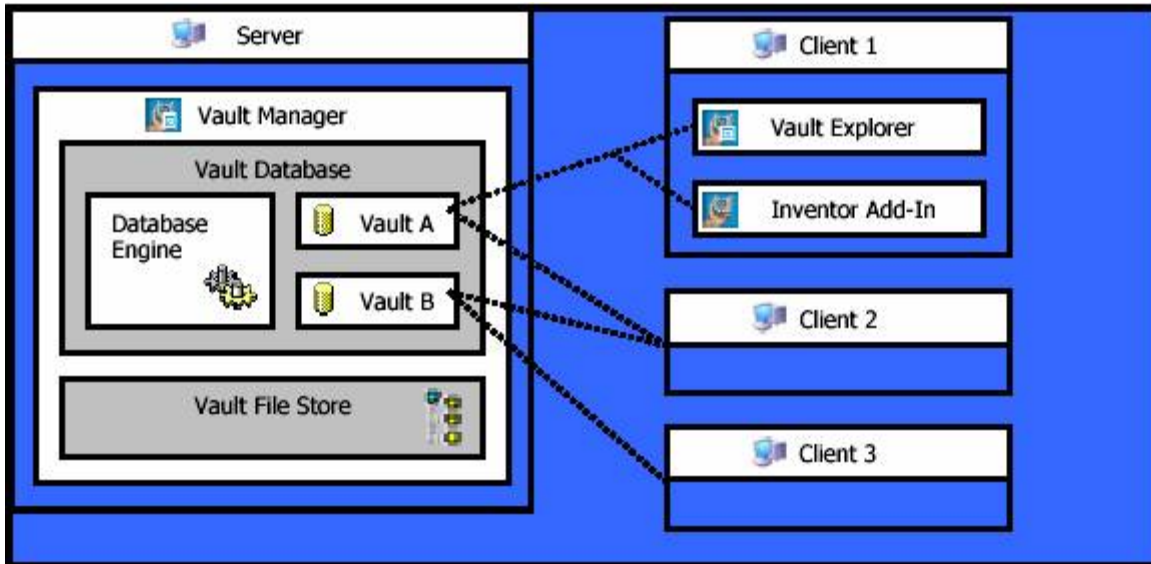
1.0 Introduction

This guide specifically addresses the configuration issues associated with using a remote file server to store vault data. The remote file server can be used for hosting the file store and/or backing up and restoring the vault data. In order for these configurations to work correctly, the settings contained within this guide are required.

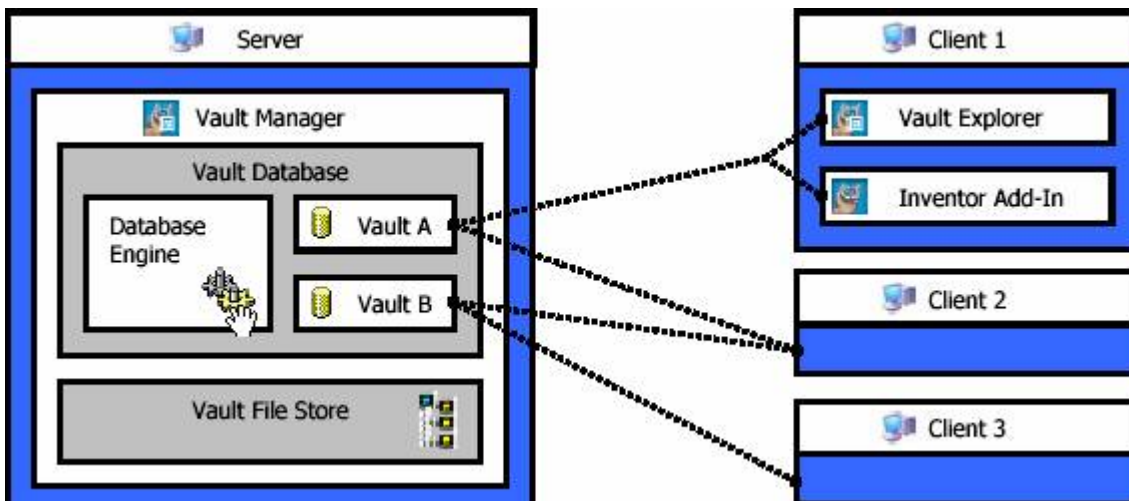
2.0 Supported Configurations

In general, the vault supports four basic configurations. The vault clients can either be local to the vault server computer or can access the server from another computer (see configurations 1 & 2). Similarly the vault file store can be located on the vault server or be on a remote file server that has a shared folder (see configurations 3 & 4). This document describes additional steps which are required to use configurations 3 & 4.

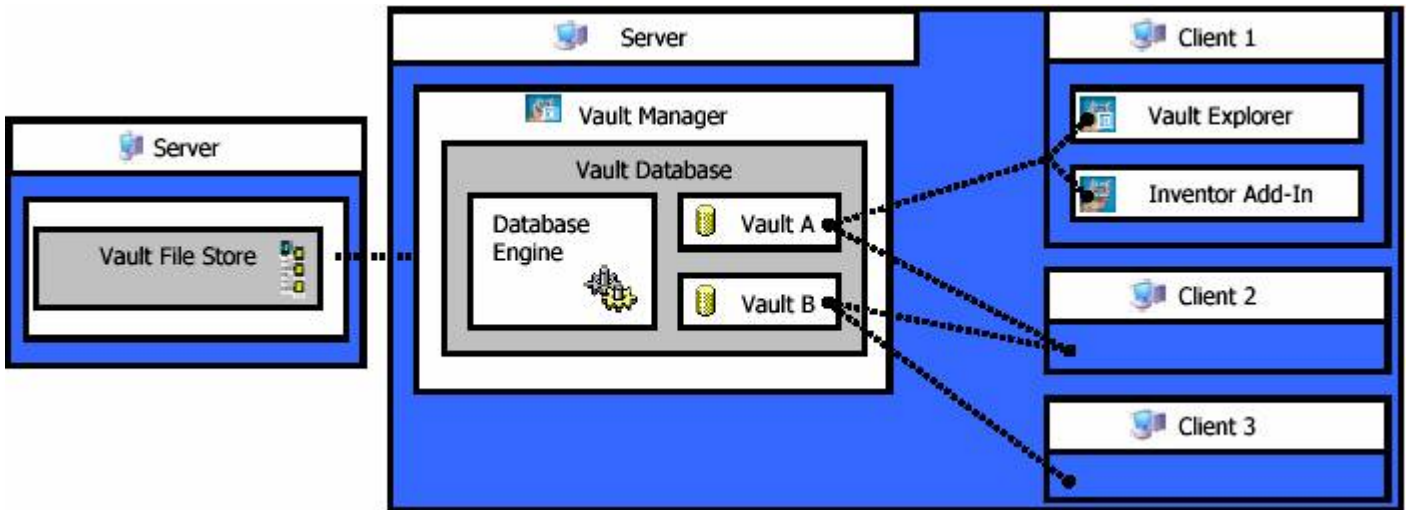
Configuration 1 (Server with local clients and local file store)



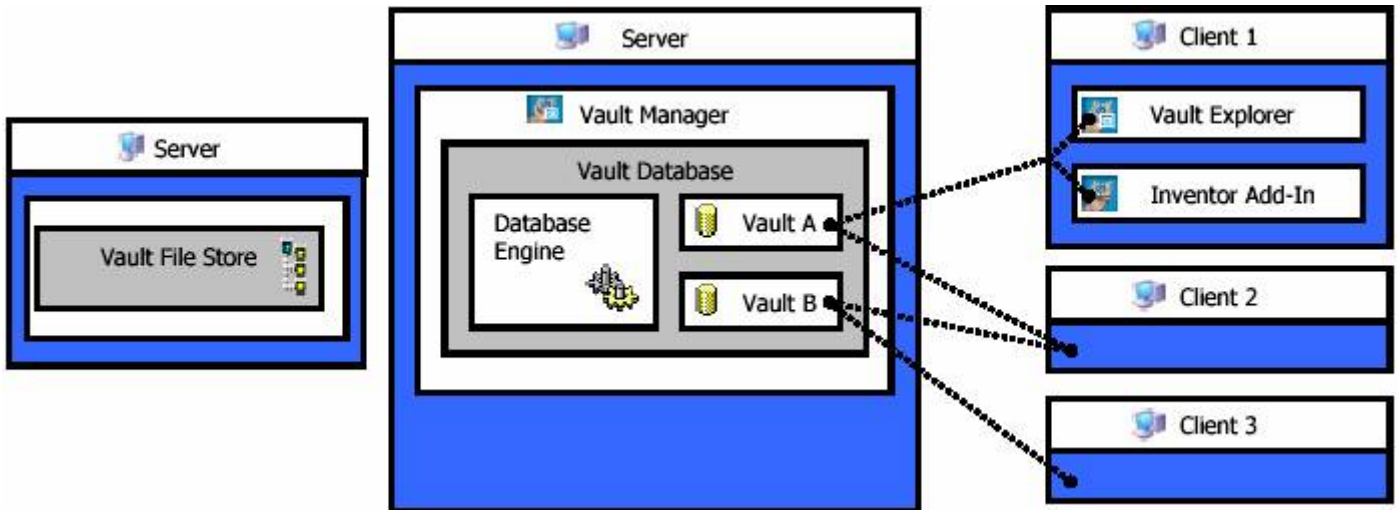
Configuration 2 (Server with remote clients and local file store)



Configuration 3 (Server with local clients and remote file store)



Configuration 4 (Server with remote clients and remote file store)



2.1 Setting up a Remote File Store for Autodesk Vault (Workgroup & Domain)

Note: These steps apply to the majority of Remote File Store configurations in domain and Workgroup environments.

It is possible to setup a vault configuration for which the vault file store is on a computer separate from the vault server. To set up a remote file store in a workgroup environment, the same user account must exist on both the computer hosting the remote file store as well as the computer hosting the vault server. You must also edit the *machine.config* file.

Note: The location and name of the remote vault file store can differ depending on your network configuration. Before proceeding, make sure Autodesk Vault has been installed.

To setup file sharing in a workgroup or domain environment

1. On the computer hosting the **remote file store**, create a user account with the user name

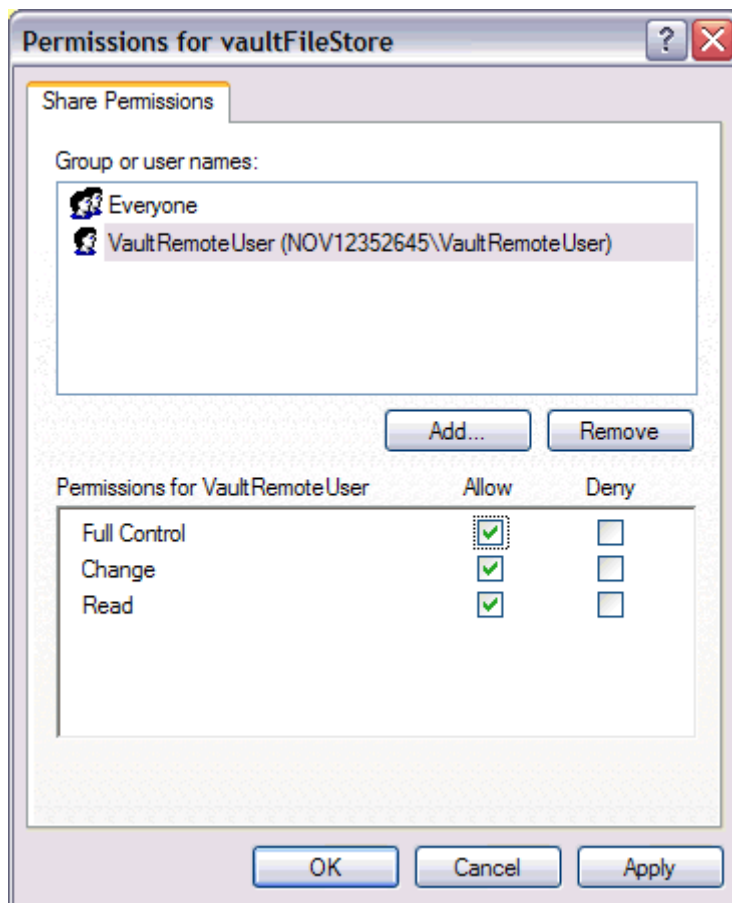
VaultRemoteUser

and a password of

VaultRTS

Note: *The user name and password above can be an existing account or a user defined account. The key is that the exact same user name and password are used on the server and remote machine.*

2. Assign the new account to the **Users** group.
3. Right-click on the remote file store folder and select Properties.
4. Click the Sharing tab and then select *Share this folder*.
5. Click Permissions and then add VaultRemoteUser to the list of user names with access to the folder.
6. Give the new user account full control of the directory.



1. Click OK.
2. Click the Security tab and then select *Add...*
3. Type VaultRemoteUser in the "Enter the object names to select" edit box and select check names.
4. Click OK.
5. On the computer hosting the **remote vault server**, create a user account with the user name

VaultRemoteUser

and a password of

VaultRTS

Note: *The user name and password above can be an existing account or a user defined account. The key is that the exact same user name and password are used on the server and remote machine.*

3. Assign the new account to the **Administrator** group.

To modify *machine.config*

1. On the computer hosting the vault server, locate the file *machine.config* located in the following folder:

<c:\Windows\Microsoft.net\Framework\v1.14322\config>

2. Open the file in a text editor such as Notepad.
3. Within the editor, search for the following string and verify that the string is located in the processModel key.

```
userName="machine"
```

4. Edit the userName value from "machine" to "VaultRemoteUser".
5. Edit the corresponding password value from "AutoGenerate" to "VaultRTS"
6. Save the file.
7. From the Windows Start menu, select Run and then enter **iisreset** to restart the Internet Information Services.
8. Reboot the Vault server.

The vault can now access the remote file store.

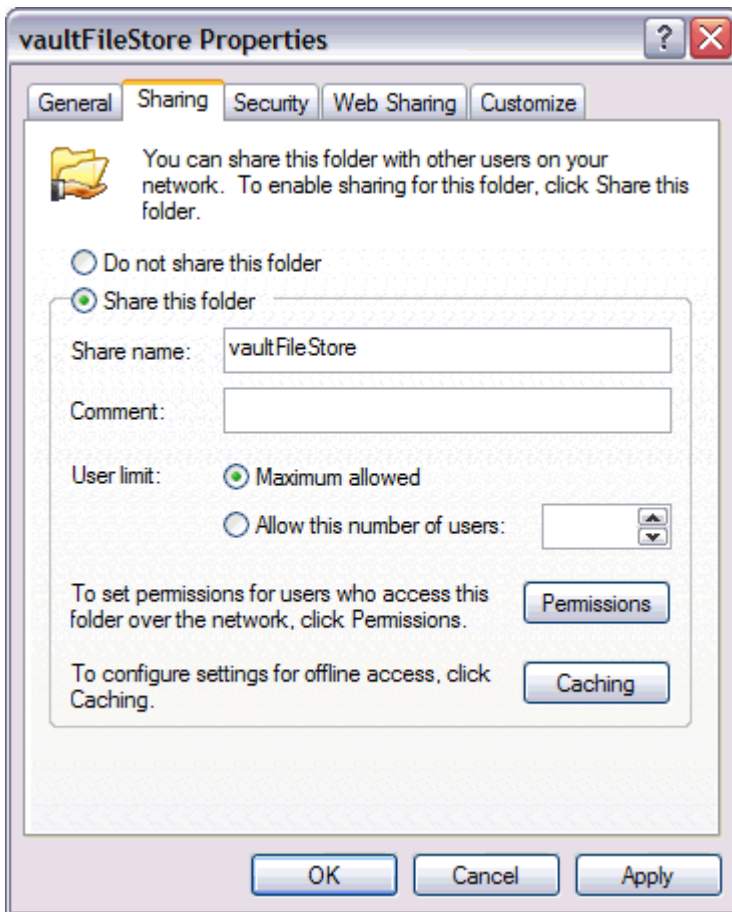
2.2 Setting up a Remote File Store for Autodesk Vault (Domain)

Note: *These steps provide an alternate method to setting up a remote file store in a domain environment.*

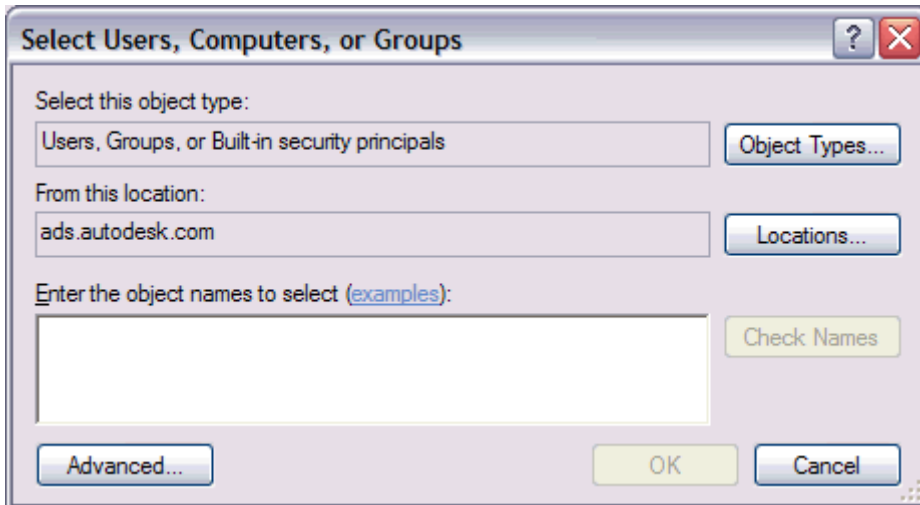
To setup file sharing in a domain environment

Using a remote file store in a domain environment requires configuring the sharing properties of the remote folder such that the vault server has full control access to the folder. Once sharing is configured, the machine.config file must be edited.

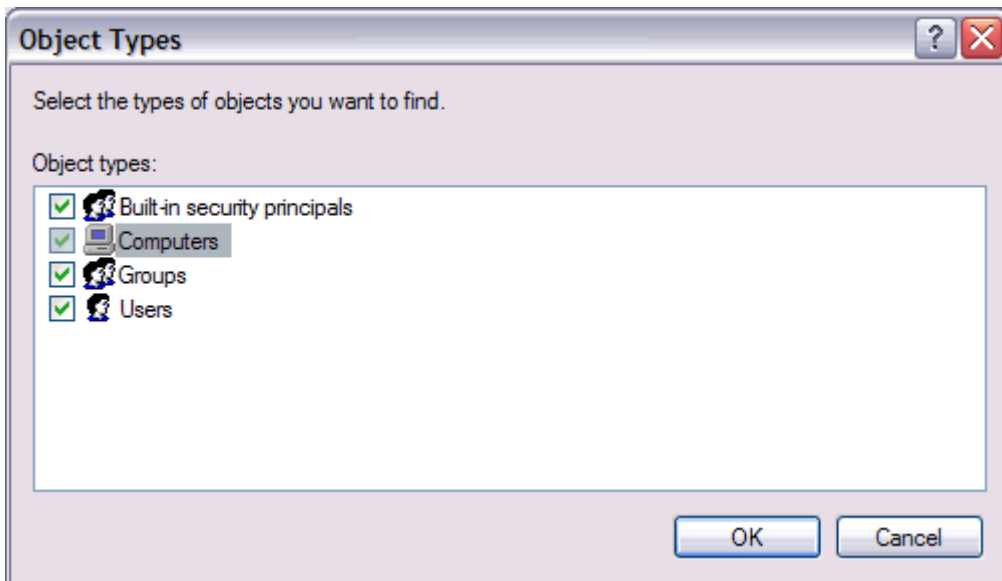
1. On the computer containing the remote file store, right-click the file store folder and then select Properties. The Properties dialog box is displayed.
2. Click the Sharing tab and then select *Share this folder*.



3. Click Permissions. The Permissions dialog box is displayed. The Permissions dialog box lists the users, groups, and computers that have access to the shared folder.
4. Click Add. The Select Users, Computers, or Groups dialog box is displayed.



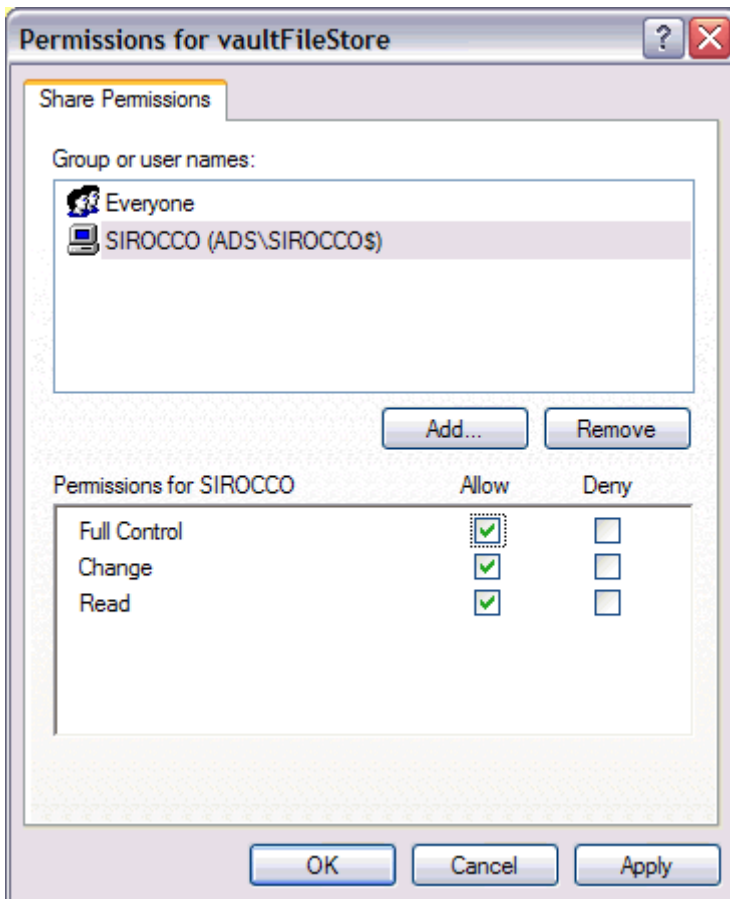
5. Click Object Types. The Object Types dialog box is displayed.



6. Select Computers from the list and then click OK.
7. In the Select Users, Computers, or Groups dialog box, enter the name of the vault server and then click Check Names to resolve the name of the computer on the network.



8. Click OK.
9. In the Permissions dialog box, highlight the vault server name in the list and then select the Full Control check box in the Allow column to give the vault server full control access to the shared remote file store.



10. Click OK.

11. Click the Security tab and then select *Add...*
12. Click Object Types. The Object Types dialog box is displayed.
13. Select Computers from the list and then click OK.
14. In the Select Users, Computers, or Groups dialog box, enter the name of the vault server and then click Check Names to resolve the name of the computer on the network.
15. Click OK.

To modify machine.config

1. On the computer hosting the vault server, locate the file *machine.config* in the following folder:
<c:\Windows\Microsoft.net\Framework\v1.14322\config>
2. Open the file in a text editor such as Notepad.
3. Within the editor, search for the following string and verify that the string is located in the processModel key.
`userName="machine"`
4. Edit the userName value from "machine" to "SYSTEM" and then save the file.
5. Reboot the vault server.

The vault can now access the remote file store.

2.3 Setting up a Remote File Store for Autodesk Vault (Workgroup with Windows 2003 Server)

Note: *These are additional steps provided to set up a remote file store on a Windows 2003 server in a workgroup environment. You must first perform the steps provided in section 2.1 Setting up a Remote File Store for Autodesk Vault (Workgroup & Domain)*

To setup file sharing in a Workgroup with Windows 2003 Server

1. Perform the steps from section 2.1 Setting up a Remote File Store for Autodesk Vault (Workgroup & Domain)
2. From the Control Panel > Administrative tools go to the computer manager
3. Navigate to Computer Management > System Tools > Local Users and Groups > Groups
4. Find the group name IIS_WPG, rt-click and select properties
5. Add the user "RemoteVaultUser" that has rights to both the server and the remote file store

Note: *The user name and password above can be an existing account or a user defined account. The key is that the exact same user name and password are used on the server and remote machine.*

6. Press OK and close the dialog

7. From the Control panel > Administrative tools go to the Internet Information Services (IIS) Manager
8. Navigate to Internet Information Services > (local computer) > Application Pools
9. Find the DefaultAppPool, right click and select properties
10. In the DefaultAppPool Properties Identity tab, select "Configurable" and type in the same user name and password for the user that has access to the server and the remote file store machine.
11. Press OK and close the dialog
12. Reboot the server machine

The vault can now access the remote file store.

3.0 Backup & Restore permissions to Remote File Store

Note: *These steps are required to backup or restore data stored in a Remote File Store.*

The Backup, Restore, and Move File Store utilities (vaultmaintenance.exe and vaultmaintenanceUI.exe, movestore.exe) use Windows permissions to access the Remote File Store data. The Windows user logged into the server machine must have write access to the Remote File Store location to achieve a Backup, Restore, or Move File Store operation.