



Empowering Users to Restore Files with Shadow Copies on Amazon FSx for Windows File Server

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Scenario

- User deletes one of their files stored on the server, OR
- User makes a bunch of changes to their file (e.g. contract, report, spreadsheet), and saves it. Then they decide that they want to revert back to the original file.

Result:

- User calls Help Desk to restore the file from backup.

Better Solution:

- User restores the file(s) themselves. [Windows Shadow Copies]

Agenda

- Demo Shadow Copies on Amazon FSx for Windows File Server
- Walk through how to setup Shadow Copies on Amazon FSx for Windows File Server

Shadow Copies on Amazon FSx for Windows File Server Demo

Key Points

- Can have up to 512 shadow copies per file system
- By default, shadow copies are set to consume a maximum of 10% of the total storage capacity.

Setting up Shadow Copies: Prerequisites

- Need a Windows client that has network connectivity to the Amazon FSx for Windows File Server file system.
- Login to the Windows client with a user that has rights.
 - If using AWS Managed Microsoft Active Directory (AD), member of **AWS Delegated FSx Administrators** or
 - If using Self Managed Microsoft AD, the Domain Admins or the custom group that has permissions to manage Amazon FSx for Windows File Server

Setting up Shadow Copy on Amazon FSx for Windows File Server

Execute the following PowerShell commands:

```
Invoke-Command -ComputerName FSxFileSystem-DNS-Name -  
ConfigurationName FSxRemoteAdmin -scriptblock {Set-  
FsxShadowStorage -Default}
```

```
Invoke-Command -ComputerName FSxFileSystem-DNS-Name -  
ConfigurationName FSxRemoteAdmin -scriptblock {Set-  
FsxShadowCopySchedule -Default}
```

Default Shadow Copy configuration

Shadow copy storage space set to 10% of the total file system

Sets shadow copy schedule to:

- Every weekday (Monday through Friday)
- Twice a day at 7:00 AM and 12:00 PM UTC

Configuration Demo

Advanced shadow copy configuration

If you don't want to use the default FSx Shadow Copy configuration, then follow these procedures:

- Initiate remote PowerShell to the Amazon FSx for Windows File Server file system:

```
enter-psession -ComputerName FSxFileSystem-Remote-  
PowerShell-Endpoint -ConfigurationName FsxRemoteAdmin
```

```
New-FsxShadowCopy  
# Creates a new FsxShadow Copy
```

Advanced shadow copy configuration

```
Get-FsxShadowCopies
```

```
# to see the existing shadow copies
```

```
Get-FsxShadowCopySchedule
```

```
# to see the existing Shadow Copy schedule
```

```
# You can create your own custom Shadow Copy schedule
```

```
# Procedure documented in FSx documentation.
```

```
Set-FsxShadowStorage -Maxsize "20%"
```

```
# Sets the max shadow copy storage to 20%. Default is 10%.
```

References

For more information, see [Working with Shadow Copies in the Amazon FSx for Windows File Server User Guide](#)

<https://docs.aws.amazon.com/fsx/latest/WindowsGuide/shadow-copies-fsxW.html>

Thank you!