

Cmdlet Reference for Data Protection Manager in System Center 2012 SP1

Microsoft Corporation

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System Center 2012 Service Pack 1 (SP1) - Data Protection Manager

Feedback

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Contents

[Add-DPMBackupNetworkAddress 8](#_Toc345597762)

[Add-DPMChildDatasource 11](#_Toc345597763)

[Add-DPMDisk 15](#_Toc345597764)

[Add-DPMRecoveryItem 17](#_Toc345597765)

[Add-DPMRecoveryTarget 20](#_Toc345597766)

[Add-DPMSecurityGroup 23](#_Toc345597767)

[Add-DPMTape 25](#_Toc345597768)

[Connect-DPMServer 28](#_Toc345597769)

[Copy-DPMTapeData 31](#_Toc345597770)

[Disable-DPMLibrary 40](#_Toc345597771)

[Disable-DPMProductionServer 43](#_Toc345597772)

[Disable-DPMTapeDrive 45](#_Toc345597773)

[Disconnect-DPMServer 48](#_Toc345597774)

[Edit-DPMDiskAllocation 50](#_Toc345597775)

[Enable-DPMLibrary 53](#_Toc345597776)

[Enable-DPMProductionServer 56](#_Toc345597777)

[Enable-DPMTapeDrive 58](#_Toc345597778)

[Get-DPMAccessLicense 61](#_Toc345597779)

[Get-DPMAlert 64](#_Toc345597780)

[Get-DPMAutoProtectIntent 67](#_Toc345597781)

[Get-DPMBackupNetworkAddress 69](#_Toc345597782)

[Get-DPMChildDatasource 71](#_Toc345597783)

[Get-DPMCloudSubscription 74](#_Toc345597784)

[Get-DPMCloudSubscriptionSetting 76](#_Toc345597785)

[Get-DPMDatasetStatus 78](#_Toc345597786)

[Get-DPMDatasource 80](#_Toc345597787)

[Get-DPMDatasourceProtectionOption 87](#_Toc345597788)

[Get-DPMDisk 90](#_Toc345597789)

[Get-DPMGlobalProperty 92](#_Toc345597790)

[Get-DPMHeadlessDataset 95](#_Toc345597791)

[Get-DPMJob 97](#_Toc345597792)

[Get-DPMLibrary 105](#_Toc345597793)

[Get-DPMMaintenanceJobStartTime 107](#_Toc345597794)

[Get-DPMModifiableProtectionGroup 109](#_Toc345597795)

[Get-DPMPGSet 111](#_Toc345597796)

[Get-DPMPolicyObjective 113](#_Toc345597797)

[Get-DPMPolicySchedule 116](#_Toc345597798)

[Get-DPMProductionCluster 119](#_Toc345597799)

[Get-DPMProductionServer 121](#_Toc345597800)

[Get-DPMProductionVirtualName 123](#_Toc345597801)

[Get-DPMProtectionGroup 126](#_Toc345597802)

[Get-DPMProtectionJobStartTime 128](#_Toc345597803)

[Get-DPMRecoverableItem 130](#_Toc345597804)

[Get-DPMRecoveryItem 134](#_Toc345597805)

[Get-DPMRecoveryPoint 136](#_Toc345597806)

[Get-DPMRecoveryPointLocation 139](#_Toc345597807)

[Get-DPMRecoveryTarget 141](#_Toc345597808)

[Get-DPMReplicaCreationMethod 143](#_Toc345597809)

[Get-DPMRole 145](#_Toc345597810)

[Get-DPMSecurityGroup 147](#_Toc345597811)

[Get-DPMTape 149](#_Toc345597812)

[Get-DPMTapeBackupOption 152](#_Toc345597813)

[Get-DPMTapeDrive 154](#_Toc345597814)

[Get-DPMTapeSlot 156](#_Toc345597815)

[Get-DPMVolume 158](#_Toc345597816)

[Lock-DPMLibraryDoor 160](#_Toc345597817)

[Lock-DPMLibraryIEPort 163](#_Toc345597818)

[New-DPMPGSet 166](#_Toc345597819)

[New-DPMProtectionGroup 170](#_Toc345597820)

[New-DPMRecoveryNotification 173](#_Toc345597821)

[New-DPMRecoveryOption 175](#_Toc345597822)

[New-DPMRecoveryPoint 196](#_Toc345597823)

[New-DPMRecoveryTarget 202](#_Toc345597824)

[New-DPMRole 205](#_Toc345597825)

[New-DPMSearchOption 207](#_Toc345597826)

[New-DPMServerScope 211](#_Toc345597827)

[Remove-DPMBackupNetworkAddress 218](#_Toc345597828)

[Remove-DPMChildDatasource 221](#_Toc345597829)

[Remove-DPMDatasourceReplica 226](#_Toc345597830)

[Remove-DPMDisk 230](#_Toc345597831)

[Remove-DPMObject 232](#_Toc345597832)

[Remove-DPMPGSet 234](#_Toc345597833)

[Remove-DPMRecoveryItem 236](#_Toc345597834)

[Remove-DPMRecoveryPoint 240](#_Toc345597835)

[Remove-DPMRecoveryTarget 243](#_Toc345597836)

[Remove-DPMRole 246](#_Toc345597837)

[Remove-DPMSecurityGroup 248](#_Toc345597838)

[Remove-DPMTape 251](#_Toc345597839)

[Rename-DPMLibrary 255](#_Toc345597840)

[Rename-DPMProtectionGroup 258](#_Toc345597841)

[Rename-DPMRole 261](#_Toc345597842)

[Restart-DPMJob 264](#_Toc345597843)

[Restore-DPMRecoverableItem 266](#_Toc345597844)

[Resume-DPMBackup 270](#_Toc345597845)

[Set-DPMAutoProtectIntent 274](#_Toc345597846)

[Set-DPMCloudSubscriptionSetting 277](#_Toc345597847)

[Set-DPMCredentials 286](#_Toc345597848)

[Set-DPMDatasourceDefaultDiskAllocation 290](#_Toc345597849)

[Set-DPMDatasourceDiskAllocation 294](#_Toc345597850)

[Set-DPMDatasourceProtectionOption 303](#_Toc345597851)

[Set-DPMGlobalProperty 311](#_Toc345597852)

[Set-DPMMaintenanceJobStartTime 318](#_Toc345597853)

[Set-DPMPerformanceOptimization 322](#_Toc345597854)

[Set-DPMPolicyObjective 326](#_Toc345597855)

[Set-DPMPolicySchedule 336](#_Toc345597856)

[Set-DPMProtectionGroup 341](#_Toc345597857)

[Set-DPMProtectionJobStartTime 344](#_Toc345597858)

[Set-DPMProtectionType 349](#_Toc345597859)

[Set-DPMReplicaCreationMethod 353](#_Toc345597860)

[Set-DPMRole 357](#_Toc345597861)

[Set-DPMTape 359](#_Toc345597862)

[Set-DPMTapeBackupOption 363](#_Toc345597863)

[Start-DPMAutoProtection 370](#_Toc345597864)

[Start-DPMCloudRegistration 372](#_Toc345597865)

[Start-DPMCloudUnregistration 375](#_Toc345597866)

[Start-DPMCreateCatalog 378](#_Toc345597867)

[Start-DPMDatasourceConsistencyCheck 381](#_Toc345597868)

[Start-DPMDiskRescan 385](#_Toc345597869)

[Start-DPMLibraryInventory 387](#_Toc345597870)

[Start-DPMLibraryRescan 391](#_Toc345597871)

[Start-DPMOnline 394](#_Toc345597872)

[Start-DPMOnlineRecatalog 397](#_Toc345597873)

[Start-DPMProductionServerSwitchProtection 400](#_Toc345597874)

[Start-DPMSwitchProtection 403](#_Toc345597875)

[Start-DPMTapeDriveCleaning 406](#_Toc345597876)

[Start-DPMTapeErase 409](#_Toc345597877)

[Start-DPMTapeRecatalog 412](#_Toc345597878)

[Stop-DPMJob 415](#_Toc345597879)

[Stop-DPMOnline 418](#_Toc345597880)

[Test-DPMTapeData 420](#_Toc345597881)

[Unlock-DPMLibraryDoor 423](#_Toc345597882)

[Unlock-DPMLibraryIEPort 427](#_Toc345597883)

[Update-DPMJob 430](#_Toc345597884)

[Update-DPMPGSet 431](#_Toc345597885)

[Update-DPMProductionServer 436](#_Toc345597886)

[Update-DPMProtectionGroup 438](#_Toc345597887)

# Add-DPMBackupNetworkAddress

### Add-DPMBackupNetworkAddress

Specifies a backup network for the server to use.

Syntax

Parameter Set: Default  
Add-DPMBackupNetworkAddress [[-DPMServerName] <String> ] [-Address] <String> [-SequenceNumber] <UInt32> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Add-DPMBackupNetworkAddress cmdlet specifies a backup network for the server to use.

### Parameters

### -Address<String>

Provide the IP address or subnet mask of the network.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -SequenceNumber<UInt32>

Specify the priority of the address for use as backup.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Add-DPMBackupNetworkAddress -detailed".

For technical information, type "Get-Help Add-DPMBackupNetworkAddress -full".

### Examples

### EXAMPLE 1

This command adds the address 10.10.10.1 as the backup network address for the server named TestingServer.

PS C:\>Add-DPMBackupNetworkAddress -DpmServername TestingServer -Address 10.10.10.0/16 -SequenceNumber 1

# Add-DPMChildDatasource

### Add-DPMChildDatasource

Adds a data source or a child data source to a protection group.

Syntax

Parameter Set: Default  
Add-DPMChildDatasource [-ProtectionGroup] <ProtectionGroup> [-ChildDatasource] <ProtectableObject[]> [[-Online]] [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Add-DPMChildDatasource cmdlet adds a data source or a child data source to a protection group. A child data source refers to folders on a protected volume.

If you add a data source that was excluded using the Remove-ChildDatasource cmdlet, the exclusion is over-ridden.

### Parameters

### -ChildDatasource<ProtectableObject[]>

Provide a data source that can be protected individually. For example, a folder in a file system.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Online

Indicates if you want to use online protection.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output. Using the PassThru parameter allows such cmdlets to be part of a pipeline.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Provide a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* ProtectionGroup

### Notes

* For more information, type "Get-Help Add-DPMChildDatasource -detailed".

For technical information, type "Get-Help Add-DPMChildDatasource-full".

### Examples

### EXAMPLE 1

This command adds a child data source to a protection group.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName "TestingServer"

$mpg=Get-ModifiableProtectionGroup $pg[0]

$po = Get-Datasource -ProductionServer

$pg Add-DPMChildDatasource -ProtectionGroup

$mpg -ChildDatasource $po[8]

# Add-DPMDisk

### Add-DPMDisk

Adds a new disk to the storage pool

Syntax

Parameter Set: Default  
Add-DPMDisk [-DPMDisk] <Disk[]> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Add-DPMDisk cmdlet adds a new disk to the storage pool.

### Parameters

### -DPMDisk<Disk[]>

Specify a disk that is part of a storage pool.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Disk

### Notes

* For more information, type "Get-Help Add-DPMDisk -detailed".

For technical information, type "Get-Help Add-DPMDisk -full".

### Examples

### EXAMPLE 1

This command adds the disk object in $DPMDisk to the server.

PS C:\>$DPMDisk = Get-DPMDisk -DPMServerName TestingServer

Add-DPMDisk -DPMDisk $DPMDisk

# Add-DPMRecoveryItem

### Add-DPMRecoveryItem

Allows you to identify the recoverable items that members of a DPM role can recover.

Syntax

Parameter Set: Datasources  
Add-DPMRecoveryItem [-DpmRole] <DpmRole> [-Type] {SqlDatabase | SqlInstance | Client} [-Datasources] <SQLDataSource[]> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: SqlInstances  
Add-DPMRecoveryItem [-DpmRole] <DpmRole> [-Type] {SqlDatabase | SqlInstance | Client} [-SqlInstances] <String[]> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Add-DPMRecoveryItem cmdlet allows you to identify the recoverable items that members of a DPM role can recover.

### Parameters

### -Datasources<SQLDataSource[]>

Specify the SQL Server databases that you want to add or remove from the DPM role.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DpmRole<DpmRole>

Specify the DPM role for SQL Server end-user recovery.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -SqlInstances<String[]>

Provide the SQL Server instances that you want to enable end-user recovery on.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Type<AmDatasourceType>

Indicates whether you are providing a SQL Server instance or a SQL Server database to the cmdlet.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| SqlDatabase |  |
| SqlInstance |  |
| Client |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Add-DPMRecoveryItem -detailed".

For technical information, type "Get-Help Add-DPMRecoveryItem -full".

# Add-DPMRecoveryTarget

### Add-DPMRecoveryTarget

Allows you to give the DPM role permission to recover to a location.

Syntax

Parameter Set: Default  
Add-DPMRecoveryTarget [-DpmRole] <DpmRole> [-RecoveryTargets] <TargetRecoveryItem[]> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Add-DPMRecoveryTarget cmdlet allows you to give the DPM role permission to recover to a location.

### Parameters

### -DpmRole<DpmRole>

Provide a DPM role for SQL Server end-user recovery.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RecoveryTargets<TargetRecoveryItem[]>

Provide the Target Recovery Item object which consists of the SQL Server instance and the folder to which alternate instance recovery is allowed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Add-DPMRecoveryTarget -detailed".

For technical information, type "Get-Help Add-DPMRecoveryTarget -full".

# Add-DPMSecurityGroup

### Add-DPMSecurityGroup

Allows you to add security groups to the DPM role.

Syntax

Parameter Set: Default  
Add-DPMSecurityGroup [-DpmRole] <DpmRole> [-SecurityGroups] <String[]> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Add-DPMSecurityGroup cmdlet allows you to add security groups to the DPM role.

### Parameters

### -DpmRole<DpmRole>

Provide a DPM role for SQL Server end-user recovery.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -SecurityGroups<String[]>

Specify the security groups you want to add or remove to a DPM role.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Add-DPMSecurityGroup -detailed".

For technical information, type "Get-Help Add-DPMSecurityGroup -full".

# Add-DPMTape

### Add-DPMTape

Adds a tape to a DPM library.

Syntax

Parameter Set: Default  
Add-DPMTape [-DPMLibrary] <Library> [-Async] [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Add-DPMTape cmdlet adds a tape to a DPM library.

### Parameters

### -Async

Allows the user to indicate that the cmdlet should run asynchronously. This is useful with cmdlets that take a long time to complete. The control returns to the user immediately after the operation starts. The progress of the operation is communicated to the user periodically. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMLibrary<Library>

Specify a DPM library object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -JobStateChangedEventHandler<JobStateChangedEventHandler>

Indicates that the status of the operation should be displayed to the user. The JobStateChangedEventHandler is used along with the -Async parameter. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Add-DPMTape -detailed".

For technical information, type "Get-Help Add-DPMTape -full".

### Examples

### EXAMPLE 1

This command adds a tape to the library.

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

Add-DPMTape -DPMLibrary $DPMLib

# Connect-DPMServer

### Connect-DPMServer

Opens a connection to a DPM server.

Syntax

Parameter Set: DPMServerName  
Connect-DPMServer [-DPMServerName] <String> [-AsyncOperation <AsyncOperation> ] [ <CommonParameters>]  
  
Parameter Set: DPMServerScope  
Connect-DPMServer [-DPMServerScope] <DpmServerScope> [-AsyncOperation <AsyncOperation> ] [ <CommonParameters>]

### Detailed Description

The Connect-Server cmdlet opens a connection to a DPM server.

By default, DPM looks for the server in the current domain. To connect to a server in another domain, you must specify the domain name.

### Parameters

### -AsyncOperation<AsyncOperation>

Used for synchronization purposes.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMServerScope<DpmServerScope>

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* DpmServer

### Notes

* For more information, type "Get-Help Connect-Server -detailed".

For technical information, type "Get-Help Connect-Server -full".

### Examples

### EXAMPLE 1

This command connects to TestingServer in the contoso domain.

PS C:\>Connect-DPMServer TestingServer.corporate.contoso.com

# Copy-DPMTapeData

### Copy-DPMTapeData

Copies the data from a tape for a given recovery point.

Syntax

Parameter Set: CopyToMedia  
Copy-DPMTapeData [-RecoveryPoint] <RecoverySource> -SourceLibrary <Library> -TapeLabel <String> -TapeOption <TapeOptions> -TargetLibrary <Library> [-AdhocJobsContext <AdhocJobsContext> ] [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-RecoveryPointLocation <RecoverySourceLocation> ] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: DumpMediaHeadlessDataset  
Copy-DPMTapeData -IncompleteDataset <HeadlessDataset> -OverwriteType {Overwrite | NoOverwrite | CopyOnExist} -Tape <Media> -TargetPath <String> -TargetServer <String> [-DPMServerName <String> ] [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-RecoveryNotification <NotificationObject> ] [-RecreateReparsePoint] [-Restore] [-RestoreSecurity] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: DumpMediaRecoveryPoint  
Copy-DPMTapeData [-RecoveryPoint] <RecoverySource> -OverwriteType {Overwrite | NoOverwrite | CopyOnExist} -Tape <Media> -TargetPath <String> -TargetServer <String> [-AdhocJobsContext <AdhocJobsContext> ] [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-RecoveryNotification <NotificationObject> ] [-RecoveryPointLocation <RecoverySourceLocation> ] [-RecreateReparsePoint] [-Restore] [-RestoreSecurity] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Copy-DPMTapeData cmdlet copies the data from a tape for a given recovery point.

### Parameters

### -AdhocJobsContext<AdhocJobsContext>

Context details of the adhoc job. Required only in UI, do not use from PowerShell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -IncompleteDataset<HeadlessDataset>

Indicates that in the case of data that spans multiple tapes, the operation will be carried out only on the part of the data present on the current tape.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -JobStateChangedEventHandler<JobStateChangedEventHandler>

Indicates that the status of the operation should be displayed to the user. The JobStateChangedEventHandler is used along with the -Async parameter. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -OverwriteType<OverwriteType>

Indicates the action to be taken when the file being recovered already exists. The possible values are CreateCopy, Skip, and Overwrite.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| Overwrite |  |
| NoOverwrite |  |
| CopyOnExist |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RecoveryNotification<NotificationObject>

Sends a notification when recovery is complete. The notification object is returned by the New-NotificationObject cmdlet.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RecoveryPoint<RecoverySource>

Provide a recovery source object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -RecoveryPointLocation<RecoverySourceLocation>

Specify the location of the recovery point. This is necessary if a recovery item exists in more than one location for the same point in time. For example, on a disk and tape or on two tapes.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -RecreateReparsePoint

Indicates whether the reparse point has to be recreated.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Restore

Indicates a restore operation.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RestoreSecurity

Indicates the security settings to use during a restore operation.

This is a switch parameter. When you use the -RestoreSecurity parameter in the cmdlet, it indicates that the security settings from the recovery point will be used. If the -RestoreSecurity parameter is not used, it indicates that the security settings of the destination server will be used.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -SourceLibrary<Library>

Indicates the location from which the dataset will be copied.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Tape<Media>

Indicates a tape object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -TapeLabel<String>

Provide a label to identify the tape.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -TapeOption<TapeOptions>

Indicates where compression or encryption, or neither, should be performed to the data on the tape. The possible values are 0, 1, or 2 for Compress, Encrypt, and NoCompressAndNoEncrypt, respectively.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -TargetLibrary<Library>

Indicates the target library to which the data set should be copied.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -TargetPath<String>

Specify the target path.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -TargetServer<String>

Specify the server to which recovery is to be made.

When using the New-RecoveryOption cmdlet in a clustered environment, the target server parameter should be in the following format - ResourceGroupName.ClusterName.DomainName.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Job

### Notes

* For more information, type "Get-Help Copy-DPMTapeData -detailed".

For technical information, type "Get-Help Copy-DPMTapeData -full".

# Disable-DPMLibrary

### Disable-DPMLibrary

Disables the specified library.

Syntax

Parameter Set: Default  
Disable-DPMLibrary [-DPMLibrary] <Library[]> [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Disable-DPMLibrary cmdlet disables the specified library.

### Parameters

### -DPMLibrary<Library[]>

Specify a DPM library object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Library

### Notes

* For more information, type "Get-Help Disable-DPMLibrary -detailed".

For technical information, type "Get-Help Disable-DPMLibrary -full".

### Examples

### EXAMPLE 1

This command disables the library on the TestingServer.

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

Disable-DPMLibrary -DPMLibrary $DPMLib

# Disable-DPMProductionServer

### Disable-DPMProductionServer

Disables the DPM protection agent installed on the specified computer.

Syntax

Parameter Set: Default  
Disable-DPMProductionServer [-ProductionServer] <ProductionServer> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Disable-DPMProductionServer cmdlet disables the DPM protection agent installed on the specified computer. As a result, backup jobs for the specified computer will not run.

### Parameters

### -ProductionServer<ProductionServer>

Specify a computer on which DPM protection agent has been installed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Inputs

The input type is the type of the objects that you can pipe to the cmdlet.

* ProductionServer

### Notes

* For more information, type "Get-Help Disable-DPMProductionServer -detailed".

For technical information, type "Get-Help Disable-DPMProductionServer -full".

### Examples

### EXAMPLE 1

This command disables the DPM protection agent on TestComputer.

PS C:\>$ps = Get-DPMProductionServer -DpmServerName "TestingServer" | Where {$\_.Name -eq "TestComputer.contoso.com"}

Disable-DPMProductionServer $ps

# Disable-DPMTapeDrive

### Disable-DPMTapeDrive

Disables the specified tape drives in the library.

Syntax

Parameter Set: Default  
Disable-DPMTapeDrive [-TapeDrive] <Drive[]> [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Disable-DPMTapeDrive cmdlet disables the specified tape drives in the library.

### Parameters

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -TapeDrive<Drive[]>

Specify the tape drive to use.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Disable-DPMTapeDrive -detailed".

For technical information, type "Get-Help Disable-DPMTapeDrive -full".

### Examples

### EXAMPLE 1

This command disables the tape drive on TestingServer.

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

Get-TapeDrive -DPMLibrary $DPMLib

Disable-DPMTapeDrive -TapeDrive $TapeDrive

# Disconnect-DPMServer

### Disconnect-DPMServer

Closes and releases all objects for a DPM connection session.

Syntax

Parameter Set: Default  
Disconnect-DPMServer [[-DPMServerName] <String> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Disconnect-Server closes and releases all objects for a DPM connection session.

### Parameters

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Diconnect-Server -detailed".

For technical information, type "Get-Help Disconnect-Server -full".

### Examples

### EXAMPLE 1

This command closes all connections to TestingServer.

PS C:\>Disconnect-DPMServer -DPMServerName "TestingServer"

# Edit-DPMDiskAllocation

### Edit-DPMDiskAllocation

Modifies disk allocation for the specified protected data source.

Syntax

Parameter Set: ConnectedDatasource  
Edit-DPMDiskAllocation [-Datasource] <Datasource> [-ReplicaSize <Int64> ] [-ShadowCopySize <Int64> ] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: DisconnectedClient  
Edit-DPMDiskAllocation [-Datasource] <Datasource> [-ExpectedDataSizePerClientInMB <Int64> ] [-ShadowCopySize <Int64> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Edit-DPMDiskAllocation cmdlet modifies disk allocation for the specified protected data source.

### Parameters

### -Datasource<Datasource>

Provide protected data source.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -ExpectedDataSizePerClientInMB<Int64>

Specify a new value for the expected size of data to be protected per client computer in MB.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ReplicaSize<Int64>

Specify the new size of the replica volume in bytes.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ShadowCopySize<Int64>

Specify the new size of the recovery point volume in bytes.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Edit-DPMDiskAllocation -detailed".

For technical information, type "Get-Help Edit-DPMDiskAllocation -full".

### Examples

### EXAMPLE 1

This command modifies the replica volume size to 5 GB and recovery point volume size to 3 GB.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName "TestingServer"

$ds = Get-Datasource -ProtectionGroup $pg

Edit-DPMDiskAllocation -Datasource $ds[1] -ReplicaSize 5368709120 -ShadowCopySize 3221225472

# Enable-DPMLibrary

### Enable-DPMLibrary

Enables the specified library.

Syntax

Parameter Set: Default  
Enable-DPMLibrary [-DPMLibrary] <Library[]> [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Enable-DPMLibrary cmdlet enables the specified library.

### Parameters

### -DPMLibrary<Library[]>

Specify a DPM library object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Library

### Notes

* For more information, type "Get-Help Enable-DPMLibrary -detailed".

For technical information, type "Get-Help Enable-DPMLibrary -full".

### Examples

### EXAMPLE 1

This command enables the library on the server TestingServer.

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

Enable-DPMLibrary -DPMLibrary $DPMLib

# Enable-DPMProductionServer

### Enable-DPMProductionServer

Enables the DPM protection agent installed on the specified computer.

Syntax

Parameter Set: Default  
Enable-DPMProductionServer [-ProductionServer] <ProductionServer> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Enable-DPMProductionServer cmdlet anables the DPM protection agent installed on the specified computer. As a result, backup jobs for the specified computer are enabled to run as per schedule.

### Parameters

### -ProductionServer<ProductionServer>

Specify a computer on which DPM protection agent has been installed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Inputs

The input type is the type of the objects that you can pipe to the cmdlet.

* ProductionServer

### Notes

* For more information, type "Get-Help Enable-DPMProductionServer -detailed".

For technical information, type "Get-Help Enable-DPMProductionServer -full".

### Examples

### EXAMPLE 1

This command enables the DPM protection agent on TestComputer.

PS C:\>$ps = Get-DPMProductionServer -DpmServerName "TestingServer" | Where {$\_.Name -eq "TestComputer.domain.com"}

Enable-DPMProductionServer $ps

# Enable-DPMTapeDrive

### Enable-DPMTapeDrive

Enables the specified tape drives in the library.

Syntax

Parameter Set: Default  
Enable-DPMTapeDrive [-TapeDrive] <Drive[]> [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Enable-DPMTapeDrive cmdlet enables the specified tape drives in the library.

### Parameters

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -TapeDrive<Drive[]>

Specify the tape drive to use.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Enable-DPMTapeDrive -detailed".

For technical information, type "Get-Help Enable-DPMTapeDrive -full".

### Examples

### EXAMPLE 1

This command enables the tape drive on a library attached to TestingServer.

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

Get-TapeDrive -DPMLibrary $DPMLib

Enable-DPMTapeDrive -TapeDrive $TapeDrive

# Get-DPMAccessLicense

### Get-DPMAccessLicense

Retrieves the licensing information for the DPM server and protected computers.

Syntax

Parameter Set: License  
Get-DPMAccessLicense [[-License]] [[-DPMServerName] <String> ] [ <CommonParameters>]  
  
Parameter Set: LicenseName  
Get-DPMAccessLicense [-LicenseName] {SML | CML} [[-Period] <Int32> ] [[-DPMServerName] <String> ] [ <CommonParameters>]

### Detailed Description

This cmdlet retrieves the licensing information for the DPM server and protected computers. The License parameter retrieves the licenses supported by DPM. The LicenseName parameter set retrieves the management licenses (servers/clients protected) that were active in the period from the now to Period – n - 90 days.

### Parameters

### -DPMServerName<String>

Provide the name of the DPM server. If this is left empty, the local computer will be assumed to be the DPM server.

|  |  |
| --- | --- |
| Aliases | ComputerName,CN |
| Required? | false |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -License

Indicates that license information must be displayed. Using this parameter returns the following information about the license: Name of the product, Name of the license, Type of license and the tabulation method.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -LicenseName<LicenseNames>

Indicates that all computers that are protected under a particular license type must be listed. This parameter can take two values – SML and CML. SML returns all computers with a server operating system and managed by DPM. CML returns all computers with client operating system installed and managed by DPM.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| SML |  |
| CML |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Period<Int32>

Indicates that all licenses that were used between today and (Period – n - 90) days must be shown. This parameter can take values ranging from 0 to 7 and if you leave it blank, it will show all licenses that are currently in use over the last 90 days.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Examples

### Example 1

This cmdlet will retrieve all computers running server operating system and managed by DPM.

PS C:\> Get-DPMAccessLicense –LicenseName “SML”

### Example 2

This cmdlet will retrieve all active licenses for last 5 days on computers with server operating system and managed by MyDPM.

PS C:\> Get-DPMAccessLicense -DpmServerName MyDpm –Period 5 –LicenseName “SML”

# Get-DPMAlert

### Get-DPMAlert

Returns all the alerts on the specified DPM server.

Syntax

Parameter Set: Default  
Get-DPMAlert [[-DPMServerName] <String> ] [-Async] [-IncludeAlerts {AllActive | FromContext} ] [-IncludeInactiveAlerts] [ <CommonParameters>]

### Detailed Description

The Get-DPMAlert cmdlets returns all the alerts on the specified DPM server.

### Parameters

### -Async

Allows the user to indicate that the cmdlet should run asynchronously. This is useful with cmdlets that take a long time to complete. The control returns to the user immediately after the operation starts. The progress of the operation is communicated to the user periodically. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMServerName<String>

Specify the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByPropertyName) |
| Accept Wildcard Characters? | false |

### -IncludeAlerts<IncludeAlertsType>

Indicates if the alert types should be shown.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| AllActive |  |
| FromContext |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -IncludeInactiveAlerts

Indicates if inactive alerts should be shown.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Inputs

The input type is the type of the objects that you can pipe to the cmdlet.

* DPMServerNameSpecify the name of the DPM server.

### Notes

* For more information, type "Get-Help Get-DPMAlert -detailed".

For technical information, type "Get-Help Get-DPMAlert -full".

# Get-DPMAutoProtectIntent

### Get-DPMAutoProtectIntent

Retrieves the auto-protection setting for a SQL Server instance.

Syntax

Parameter Set: DPMServer  
Get-DPMAutoProtectIntent [-SQLInstanceName] <String> [[-DPMServerName] <String> ] [ <CommonParameters>]  
  
Parameter Set: ProtectionGroup  
Get-DPMAutoProtectIntent [-SQLInstanceName] <String> [-ProtectionGroup] <ProtectionGroup> [ <CommonParameters>]

### Detailed Description

The Get-DPMAutoProtectIntent cmdlet retrieves the auto-protection setting for a SQL Server instance.

### Parameters

### -DPMServerName<String>

Specify the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | ComputerName,CN |
| Required? | false |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Specify the name of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -SQLInstanceName<String>

Specify the SQL Server instance for which you want to set auto-protection or retrieve auto-protection setting.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Get-DPMAutoProtectIntent -detailed".

For technical information, type "Get-Help Get-DPMAutoProtectIntent -full".

# Get-DPMBackupNetworkAddress

### Get-DPMBackupNetworkAddress

Returns a backup network specified for the server.

Syntax

Parameter Set: Default  
Get-DPMBackupNetworkAddress [[-DPMServerName] <String> ] [ <CommonParameters>]

### Detailed Description

The Get-DPMBackupNetworkAddress returns a backup network specified for the server.

### Parameters

### -DPMServerName<String>

Specify the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | ComputerName,CN |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Get-DPMBackupNetworkAddress -detailed".

For technical information, type "Get-Help Get-DPMBackupNetworkAddress -full".

### Examples

### EXAMPLE 1

PS C:\>Get-DPMBackupNetworkAddress -DpmServername TestingServer

# Get-DPMChildDatasource

### Get-DPMChildDatasource

Returns the protectable file system objects within a data source.

Syntax

Parameter Set: Default  
Get-DPMChildDatasource [-ChildDatasource] <ProtectableObject> [[-ProtectionGroup] <ProtectionGroup> ] [-Async] [-Inquire] [-Tag <Object> ] [ <CommonParameters>]

### Detailed Description

The Get-DPMChildDatasource cmdlet returns the protectable file system objects, such as folders, which are within a data source (file system volume) and can be protected. File systems can be protected at a child data source level, but applications can be protected at the data source level only.

### Parameters

### -Async

Allows the user to indicate that the cmdlet should run asynchronously. This is useful with cmdlets that take a long time to complete. The control returns to the user immediately after the operation starts. The progress of the operation is communicated to the user periodically. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ChildDatasource<ProtectableObject>

Specify a data source that can be protected individually. For example, a folder in a file system.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Inquire

Indicates to query the protected computer and return the list of data sources or child data sources on it.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Specify the name of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Tag<Object>

Helps distinguish the replies to each asynchronous call made by a cmdlet. This is useful when building a GUI using cmdlets.

It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* ChildDatasource

### Notes

* For more information, type "Get-Help Get-DPMChildDatasource -detailed".

For technical information, type "Get-Help Get-DPMChildDatasource-full".

### Examples

### EXAMPLE 1

This command retrieves the child data sources on a protectable computer.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName "TestingServer"

$ds = Get-Datasource -ProtectionGroup $pg

$cds = Get-DPMChildDatasource -ChildDatasource $ds[1] -Inquire

# Get-DPMCloudSubscription

### Get-DPMCloudSubscription

Returns the Windows Azure Online Backup subscription object.

Syntax

Parameter Set: Default  
Get-DPMCloudSubscription [[-DPMServerName] <String> ] [ <CommonParameters>]

### Detailed Description

This cmdlet returns the Windows Azure Online Backup subscription object.

### Parameters

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | ComputerName,CN |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Examples

### Example 1

Returns the Windows Azure Online Backup subscription status for the DPM server TestingServer.

PS C:\> Get-DPMCloudSubscription –DPMServerName TestingServer

# Get-DPMCloudSubscriptionSetting

### Get-DPMCloudSubscriptionSetting

Returns the Windows Azure Online Backup subscription configuration settings.

Syntax

Parameter Set: Default  
Get-DPMCloudSubscriptionSetting [[-DPMServerName] <String> ] [ <CommonParameters>]

### Detailed Description

This cmdlet returns the Windows Azure Online Backup subscription configuration settings.

### Parameters

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | ComputerName,CN |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Examples

### Example 1

Returns the Windows Azure Online Backup subscription settings for the DPM server TestingServer.

PS C:\> $setting = Get-DPMCloudSubscriptionSetting -DPMServerName TestingServer$setting

# Get-DPMDatasetStatus

### Get-DPMDatasetStatus

Returns the dataset state of the archive tape.

Syntax

Parameter Set: Default  
Get-DPMDatasetStatus [-Tape] <Media> [ <CommonParameters>]

### Detailed Description

The Get-DPMDatasetStatus cmdlet returns the dataset state of the archive tape.

### Parameters

### -Tape<Media>

Specify a tape object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Get-DPMDatasetStatus -detailed".

For technical information, type "Get-Help Get-DPMDatasetStatus -full".

### Examples

### EXAMPLE 1

This command returns the status of the dataset on the specified tape.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName "TestingServer"

$pt = Get-Tape -ProtectionGroup $pg

Get-DPMDatasetStatus -Tape $pt

# Get-DPMDatasource

### Get-DPMDatasource

Retrieves the list of protected and unprotected data in a computer or protection group.

Syntax

Parameter Set: DpmServer  
Get-DPMDatasource [[-DPMServerName] <String> ] [-Inactive] [ <CommonParameters>]  
  
Parameter Set: ClientProtectionGroup  
Get-DPMDatasource [[-DPMServerName] <String> ] [-ComputerName] <String[]> [-Async] [ <CommonParameters>]  
  
Parameter Set: DataSourceSearch  
Get-DPMDatasource [[-DPMServerName] <String> ] [-Query] <String> [ <CommonParameters>]  
  
Parameter Set: ProductionServer  
Get-DPMDatasource [-ProductionServer] <ProductionServer> [-Async] [-GetVolumesWithoutMountPoints] [-IgnoreDPMInformation] [-Inquire] [-Replica] [-Tag <Object> ] [ <CommonParameters>]  
  
Parameter Set: ProtectionGroup  
Get-DPMDatasource [-ProtectionGroup] <ProtectionGroup> [ <CommonParameters>]  
  
Parameter Set: Search  
Get-DPMDatasource [[-DPMServerName] <String> ] [-Path] <String> [[-ProductionServerName] <String> ] [ <CommonParameters>]

### Detailed Description

The Get-DPMDatasource cmdlet retrieves the list of protected and unprotected data on a computer. The output displays only the objects at whose level protection can be done. Use the Get-ChildDatasource cmdlet to see files within the data source.

- Using the Inquire parameter returns all the available data sources on the protected computer.

- Use the DPMServerName parameter with a search string to search for a protected data source on a DPM server.

- Use the Inactive parameter to return all the inactive data sources on a DPM server. An inactive data source is one that is not actively protected on a DPM server.

- Use the ProtectionGroup parameter to return the data sources in a protection group.

### Parameters

### -Async

Allows the user to indicate that the cmdlet should run asynchronously. This is useful with cmdlets that take a long time to complete. The control returns to the user immediately after the operation starts. The progress of the operation is communicated to the user periodically. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ComputerName<String[]>

Provide the list of client computers to be added to the protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue, ByPropertyName) |
| Accept Wildcard Characters? | false |

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -GetVolumesWithoutMountPoints

Indicates that even volumes without mount points must be retrieved.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -IgnoreDPMInformation

Indicates that the cmdlet should not retrieve protected computer information for data sources.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Inactive

Indicates that inactive data sources on a DPM server must be returned. An inactive data source is one which was protected on the DPM server at one time but is not protected currently. The replicas and recovery points of an inactive data source will still be available.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Inquire

Queries the protected computer and returns the list of data sources or child data sources on it.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Path<String>

Specify the path on which to search for the data source.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProductionServer<ProductionServer>

Provide a server that has a DPM agent installed on it.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue, ByPropertyName) |
| Accept Wildcard Characters? | false |

### -ProductionServerName<String>

Specify the name of the server being protected.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Specify the name of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue, ByPropertyName) |
| Accept Wildcard Characters? | false |

### -Query<String>

Filters the list of data sources and returns only the ones where the name contains the specified string.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Replica

Indicates whether the space required for a replica on the secondary DPM server should be calculated from the protected computer or the primary DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Tag<Object>

Indicates that replies to each asynchronous call made by a cmdlet. This is useful when building a GUI using cmdlets.

It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Datasource

### Notes

* For more information, type "Get-Help Get-DPMDatasource -detailed".

For technical information, type "Get-Help Get-DPMDatasource -full".

### Examples

### -------------------------- EXAMPLE 1 --------------------------

This command returns the list of all data sources on a computer.

PS C:\>$ps = Get-ProductionServer -DPMServerName TestingServer

Get-DPMDatasource -ProductionServer $ps[1] -Inquire

### -------------------------- EXAMPLE 2 --------------------------

This command retrieves the protected data sources in the specified protection group.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

Get-DPMDatasource -ProtectionGroup $pg

### -------------------------- EXAMPLE 3 --------------------------

This command retrieves the inactive data sources on a server.

PS C:\>Get-DPMDatasource -DPMServerName "TestingServer" -Inactive

### -------------------------- EXAMPLE 4 --------------------------

This command retrieves the data source from the specified search location.

PS C:\>Get-DPMDatasource -DPMServerName TestingServer -SearchPath "F:\" -ProductionServer "test.contoso.com"

# Get-DPMDatasourceProtectionOption

### Get-DPMDatasourceProtectionOption

Returns the protection options for all data sources of the specified datasource type in a protection group.

Syntax

Parameter Set: E14Options  
Get-DPMDatasourceProtectionOption [-ProtectionGroup] <ProtectionGroup> -E14Options [ <CommonParameters>]  
  
Parameter Set: ExchangeOptions  
Get-DPMDatasourceProtectionOption [-ProtectionGroup] <ProtectionGroup> -ExchangeOptions [ <CommonParameters>]  
  
Parameter Set: FileSystem  
Get-DPMDatasourceProtectionOption [-ProtectionGroup] <ProtectionGroup> -FileSystem [ <CommonParameters>]

### Detailed Description

The Get-DPMDatasourceProtectionOption cmdlet returns the protection options for all data sources of the specified datasource type in a protection group.

### Parameters

### -E14Options

Indicates that the cmdlet must return an Exchange Server 2010 protection object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ExchangeOptions

Indicates that the options that follow affect only Microsoft Exchange data sources.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -FileSystem

Indicates that the operation is performed on a file system data source.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Specify the name of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Datasource

### Notes

* For more information, type "Get-Help Get-DPMDatasourceProtectionOption -detailed".

For technical information, type "Get-Help Get-DPMDatasourceProtectionOption -full".

# Get-DPMDisk

### Get-DPMDisk

Returns a list of disks found in the last rescan on a DPM server.

Syntax

Parameter Set: Default  
Get-DPMDisk [[-DPMServerName] <String> ] [ <CommonParameters>]

### Detailed Description

The Get-DPMDisk cmdlet returns a list of disks found in the last rescan on a DPM server.

### Parameters

### -DPMServerName<String>

Specify the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | ComputerName,CN |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Disk

### Notes

* For more information, type "Get-Help Get-DPMDisk -detailed".

For technical information, type "Get-Help Get-DPMDisk -full".

### Examples

### EXAMPLE 1

This command returns the list of disks on the server TestingServer.

PS C:\>Get-DPMDisk -DPMServerName "TestingServer"

# Get-DPMGlobalProperty

### Get-DPMGlobalProperty

Retrieves the global properties for this DPM installation.

Syntax

Parameter Set: Default  
Get-DPMGlobalProperty [[-DPMServerName] <String> ] [-PropertyName] {AllowLocalDataProtection | ConsiderForAutoDeployment | ExchangeSCRProtection | HyperVPagefileExclusions | IsNetworkChecksumRequired | KnownVMMServers | LibraryRefreshInterval | MaxCapacityForClientAutoDeployment | RegisteredWriters | TruncateSharePointDbLogs} [ <CommonParameters>]

### Detailed Description

The Get-DPMGlobalProperty cmdlet retrieves the global properties for this DPM installation.

### Parameters

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | ComputerName,CN |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PropertyName<GlobalProperties>

Specify the property to set.

This can take the values:

- IsNetworkChecksumRequired

- TruncateSharePointDbLogs

- LibraryRefreshInterval

- OptimizeTapeUsage

- TapeWritePeriodRatio

- ExchangeSCRProtection

- AllowLocalDataProtection

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| AllowLocalDataProtection |  |
| ConsiderForAutoDeployment |  |
| ExchangeSCRProtection |  |
| HyperVPagefileExclusions |  |
| IsNetworkChecksumRequired |  |
| KnownVMMServers |  |
| LibraryRefreshInterval |  |
| MaxCapacityForClientAutoDeployment |  |
| RegisteredWriters |  |
| TruncateSharePointDbLogs |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type: "get-help Get-DPMGlobalProperty -detailed".

For technical information, type: "get-help Get-DPMGlobalProperty -full".

# Get-DPMHeadlessDataset

### Get-DPMHeadlessDataset

Returns any incomplete dataset on the archive tape.

Syntax

Parameter Set: Default  
Get-DPMHeadlessDataset [-Tape] <Media[]> [ <CommonParameters>]

### Detailed Description

The Get-DPMHeadlessDataset cmdlet returns the incomplete dataset (if any) lying on the archive tape.

### Parameters

### -Tape<Media[]>

Indicates a tape object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Get-DPMHeadlessDataset -detailed".

For technical information, type "Get-Help Get-DPMHeadlessDataset -full".

### Examples

### EXAMPLE 1

This command returns the incomplete data on the tape.

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

$Tape = Get-Tape -DPMLibrary $DPMLib

Get-DPMHeadlessDataset -Tape $Tape[2]

# Get-DPMJob

### Get-DPMJob

Returns a list of current and past jobs on a DPM server.

Syntax

Parameter Set: GetJobsDPM  
Get-DPMJob [[-DPMServerName] <String> ] [[-Type] {Recovery | InitialReplication | Validation | ShadowCopy | Replication | MediaErase | DriveCleaning | DetailedInventory | Verification | DatasetCopy | ArchiveFromSC | RecoveryTape | LibraryRescan | DumpMedia | MediaRecatalog | OnlineRecatalog | FastInventory | CopyDataFromVolume | StagingAreaRestore | SharePointExportAndImport | SharePointCatalog | CloudBackup | CloudToStagingAreaRestore | StagingAreaToPsRecovery | StagingAreaToPsRestore} ] [[-Status] {Completed | Failed | InProgress | Scheduled} ] [[-From] <DateTime> ] [[-To] <DateTime> ] [[-Newest]] [[-AdhocJobs]] [ <CommonParameters>]  
  
Parameter Set: GetJobsDS  
Get-DPMJob [-Datasource] <Datasource[]> [[-Type] {Recovery | InitialReplication | Validation | ShadowCopy | Replication | MediaErase | DriveCleaning | DetailedInventory | Verification | DatasetCopy | ArchiveFromSC | RecoveryTape | LibraryRescan | DumpMedia | MediaRecatalog | OnlineRecatalog | FastInventory | CopyDataFromVolume | StagingAreaRestore | SharePointExportAndImport | SharePointCatalog | CloudBackup | CloudToStagingAreaRestore | StagingAreaToPsRecovery | StagingAreaToPsRestore} ] [[-Status] {Completed | Failed | InProgress | Scheduled} ] [[-From] <DateTime> ] [[-To] <DateTime> ] [[-Newest]] [[-AdhocJobs]] [ <CommonParameters>]  
  
Parameter Set: GetJobsDSName  
Get-DPMJob [-DatasourceName] <String[]> [[-DPMServerName] <String> ] [[-Type] {Recovery | InitialReplication | Validation | ShadowCopy | Replication | MediaErase | DriveCleaning | DetailedInventory | Verification | DatasetCopy | ArchiveFromSC | RecoveryTape | LibraryRescan | DumpMedia | MediaRecatalog | OnlineRecatalog | FastInventory | CopyDataFromVolume | StagingAreaRestore | SharePointExportAndImport | SharePointCatalog | CloudBackup | CloudToStagingAreaRestore | StagingAreaToPsRecovery | StagingAreaToPsRestore} ] [[-Status] {Completed | Failed | InProgress | Scheduled} ] [[-From] <DateTime> ] [[-To] <DateTime> ] [[-Newest]] [[-AdhocJobs]] [ <CommonParameters>]  
  
Parameter Set: GetJobsPG  
Get-DPMJob [-ProtectionGroup] <ProtectionGroup[]> [[-Type] {Recovery | InitialReplication | Validation | ShadowCopy | Replication | MediaErase | DriveCleaning | DetailedInventory | Verification | DatasetCopy | ArchiveFromSC | RecoveryTape | LibraryRescan | DumpMedia | MediaRecatalog | OnlineRecatalog | FastInventory | CopyDataFromVolume | StagingAreaRestore | SharePointExportAndImport | SharePointCatalog | CloudBackup | CloudToStagingAreaRestore | StagingAreaToPsRecovery | StagingAreaToPsRestore} ] [[-Status] {Completed | Failed | InProgress | Scheduled} ] [[-From] <DateTime> ] [[-To] <DateTime> ] [[-Newest]] [[-AdhocJobs]] [ <CommonParameters>]  
  
Parameter Set: GetJobsPS  
Get-DPMJob [-ProductionServer] <ProductionServer[]> [[-Type] {Recovery | InitialReplication | Validation | ShadowCopy | Replication | MediaErase | DriveCleaning | DetailedInventory | Verification | DatasetCopy | ArchiveFromSC | RecoveryTape | LibraryRescan | DumpMedia | MediaRecatalog | OnlineRecatalog | FastInventory | CopyDataFromVolume | StagingAreaRestore | SharePointExportAndImport | SharePointCatalog | CloudBackup | CloudToStagingAreaRestore | StagingAreaToPsRecovery | StagingAreaToPsRestore} ] [[-Status] {Completed | Failed | InProgress | Scheduled} ] [[-From] <DateTime> ] [[-To] <DateTime> ] [[-Newest]] [[-AdhocJobs]] [ <CommonParameters>]  
  
Parameter Set: GetJobsPSName  
Get-DPMJob [-ProductionServerName] <String[]> [[-DPMServerName] <String> ] [[-Type] {Recovery | InitialReplication | Validation | ShadowCopy | Replication | MediaErase | DriveCleaning | DetailedInventory | Verification | DatasetCopy | ArchiveFromSC | RecoveryTape | LibraryRescan | DumpMedia | MediaRecatalog | OnlineRecatalog | FastInventory | CopyDataFromVolume | StagingAreaRestore | SharePointExportAndImport | SharePointCatalog | CloudBackup | CloudToStagingAreaRestore | StagingAreaToPsRecovery | StagingAreaToPsRestore} ] [[-Status] {Completed | Failed | InProgress | Scheduled} ] [[-From] <DateTime> ] [[-To] <DateTime> ] [[-Newest]] [[-AdhocJobs]] [ <CommonParameters>]  
  
Parameter Set: UpdateJobsDPM  
Get-DPMJob [-Job] <Job[]> [ <CommonParameters>]

### Detailed Description

This cmdlet returns a list of current and past jobs on a DPM server.

### Parameters

### -AdhocJobs

Indicates that the cmdlet should return only adhoc jobs and not scheduled jobs.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 7 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Datasource<Datasource[]>

Specify the data source objects by which the jobs are filtered.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -DatasourceName<String[]>

Specify the name of the data source by which the jobs are to be filtered.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -DPMServerName<String>

Specify the name of the DPM server to be queried.

|  |  |
| --- | --- |
| Aliases | ComputerName,CN |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -From<DateTime>

Used in conjunction with To parameter to specify the time range by which the jobs must be filtered.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 4 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Job<Job[]>

List of jobs.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Newest

Returns the last job that ran on the filter objects.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 6 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProductionServer<ProductionServer[]>

Specify the protected computer objects by which the jobs must be filtered.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -ProductionServerName<String[]>

Specify the name of the protected computers by which the jobs must be filtered.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup[]>

Specify the protection group objects by which the jobs must be filtered.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Status<JobStatusType[]>

Specify the job status by which the jobs must be filtered.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| Completed |  |
| Failed |  |
| InProgress |  |
| Scheduled |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -To<DateTime>

Used in conjunction with From parameter to specify the time range by which the jobs must be filtered.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 5 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Type<DPMJobType[]>

Specify the job types by which the jobs must be filtered.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| Recovery |  |
| InitialReplication |  |
| Validation |  |
| ShadowCopy |  |
| Replication |  |
| MediaErase |  |
| DriveCleaning |  |
| DetailedInventory |  |
| Verification |  |
| DatasetCopy |  |
| ArchiveFromSC |  |
| RecoveryTape |  |
| LibraryRescan |  |
| DumpMedia |  |
| MediaRecatalog |  |
| OnlineRecatalog |  |
| FastInventory |  |
| CopyDataFromVolume |  |
| StagingAreaRestore |  |
| SharePointExportAndImport |  |
| SharePointCatalog |  |
| CloudBackup |  |
| CloudToStagingAreaRestore |  |
| StagingAreaToPsRecovery |  |
| StagingAreaToPsRestore |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Examples

### Example 1

Returns latest jobs run on the DPM server TestingServer.

PS C:\> Get-dpmjob -dpmservername TestingServer -Newest

### Example 2

Returns the latest jobs run on protection groups on the DPM server TestingServer.

PS C:\> $pg = Get-ProtectionGroup –DpmServerName TestingServer

PS C:\> Get-dpmjob -ProtectionGroup $pg

### Example 3

Restarts the failed protection group jobs on DPM server TestingServer.

PS C:\> $pg = Get-ProtectionGroup –DpmServerName TestingServer

PS C:\> get-dpmjob -ProtectionGroup $pg -status failed

# Get-DPMLibrary

### Get-DPMLibrary

Returns the list of libraries attached to the DPM server and their status.

Syntax

Parameter Set: Default  
Get-DPMLibrary [[-DPMServerName] <String> ] [ <CommonParameters>]

### Detailed Description

The Get-DPMLibrary cmdlet returns the list of libraries attached to the DPM server and their status.

### Parameters

### -DPMServerName<String>

Specify the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByPropertyName) |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Library

### Notes

* For more information, type "Get-Help Get-DPMLibrary -detailed".

For technical information, type "Get-Help Get-DPMLibrary -full".

### Examples

### EXAMPLE 1

This command returns the list of libraries attached to the specified DPM server and their status.

PS C:\>Get-DPMLibrary -DPMServerName "TestingServer"

# Get-DPMMaintenanceJobStartTime

### Get-DPMMaintenanceJobStartTime

Returns the start time of the maintenance jobs.

Syntax

Parameter Set: Default  
Get-DPMMaintenanceJobStartTime [[-DPMServerName] <String> ] [-MaintenanceJob] {CatalogPruning | LibraryInventory} [ <CommonParameters>]

### Detailed Description

The Get-DPMMaintenanceJobStartTime returns the start time of the maintenance jobs like Catalog Pruning and Detailed Inventory.

### Parameters

### -DPMServerName<String>

Specify the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | ComputerName,CN |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -MaintenanceJob<HouseKeepingJobs>

Indicates a maintenance job to be performed on the replica. The valid values are CatalogPruning and DetailedInventory.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| CatalogPruning |  |
| LibraryInventory |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* DateTime

### Notes

* For more information, type "Get-Help Set-MaintenanceJobStartTime -detailed".

For technical information, type "Get-Help Get-DPMMaintenanceJobStartTime -full".

### Examples

### EXAMPLE 1

This command returns the time when catalog pruning is scheduled to run on the server.

PS C:\>Get-DPMMaintenanceJobStartTime -DPMServerName TestServer -MaintenanceJob CatalogPruning

# Get-DPMModifiableProtectionGroup

### Get-DPMModifiableProtectionGroup

Retrieves a protection group in an editable mode.

Syntax

Parameter Set: Default  
Get-DPMModifiableProtectionGroup [-ProtectionGroup] <ProtectionGroup> [ <CommonParameters>]

### Detailed Description

The Get-DPMModifiableProtectionGroup cmdlet retrieves a protection group in an editable mode since the protection group object returned by Get-ProtectionGroup is not editable.

Once you have carried out the changes to the protection group, you must save the changes using the Set-ProtectionGroup cmdlet.

The sequence of steps when working with a modifiable protection group are:

Get-ProtectionGroup

Get-DPMModifiableProtectionGroup

<Perform actions on the protection group>

Set-ProtectionGroup

### Parameters

### -ProtectionGroup<ProtectionGroup>

Provide a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* ProtectionGroup (Editable)

### Notes

* For more information, type "Get-Help Get-DPMModifiableProtectionGroup -detailed".

For technical information, type "Get-Help Get-DPMModifiableProtectionGroup -full".

### Examples

### EXAMPLE 1

This command returns the protection group in a modifiable state.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

Get-DPMModifiableProtectionGroup -ProtectionGroup $pg

# Get-DPMPGSet

### Get-DPMPGSet

Returns the list of DPM PG sets on the specified DPM server.

Syntax

Parameter Set: Default  
Get-DPMPGSet [[-DPMServerName] <String> ] [ <CommonParameters>]

### Detailed Description

The Get-DPMPGSet cmdlet returns the list of DPM PG sets on the specified DPM server.

### Parameters

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | ComputerName,CN |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Get-DPMPGSet -detailed".

For technical information, type "Get-Help Get-DPMPGSet -full".

# Get-DPMPolicyObjective

### Get-DPMPolicyObjective

Returns the protection policy for a protection group.

Syntax

Parameter Set: LongTerm  
Get-DPMPolicyObjective [-ProtectionGroup] <ProtectionGroup> -LongTerm <LongTermLocation> [ <CommonParameters>]  
  
Parameter Set: ShortTerm  
Get-DPMPolicyObjective [-ProtectionGroup] <ProtectionGroup> -ShortTerm [ <CommonParameters>]

### Detailed Description

The Get-DPMPolicyObjective cmdlet returns the protection policy for a protection group. The cmdlet returns the retention range and protection frequency (synchronization to disk or backup to tape) of the protection group.

### Parameters

### -LongTerm<LongTermLocation>

Indicates that the protection group is set to long-term tape protection. This parameter can take the values Tape, Online, and OnlineAndTape.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | Tape |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Provide a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -ShortTerm

Indicates that the protection group will be on disk, on tape, or on neither, if nothing is specified.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* PolicyObjective

### Notes

* For more information, type "Get-Help Get-DPMPolicyObjective -detailed".

For technical information, type "Get-Help Get-DPMPolicyObjective -full".

### Examples

### EXAMPLE 1

Returns the short-term policy objective of the protection group.

$pg holds a protection group.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

Get-DPMPolicyObjective -ProtectionGroup $pg -ShortTerm

### EXAMPLE 2

Returns the long-term policy objective of a protection group.

$pg holds a protection group.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

Get-DPMPolicyObjective -ProtectionGroup $pg -LongTerm

# Get-DPMPolicySchedule

### Get-DPMPolicySchedule

Returns the schedule for various protection jobs like synchronization, recovery point creation (shadow copy), and tape backups.

Syntax

Parameter Set: LongTerm  
Get-DPMPolicySchedule [-ProtectionGroup] <ProtectionGroup> -LongTerm <LongTermLocation> [ <CommonParameters>]  
  
Parameter Set: OffsetSchedule  
Get-DPMPolicySchedule [-ProtectionGroup] <ProtectionGroup> -OffsetSchedule [ <CommonParameters>]  
  
Parameter Set: ShortTerm  
Get-DPMPolicySchedule [-ProtectionGroup] <ProtectionGroup> -ShortTerm [ <CommonParameters>]

### Detailed Description

The Get-DPMPolicySchedule cmdlet returns the schedule for various protection jobs like synchronization, recovery point creation (shadow copy), and tape backups.

### Parameters

### -LongTerm<LongTermLocation>

Indicates that the protection group is set to long-term tape protection. This parameter can take the values Tape, Online, and OnlineAndTape.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | Tape |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -OffsetSchedule

Indicates the offset schedule must be used. The interval, in minutes, by which the synchronization will be offset. This can range between 0 and 14 minutes. This helps reduce the load on the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Provide a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -ShortTerm

Indicates that the protection group will be on disk, on tape, or on neither, if nothing is specified.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Schedule

### Notes

* For more information, type "Get-Help Get-DPMPolicySchedule -detailed".

For technical information, type "Get-Help Get-DPMPolicySchedule -full".

### Examples

### EXAMPLE 1

This command returns the short-term synchronization schedule of the protection group.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

Get-DPMPolicySchedule -ProtectionGroup $pg -ShortTerm

### EXAMPLE 2

This command returns the long-term synchronization schedule of the protection group.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

Get-DPMPolicySchedule -ProtectionGroup $pg -LongTerm

# Get-DPMProductionCluster

### Get-DPMProductionCluster

Returns a list of all clusters on which the DPM agent is installed.

Syntax

Parameter Set: Default  
Get-DPMProductionCluster [[-DPMServerName] <String> ] [ <CommonParameters>]

### Detailed Description

The Get-DPMProductionCluster cmdlet returns a list of all clusters on which the DPM agent is installed.

### Parameters

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | ComputerName,CN |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Cluster

### Notes

* For more information, type "Get-Help Get-DPMProductionCluster -detailed".

For technical information, type "Get-Help Get-DPMProductionCluster -full".

### Examples

### EXAMPLE 1

This command returns a list of clusters protected by TestingServer.

PS C:\>Get-DPMProductionCluster -DPMServerName "TestingServer"

# Get-DPMProductionServer

### Get-DPMProductionServer

Returns the list of servers that have the DPM Protection Agent installed on them.

Syntax

Parameter Set: Default  
Get-DPMProductionServer [[-DPMServerName] <String> ] [ <CommonParameters>]

### Detailed Description

The Get-DPMProductionServer returns the list of servers that have the DPM Protection Agent installed on them.

### Parameters

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | ComputerName,CN |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* ProductionServer

### Notes

* For more information, type "Get-Help Get-DPMProductionServer -detailed".

For technical information, type "Get-Help Get-DPMProductionServer -full".

### Examples

### EXAMPLE 1

This command returns the list of computers that have the Protection Agent installed on them and protected by the server TestingServer.

PS C:\>Get-DPMProductionServer -DPMServerName "TestingServer"

# Get-DPMProductionVirtualName

### Get-DPMProductionVirtualName

Returns the virtual names for a cluster.

Syntax

Parameter Set: Sync  
Get-DPMProductionVirtualName [-ProductionCluster] <Cluster> [-Async] [-Handler <EventHandler<VNInquiryeventArgs>> ] [-Tag <Object> ] [ <CommonParameters>]

### Detailed Description

The Get-DPMProductionVirtualName cmdlet returns the virtual names for a cluster.

### Parameters

### -Async

Allows the user to indicate that the cmdlet should run asynchronously. This is useful with cmdlets that take a long time to complete. The control returns to the user immediately after the operation starts. The progress of the operation is communicated to the user periodically. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Handler<EventHandler<VNInquiryeventArgs>>

Calls the event handler when an event is received. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProductionCluster<Cluster>

Provide a cluster of protectable servers.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Tag<Object>

Helps distinguish the replies to each asynchronous call made by a cmdlet. This is useful when building a GUI using cmdlets.

It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* VirtualName

### Notes

* For more information, type "Get-Help Get-DPMProductionVirtualName -detailed".

For technical information, type "Get-Help Get-DPMProductionVirtualName -full".

### Examples

### EXAMPLE 1

This command returns the virtual name of the clusters protected by TestingServer.

PS C:\>$pc = Get-ProductionCluster -DPMServerName "TestingServer"

Get-DPMProductionVirtualName -ProductionCluster $pc

# Get-DPMProtectionGroup

### Get-DPMProtectionGroup

Retrieves the list of protection groups on the DPM server.

Syntax

Parameter Set: Default  
Get-DPMProtectionGroup [[-DPMServerName] <String> ] [-Async] [ <CommonParameters>]

### Detailed Description

The Get-DPMProtectionGroup cmdlet retrieves the list of protection groups on the DPM server.

The protection group, however, is not in a modifiable mode. To make the protection group modifiable you must follow-up the Get-ProtectionGroup with the Get-ModifiableProtectionGroup cmdlet.

### Parameters

### -Async

Allows the user to indicate that the cmdlet should run asynchronously. This is useful with cmdlets that take a long time to complete. The control returns to the user immediately after the operation starts. The progress of the operation is communicated to the user periodically. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | ComputerName,CN |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Get-DPMProtectionGroup -detailed".

For technical information, type "Get-Help Get-DPMProtectionGroup -full".

### Examples

### EXAMPLE 1

This command returns the protection group on a DPM server.

PS C:\>Get-DPMProtectionGroup -DPMServerName TestingServer

# Get-DPMProtectionJobStartTime

### Get-DPMProtectionJobStartTime

Returns the start time of a protection job.

Syntax

Parameter Set: Default  
Get-DPMProtectionJobStartTime [-ProtectionGroup] <ProtectionGroup> [-JobType] <ProtectionJobType> [ <CommonParameters>]

### Detailed Description

The Get-DPMProtectionJobStartTime cmdlet returns the start time of a protection job.

### Parameters

### -JobType<ProtectionJobType>

Indicates the type of job for which options are being set. The possible value that this parameter can take is ConsistencyCheck.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Provide a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* DateTime

### Notes

* For more information, type "Get-Help Get-DPMProtectionJobStartTime -detailed".

For technical information, type "Get-Help Get-DPMProtectionJobStartTime -full".

### Examples

### EXAMPLE 1

This command returns the job start time for the consistency check on the protection group.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

Get-DPMProtectionJobStartTime -ProtectionGroup $pg -JobType ConsistencyCheck

# Get-DPMRecoverableItem

### Get-DPMRecoverableItem

Returns a list of recoverable items in a recovery point.

Syntax

Parameter Set: Browse  
Get-DPMRecoverableItem [-RecoverableItem] <RecoverableObject> [-BrowseType] <BrowseType> [-Async] [-Tag <Object> ] [ <CommonParameters>]  
  
Parameter Set: Search  
Get-DPMRecoverableItem [-Datasource] <Datasource> [-SearchOption] <SearchSpecifications> [-Async] [-Tag <Object> ] [ <CommonParameters>]  
  
Parameter Set: Shares  
Get-DPMRecoverableItem -RecoveryPointForShares <RecoverySource> [-Async] [-Tag <Object> ] [ <CommonParameters>]

### Detailed Description

The Get-DPMRecoverableItem cmdlet returns a list of recoverable items in a recovery point.

The recoverable items based on source are:

File system: Files and folders

Microsoft Exchange: Storage groups, databases and mailboxes

Microsoft SQL: Databases

Microsoft ShapePoint: Sites, databases and documents

Virtual Machines

A DPM server

System state of a protected computer

### Parameters

### -Async

Allows the user to indicate that the cmdlet should run asynchronously. This is useful with cmdlets that take a long time to complete. The control returns to the user immediately after the operation starts. The progress of the operation is communicated to the user periodically. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -BrowseType<BrowseType>

Indicates whether to browse only the parent nodes or to browse the child nodes as well. The valid values are Parent and Child.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Datasource<Datasource>

Provide a data source object. A data source may be a Windows file system share or volume, Microsoft SQL Server database, Microsoft Exchange storage group, Microsoft SharePoint farm, Microsoft Virtual Machine, DPM database, or system state that is a member of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -RecoverableItem<RecoverableObject>

Provide a recoverable item object. This is child item within a recovery point that can be recovered. For e.g. a Windows file system share or volume, Microsoft SQL database, Microsoft Exchange storage group, Microsoft SharePoint, Microsoft Virtual Machine, Microsoft DPM database, system state or a recovery point.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -RecoveryPointForShares<RecoverySource>

Provide the recovery point to use.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -SearchOption<SearchSpecifications>

Sets the search options as defined in New-SearchOption.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Tag<Object>

Helps distinguish the replies to each asynchronous call made by a cmdlet. This is useful when building a GUI using cmdlets.

It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* RecoverableItem

### Notes

* For more information, type "Get-Help Get-DPMRecoverableItem -detailed".

For technical information, type "Get-Help Get-DPMRecoverableItem -full".

### Examples

### Example 1

This command returns an object that can be recovered from the recovery point.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

$ds = Get-Datasource -ProtectionGroup $pg

$rp = Get-RecoveryPoint -Datasource $ds

Get-DPMRecoverableItem -RecoverableItem $rp -BrowseType child

# Get-DPMRecoveryItem

### Get-DPMRecoveryItem

Allows you to retrieve and display the recovery items attached to a role.

Syntax

Parameter Set: Default  
Get-DPMRecoveryItem [-DpmRole] <DpmRole> [-Type] {SqlDatabase | SqlInstance | Client} [ <CommonParameters>]

### Detailed Description

The Get-DPMRecoveryItem cmdlet allows you to retrieve and display the recovery items attached to a role.

### Parameters

### -DpmRole<DpmRole>

Provide a DPM role for SQL Server end-user recovery.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Type<AmDatasourceType>

Indicates whether you are providing a SQL Server instance or SQL Server database to the cmdlet.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| SqlDatabase |  |
| SqlInstance |  |
| Client |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Get-DPMRecoveryItem -detailed".

For technical information, type "Get-Help Get-DPMRecoveryItem -full".

# Get-DPMRecoveryPoint

### Get-DPMRecoveryPoint

Returns all available recovery points for a data source.

Syntax

Parameter Set: Datasource  
Get-DPMRecoveryPoint [-Datasource] <Datasource> [-Async] [-Online] [ <CommonParameters>]  
  
Parameter Set: Tape  
Get-DPMRecoveryPoint [-Tape] <Media> [ <CommonParameters>]

### Detailed Description

The Get-DPMRecoveryPoint cmdlet returns all available recovery points for a data source.

### Parameters

### -Async

Allows the user to indicate that the cmdlet should run asynchronously. This is useful with cmdlets that take a long time to complete. The control returns to the user immediately after the operation starts. The progress of the operation is communicated to the user periodically. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Datasource<Datasource>

Provide a data source object. A data source may be a Windows file system share or volume, Microsoft SQL Server database, Microsoft Exchange storage group, Microsoft SharePoint farm, Microsoft Virtual Machine, DPM database, or system state that is a member of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Online

Indicates that online protection is enabled.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Tape<Media>

Indicates a tape object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* RecoveryPoint

### Notes

* For more information, type "Get-Help Get-DPMRecoveryPoint -detailed".

For technical information, type "Get-Help Get-DPMRecoveryPoint -full".

### Examples

### EXAMPLE 1

This command returns the recovery point for the data source.

PS C:\> $pg = Get-ProtectionGroup -DPMServerName TestingServer

PS C:\> $ds = Get-Datasource -ProtectionGroup $pg

PS C:\> Get-DPMRecoveryPoint -Datasource $ds

# Get-DPMRecoveryPointLocation

### Get-DPMRecoveryPointLocation

Returns the location of a recovery point.

Syntax

Parameter Set: Default  
Get-DPMRecoveryPointLocation [-RecoveryPoint] <RecoverySource> [ <CommonParameters>]

### Detailed Description

The Get-DPMRecoveryPointLocation cmdlet returns the location of a recovery point. The returned object indicates whether the recovery point is located on disk or tape. In case it is on a tape, the cmdlet will return the tape's details.

### Parameters

### -RecoveryPoint<RecoverySource>

Provide a recovery point to use.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* RecoveryPointLocation

### Notes

* For more information, type "Get-Help Get-DPMRecoveryPointLocation -detailed".

For technical information, type "Get-Help Get-DPMRecoveryPointLocation -full".

### Examples

### EXAMPLE 1

This command returns the location of the specified recovery point.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

$ds = Get-Datasource -ProtectionGroup $pg

$rp = Get-RecoveryPoint -Datasource $ds

Get-DPMRecoveryPointLocation -RecoveryPoint $rp

# Get-DPMRecoveryTarget

### Get-DPMRecoveryTarget

Retrieves the recovery target for the specified role.

Syntax

Parameter Set: Default  
Get-DPMRecoveryTarget [-DpmRole] <DpmRole> [-Type] {SqlDatabase | SqlInstance | Client} [ <CommonParameters>]

### Detailed Description

The Get-DPMRecoveryTarget cmdlet retrieves the recovery target for the specified role.

### Parameters

### -DpmRole<DpmRole>

Provide a DPM role for SQL Server end-user recovery.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Type<AmDatasourceType>

Indicates whether you are providing a SQL Server instance or SQL Server database to the cmdlet.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| SqlDatabase |  |
| SqlInstance |  |
| Client |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Get-DPMRecoveryTarget -detailed".

For technical information, type "Get-Help Get-DPMRecoveryTarget -full".

# Get-DPMReplicaCreationMethod

### Get-DPMReplicaCreationMethod

Retrieves the replica creation method that is specified for a protection group.

Syntax

Parameter Set: Default  
Get-DPMReplicaCreationMethod [-ProtectionGroup] <ProtectionGroup> [-Reserved] [ <CommonParameters>]

### Detailed Description

The Get-DPMReplicaCreationMethod cmdlet retrieves the replica creation method that is specified for a protection group. The replica creation method specifies when the creation of a replica is initiated. The possible values are Now, Later, and Manual.

The Get-DPMReplicaCreationMethod cmdlet is the first step to change the specified replica creation method that is specified for a protection group. After you retrieve the replica creation method by using Get-DPMReplicaCreationMethod, you can change it using the Set-ReplicaCreationMethod.

### Parameters

### -ProtectionGroup<ProtectionGroup>

Provide a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Reserved

This is an internal parameter. Do not use.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* ReplicaCreationMethod

### Notes

* For more information, type "Get-Help Get-DPMReplicaCreationMethod -detailed".

For technical information, type "Get-Help Get-DPMReplicaCreationMethod -full".

### Examples

### EXAMPLE 1

This command returns the replica creation method for Trial PG.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

Get-DPMReplicaCreationMethod -ProtectionGroup $pg

# Get-DPMRole

### Get-DPMRole

Allows you to open a DPM role for editing or to display a DPM role and its properties.

Syntax

Parameter Set: Default  
Get-DPMRole [[-DPMServerName] <String> ] [[-Name] <String> ] [-Editable] [ <CommonParameters>]

### Detailed Description

The Get-DPMRole cmdlet allows you to open a DPM role for editing or to display a DPM role and its properties.

Use the –Editable parameter to open the role for editing.

To list all the available role names, use the cmdlet without specifying a DPM role name.

### Parameters

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Editable

Retrieves the DPM role in editable mode.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Name<String>

Specify the name of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Get-DPMRole -detailed".

For technical information, type "Get-Help Get-DPMRole -full".

# Get-DPMSecurityGroup

### Get-DPMSecurityGroup

Allows you to retrieve and display the security groups for a DPM role.

Syntax

Parameter Set: Default  
Get-DPMSecurityGroup [-DpmRole] <DpmRole> [ <CommonParameters>]

### Detailed Description

The Get-DPMSecurityGroup cmdlet allows you to retrieve and display the security groups for a DPM role.

### Parameters

### -DpmRole<DpmRole>

Provide a DPM role for SQL Server end-user recovery.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Get-DPMSecurityGroup -detailed".

For technical information, type "Get-Help Get-DPMSecurityGroup -full".

# Get-DPMTape

### Get-DPMTape

Returns a list of tapes in the library across drives and slots.

Syntax

Parameter Set: Library  
Get-DPMTape [-DPMLibrary] <Library[]> [ <CommonParameters>]  
  
Parameter Set: ProtectionGroup  
Get-DPMTape [-ProtectionGroup] <ProtectionGroup[]> [ <CommonParameters>]  
  
Parameter Set: RecoverySourceLocation  
Get-DPMTape [-RecoveryPointLocation] <RecoverySourceLocation[]> [ <CommonParameters>]

### Detailed Description

The Get-DPMTape cmdlet returns a list of tapes in the library across drives and slots.

Using the -DPMLibrary parameter returns the tapes in the specified library.

Using the -ProtectionGroup parameter returns the tapes used by the specified protection group.

Using the -RecoveryPointLocation parameter returns the tapes used by a recovery point.

### Parameters

### -DPMLibrary<Library[]>

Specify the DPM library object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup[]>

Specify the name of the protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -RecoveryPointLocation<RecoverySourceLocation[]>

Specify the location of the recovery point. This is necessary if a recovery item exists in more than one location for the same point in time. For example, on a disk and tape or on two tapes.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Tape

### Notes

* For more information, type "Get-Help Get-DPMTape -detailed".

For technical information, type "Get-Help Get-DPMTape -full".

### Examples

### EXAMPLE 1

This command returns the list of tapes on TestingServer.

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

Get-DPMTape -DPMLibrary $DPMLib

# Get-DPMTapeBackupOption

### Get-DPMTapeBackupOption

Returns the library, drive and other backup or archive options for a protection group.

Syntax

Parameter Set: Default  
Get-DPMTapeBackupOption [-ProtectionGroup] <ProtectionGroup> [ <CommonParameters>]

### Detailed Description

The Get-DPMTapeBackupOption returns the library, drive and other backup or archive options for a protection group.

### Parameters

### -ProtectionGroup<ProtectionGroup>

Specify a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* ProtectionGroup

### Notes

* For more information, type "Get-Help Get-DPMTapeBackupOption -detailed".

For technical information, type "Get-Help Get-DPMTapeBackupOption -full".

### Examples

### EXAMPLE 1

This command returns the backup options for the tape.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

Get-DPMTapeBackupOption -ProtectionGroup $pg

# Get-DPMTapeDrive

### Get-DPMTapeDrive

Returns a list of drives in a library on a DPM server.

Syntax

Parameter Set: Default  
Get-DPMTapeDrive [-DPMLibrary] <Library[]> [ <CommonParameters>]

### Detailed Description

The Get-DPMTapeDrive cmdlet returns a list of drives in a library on a DPM server.

### Parameters

### -DPMLibrary<Library[]>

Specify a DPM library object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* TapeDrive

### Notes

* For more information, type "Get-Help Get-DPMTapeDrive -detailed".

For technical information, type "Get-Help Get-DPMTapeDrive -full".

### Examples

### EXAMPLE 1

This command returns the tape drive in all libraries on TestingServer.

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

Get-DPMTapeDrive -DPMLibrary $DPMLib

# Get-DPMTapeSlot

### Get-DPMTapeSlot

Returns the list of slots in the library.

Syntax

Parameter Set: Default  
Get-DPMTapeSlot [-DPMLibrary] <Library[]> [ <CommonParameters>]

### Detailed Description

The Get-DPMTapeSlot cmdlet returns the list of slots in the library.

### Parameters

### -DPMLibrary<Library[]>

Specify a DPM library object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* SlotNumber

### Notes

* For more information, type "Get-Help Get-DPMTapeSlot -detailed".

For technical information, type "Get-Help Get-DPMTapeSlot -full".

### Examples

### EXAMPLE 1

This command returns the tape slot in the library.

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

Get-DPMTapeSlot -DPMLibrary $DPMLib

# Get-DPMVolume

### Get-DPMVolume

Returns a list of volumes on the DPM server.

Syntax

Parameter Set: Default  
Get-DPMVolume [[-DPMServerName] <String> ] [-AlreadyInUseByDPM] [ <CommonParameters>]

### Detailed Description

The Get-DPMVolume cmdlet returns a list of volumes on the DPM server.

### Parameters

### -AlreadyInUseByDPM

Indicates that the list must be filtered by the volumes being used by the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMServerName<String>

Specify the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | ComputerName,CN |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Get-DPMVolume -detailed".

For technical information, type "Get-Help Get-DPMVolume -full".

### Examples

### EXAMPLE 1

This command returns the volumes on TestingServer.

PS C:\>Get-DPMVolume -DPMServerName "TestingServer"

# Lock-DPMLibraryDoor

### Lock-DPMLibraryDoor

Locks the door of the specified library.

Syntax

Parameter Set: Default  
Lock-DPMLibraryDoor [-DPMLibrary] <Library> [-Async] [-DoorAccessJobStateChangeEventHandler <DoorAccessJobStateChangeEventHandler> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Lock-DPMLibraryDoor cmdlet locks the door of the specified library.

### Parameters

### -Async

Allows the user to indicate that the cmdlet should run asynchronously. This is useful with cmdlets that take a long time to complete. The control returns to the user immediately after the operation starts. The progress of the operation is communicated to the user periodically. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | true (ByPropertyName) |
| Accept Wildcard Characters? | false |

### -DoorAccessJobStateChangeEventHandler<DoorAccessJobStateChangeEventHandler>

Indicates a call-back method for an Async door operation. If the user calls the cmdlet with the –Async flag, a static or member method name of a class can be provided to act as the handler for the progress event of the long running door operation. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | true (ByPropertyName) |
| Accept Wildcard Characters? | false |

### -DPMLibrary<Library>

Specify a DPM library object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue, ByPropertyName) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Lock-DPMLibraryDoor -detailed".

For technical information, type "Get-Help Lock-DPMLibraryDoor -full".

### Examples

### EXAMPLE 1

This command locks the library door of the specified library.

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

Lock-DPMLibraryDoor -DPMLibrary $DPMLib[0]

# Lock-DPMLibraryIEPort

### Lock-DPMLibraryIEPort

Locks and loads the media present in the IE port.

Syntax

Parameter Set: Default  
Lock-DPMLibraryIEPort [-DPMLibrary] <Library> [-Async] [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Lock-DPMLibraryIEPort cmdlet locks and loads the media present in the IE port into the slot.

### Parameters

### -Async

Indicates that the cmdlet should run asynchronously. This is useful with cmdlets that take a long time to complete. The control returns to the user immediately after the operation starts. The progress of the operation is communicated to the user periodically. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | true (ByPropertyName) |
| Accept Wildcard Characters? | false |

### -DPMLibrary<Library>

Specify a DPM library object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue, ByPropertyName) |
| Accept Wildcard Characters? | false |

### -JobStateChangedEventHandler<JobStateChangedEventHandler>

Indicates that the status of the operation should be displayed to the user. The JobStateChangedEventHandler is used along with the -Async parameter. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Lock-DPMLibraryIEPort -detailed".

For technical information, type "Get-Help Lock-DPMLibraryIEPort -full".

### Examples

### EXAMPLE 1

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

Lock-DPMLibraryDoor -DPMLibrary $DPMLib

# New-DPMPGSet

### New-DPMPGSet

Creates a new DPM PG set.

Syntax

Parameter Set: Default  
New-DPMPGSet [[-DPMServerName] <String> ] [-Name] <String> [[-PGList] <ProtectionGroup[]> ] [[-WritePeriodUnit] <TimeUnit> ] [[-WritePeriodValue] <UInt32> ] [[-ExpiryToleranceUnit] <TimeUnit> ] [[-ExpiryToleranceValue] <UInt32> ] [-AllowDifferentRetentionPeriods] [ <CommonParameters>]

### Detailed Description

The New-DPMPGSet cmdlet creates a new DPM PG set.

### Parameters

### -AllowDifferentRetentionPeriods

Indicates if protection groups with different retention periods can be colocated to the same PG set.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ExpiryToleranceUnit<TimeUnit>

Specify the measurement unit for expiry tolerance.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 6 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ExpiryToleranceValue<UInt32>

Specify the maximum length of time for which an expired recovery point can remain on a tape until the tape is marked as expired.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 7 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Name<String>

Provide the name of the PG set.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PGList<ProtectionGroup[]>

Specify the list of protection groups to be added to the PG set.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -WritePeriodUnit<TimeUnit>

Specify the measurement unit for write period.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 4 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WritePeriodValue<UInt32>

Specify the length of time for which a tape is available for writing new backups. The tape is marked as Offsite Ready after this.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 5 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help New-DPMPGSet -detailed".

For technical information, type "Get-Help New-DPMPGSet -full".

# New-DPMProtectionGroup

### New-DPMProtectionGroup

Creates a new protection group on the DPM server.

Syntax

Parameter Set: Default  
New-DPMProtectionGroup [[-DPMServerName] <String> ] [[-Name] <String> ] [ <CommonParameters>]

### Detailed Description

The New-DPMProtectionGroup cmdlet creates a new protection group on the specified DPM server.

This is the first step towards creating a new protection group. This cmdlet returns a new protection group object on which you can perform the remaining steps required for creating a protection group. However, the protection group is not actually created until you run the Set-ProtectionGroup cmdlet.

Use the following cmdlets to create a new protection group, using one or more cmdlets from each step:

1. New-DPMProtectionGroup

2. Add-ChildDatasource, Remove-ChildDatasource, Set-DatasourceProtectionOption, Set-ProtectionJobStartTime

3. Set-ProtectionType

4. Set-ReplicaCreationMethod

5. Set-PolicyObjective, Set-PolicySchedule (Short term)

6. Get-DatasourceDiskAllocation

7. Set-DatasourceDiskAllocation

8. Set-PolicyObjective, Set-PolicySchedule (Long term)

9. Set-TapeBackupOption

10. Set-ProtectionGroup

Depending on your choice in a previous step, some steps might not be applicable. For example, if you set disk-based protection in step 3, steps 8 and 9 are not required.

It is important to remember that the protection group is created only after you run the Set-ProtectionGroup cmdlet, and until then the protection group exists only in the memory.

### Parameters

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Name<String>

Provide the name of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* ProtectionGroup

### Notes

* For more information, type "Get-Help New-DPMProtectionGroup -detailed".

For technical information, type "Get-Help New-DPMProtectionGroup -full".

### Examples

### EXAMPLE 1

This command creates an instance of a protection group named TrialPG in the memory of TestingServer. This is the first step in the creation of the protection group.

PS C:\>New-DPMProtectionGroup -DPMServerName "TestingServer" -Name "Trial PG"

# New-DPMRecoveryNotification

### New-DPMRecoveryNotification

Builds the notification object used for recovery.

Syntax

Parameter Set: Default  
New-DPMRecoveryNotification [-NotificationType] <NotificationType> [-NotificationIdList] <String[]> [ <CommonParameters>]

### Detailed Description

The New-DPMRecoveryNotification cmdlet builds the notification object used for recovery.

### Parameters

### -NotificationIdList<String[]>

Provide a list of IDs to which notifications must be sent. Currently DPM only supports e-mail notifications.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -NotificationType<NotificationType>

Indicates the type of notification. Currently DPM only supports e-mail notifications.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Notification

### Notes

* For more information, type "Get-Help New-DPMRecoveryNotification -detailed".

For technical information, type "Get-Help New-DPMRecoveryNotification -full".

### Examples

### EXAMPLE 1

This command creates a new email notification for an event.

PS C:\>New-DPMRecoveryNotification -NotificationType email -NotificationIdList mailme@mytestingdomain.com.

# New-DPMRecoveryOption

### New-DPMRecoveryOption

Allows setting of recovery options for various servers.

Syntax

Parameter Set: ClientDatasourceRecoveryOption  
New-DPMRecoveryOption [-TargetServer] <String> [-RecoveryLocation] <RecoveryLocation> -ClientDatasource -OverwriteType {Overwrite | NoOverwrite | CopyOnExist} -RecoveryType {Recover | Restore} [-AlternateLocation <String> ] [-DPMLibrary <Library> ] [-RecoverToReplicaFromTape <Boolean> ] [-RestoreSecurity] [-SANRecovery] [ <CommonParameters>]  
  
Parameter Set: E14RecoveryOption  
New-DPMRecoveryOption [-RecoveryLocation] <RecoveryLocation> [-TargetServer] <String> -E14Datasource -ExchangeOperationType <ExchangeOperationType> -RecoveryType {Recover | Restore} [-AlternateDatabase <String> ] [-DPMLibrary <Library> ] [-IsRecoveryDatabase] [-MountDatabaseAfterRestore] [-RecoverToReplicaFromTape <Boolean> ] [-RestoreSecurity] [-RollForwardRecovery] [-SANRecovery] [-TargetLocation <String> ] [ <CommonParameters>]  
  
Parameter Set: ExchangeRecoveryOption  
New-DPMRecoveryOption [-TargetServer] <String> [-RecoveryLocation] <RecoveryLocation> -Exchange -ExchangeOperationType <ExchangeOperationType> -RecoveryType {Recover | Restore} [-AlternateDatabase <String> ] [-AlternateStorageGroup <String> ] [-DatabaseName <String> ] [-DPMLibrary <Library> ] [-IsRecoveryStorageGroup] [-MailboxDisplayName <String> ] [-MountDatabaseAfterRestore] [-RecoverToReplicaFromTape <Boolean> ] [-RestoreSecurity] [-RollForwardRecovery] [-SANRecovery] [-StorageGroupName <String> ] [-TargetLocation <String> ] [ <CommonParameters>]  
  
Parameter Set: FsRecoveryOption  
New-DPMRecoveryOption [-TargetServer] <String> [-RecoveryLocation] <RecoveryLocation> -FileSystem -OverwriteType {Overwrite | NoOverwrite | CopyOnExist} -RecoveryType {Recover | Restore} [-AlternateLocation <String> ] [-DPMLibrary <Library> ] [-RecoverToReplicaFromTape <Boolean> ] [-RestoreSecurity] [-SANRecovery] [ <CommonParameters>]  
  
Parameter Set: GenericDatasourceRecoveryOption  
New-DPMRecoveryOption [-TargetServer] <String> [-RecoveryLocation] <RecoveryLocation> -GenericDatasource -RecoveryType {Recover | Restore} [-DPMLibrary <Library> ] [-RecoverToReplicaFromTape <Boolean> ] [-RestoreSecurity] [-SANRecovery] [-TargetLocation <String> ] [ <CommonParameters>]  
  
Parameter Set: HyperVDatasourceRecoveryOption  
New-DPMRecoveryOption [-TargetServer] <String> [-RecoveryLocation] <RecoveryLocation> -HyperVDatasource -RecoveryType {Recover | Restore} [-DPMLibrary <Library> ] [-RecoverToReplicaFromTape <Boolean> ] [-RestoreSecurity] [-SANRecovery] [-TargetLocation <String> ] [ <CommonParameters>]  
  
Parameter Set: RecoverToDpm  
New-DPMRecoveryOption [-TargetServer] <String> [-RecoveryLocation] <RecoveryLocation> -PrimaryDpmServer [-DPMLibrary <Library> ] [-RecoverToReplicaFromTape <Boolean> ] [ <CommonParameters>]  
  
Parameter Set: SharePointRecoveryOption  
New-DPMRecoveryOption [-TargetServer] <String> [-RecoveryLocation] <RecoveryLocation> -RecoveryType {Recover | Restore} -SharePoint [-DPMLibrary <Library> ] [-RecoverToReplicaFromTape <Boolean> ] [-RestoreSecurity] [-SANRecovery] [-TargetLocation <String> ] [ <CommonParameters>]  
  
Parameter Set: SharePointSiteRecoveryOption  
New-DPMRecoveryOption [-TargetServer] <String> [-RecoveryLocation] <RecoveryLocation> -DatabaseFileTempLocation <String> -ExportFileTempLocation <String> -IntermediateServer <String> -IntermediateSqlInstance <String> -RecoveryType {Recover | Restore} -SharePointSite [-DPMLibrary <Library> ] [-ItemLevelRecoveryType {RecoveryFarm | UnattachedInstance} ] [-RecoverToReplicaFromTape <Boolean> ] [-RestoreSecurity] [-SANRecovery] [-TargetLocation <String> ] [-TargetSiteUrl <String> ] [ <CommonParameters>]  
  
Parameter Set: SQLRecoveryOption  
New-DPMRecoveryOption [-TargetServer] <String> [-RecoveryLocation] <RecoveryLocation> -RecoveryType {Recover | Restore} -SQL [-AlternateDatabaseDetails <AlternateDatabaseDetailsType> ] [-CopyLogFiles] [-DPMLibrary <Library> ] [-LeaveDBInRestoringState] [-LogFileCopyLocation <String> ] [-RecoverToReplicaFromTape <Boolean> ] [-RestoreSecurity] [-RollForwardRecovery] [-SANRecovery] [-TargetLocation <String> ] [ <CommonParameters>]  
  
Parameter Set: StagingAreaRestoreOption  
New-DPMRecoveryOption [[-DPMServerName] <String> ] [-StagingAreaPath] <String> [-DestinationServerName] <String> [-DestinationPath] <String> [-DatasourceName] <String> [-OverwriteType] {Overwrite | NoOverwrite | CopyOnExist} [[-RestoreSecurity]] -DPMComponentName <Guid> [-DPMLibrary <Library> ] [-FileSystemDatasource] [-RecoverToReplicaFromTape <Boolean> ] [ <CommonParameters>]  
  
Parameter Set: SystemProtectionRecoveryOption  
New-DPMRecoveryOption [-TargetServer] <String> [-RecoveryLocation] <RecoveryLocation> -RecoveryType {Recover | Restore} -SystemProtectionDatasource [-DPMLibrary <Library> ] [-RecoverToReplicaFromTape <Boolean> ] [-RestoreSecurity] [-SANRecovery] [-TargetLocation <String> ] [ <CommonParameters>]

### Detailed Description

The New-DPMRecoveryOption cmdlet allows setting of recovery options for file servers, Exchange, SharePoint servers, SharePoint sites, SQL servers and other data sources.

### Parameters

### -AlternateDatabase<String>

Specify an alternate database for recovery.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -AlternateDatabaseDetails<AlternateDatabaseDetailsType>

Specify the type of database.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -AlternateLocation<String>

Specify an alternate location to which a recovery point must be made.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -AlternateStorageGroup<String>

Specify an alternate storage group for a new recovery point.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ClientDatasource

Indicates whether the data being restored is a file system or an application.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -CopyLogFiles

Indicates that the log files have to be copied.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DatabaseFileTempLocation<String>

Specify a temporary location for the database file.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DatabaseName<String>

Specify the name of the database

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DatasourceName<String>

Specify the name of the data source.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 5 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DestinationPath<String>

Specify the recovery location.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 4 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DestinationServerName<String>

Specify the name of the server to which data will be recovered.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMComponentName<Guid>

Provide the GUID of the data source you are recovering.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMLibrary<Library>

Provide a DPM library object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -E14Datasource

Indicates that the data source is from Exchange Server 2010.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Exchange

Indicates that the current operation is being performed on a Microsoft Exchange data source.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ExchangeOperationType<ExchangeOperationType>

Indicates the type of operation to be carried out. The valid values are NoOperation, MailBoxLevelRecovery, and NeedCleanShutdown.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ExportFileTempLocation<String>

Specify the location of the export file.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -FileSystem

Indicates that the operation is performed on a file system data source.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -FileSystemDatasource

Indicates that you are recovering a file system data source.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -GenericDatasource

Indicates that the current operation is being performed on a data source like Microsoft Virtual Server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -HyperVDatasource

Indicates a Hyper-V data source.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -IntermediateServer<String>

Specify the server to use during SharePoint site recovery. It should have a SharePoint farm installed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -IntermediateSqlInstance<String>

Specify a SQL Server instance to use during SharePoint site recovery. It is used to temporarily host a SQL Server database.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -IsRecoveryDatabase

Indicates that the database is a recovery database.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -IsRecoveryStorageGroup

Indicates whether the recovery is a recovery storage group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ItemLevelRecoveryType<SharepointRecoveryType>

Specify the recovery type.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| RecoveryFarm |  |
| UnattachedInstance |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -LeaveDBInRestoringState

Indicates whether the database should be left non-operational but in a restorable state. If you use the parameter, it indicates that the database should be left operational.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -LogFileCopyLocation<String>

Specify the location to which the log files must be copied.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -MailboxDisplayName<String>

Provide a name to be displayed on the mailbox.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -MountDatabaseAfterRestore

Indicates that the database should be automatically mounted after restore.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -OverwriteType<OverwriteType>

Indicates the action to be taken when the file being recovered already exists. The possible values are CreateCopy, Skip, and Overwrite.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| Overwrite |  |
| NoOverwrite |  |
| CopyOnExist |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PrimaryDpmServer

Indicates that the recovery is to a DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RecoverToReplicaFromTape<Boolean>

Indicates that recovery to the replica must happen from a tape.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RecoveryLocation<RecoveryLocation>

Indicates the location to which data is recoved. The valid values are OriginalServer, CopyToFolder, OriginalServerWithDBRename, AlternateExchangeServer, and ExchangeServerDatabase.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RecoveryType<RecoveryType>

Indicates that the recovery type is Recover or Restore. For Hyper-V, you can only use Recover.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| Recover |  |
| Restore |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RestoreSecurity

Indicates the security settings to use during a restore operation.

This is a switch parameter. When you use the -RestoreSecurity parameter in the cmdlet, it indicates that the security settings from the recovery point will be used. If the -RestoreSecurity parameter is not used, it indicates that the security settings of the destination server will be used.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RollForwardRecovery

Indicates that the application should be recovered from the latest recovery point and that all logs after that recovery point should be applied to bring the application to the latest state.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -SANRecovery

Indicates that the current operation is being performed on a Storage Area Network (SAN) data source.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -SharePoint

Indicates that the current operation is being performed on a SharePoint data source.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -SharePointSite

Indicates that the operation is being carried out on a SharePoint site.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -SQL

Indicates that the current operation is being performed on a SQL Server data source.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -StagingAreaPath<String>

Specify the path to the staging area.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -StorageGroupName<String>

Specify the name of the storage group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -SystemProtectionDatasource

Indicates a system protection data source.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -TargetLocation<String>

Specify the location where the replica must be stored.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -TargetServer<String>

Specify the target server for recovery.

When using the New-DPMRecoveryOption cmdlet in a clustered environment, the target server parameter should be in the following format - ResourceGroupName.ClusterName.DomainName.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -TargetSiteUrl<String>

Specify the URL to which recovery must be made.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* RecoveryOption

### Notes

* For more information, type "Get-Help New-DPMRecoveryOption -detailed".

For technical information, type "Get-Help New-DPMRecoveryOption -full".

### Examples

### -------------------------- EXAMPLE 1 --------------------------

This command recovers the file system to test.domain.com and restores the original security settings.

PS C:\> New-DPMRecoveryOption -TargetServer test.contoso.com -RecoveryLocation copytofolder -FileSystem -AlternateLocation "f:\restore" -OverwriteType overwrite -RestoreSecurity -RecoveryType Restore

### -------------------------- EXAMPLE 2 --------------------------

The example outlines the sequence of commands to recover a file server using the replica.

PS C:\>$dpmserver = connect-DPMServer DPMServer1

PS C:\> $ps = Get-ProductionServer DPMServer1

PS C:\> $ds = Get-Datasource $ps

PS C:\> $dl = Get-DPMLibrary DPMServer1

PS C:\> $rp = Get-RecoveryPoint $ds

PS C:\> $rop = New-DPMRecoveryOption -Filesystem -RecoverToReplicaFromTape 1 -RecoveryLocation DPMReplicaVolume -DPMLibrary $dl[0] -Targetserver DPMServer1 -overwritetype overwrite

### -------------------------- EXAMPLE 3 --------------------------

In this example, you set the options for a recovery point to recover from a replica on tape to the specified recovery location.

PS C:\> $pg = Get-ProtectionGroup

PS C:\> $ds = Get-Datasource $pg

PS C:\> $rp = Get-RecoveryPoint -Datasource $ds

PS C:\> $lib = Get-DPMLibrary

PS C:\> $rop = New-DPMRecoveryOption -RecoverToReplicaFromTape 1 -RecoveryLocation DPMReplicaVolume -FileSystem -TargetServer DPMTestServer -OverwriteType Overwrite -RecoveryType Recover -DpmLibrary $lib

PS C:\> Recover-RecoverableItem -RecoverableItem $rp -RecoveryOption $rop

# New-DPMRecoveryPoint

### New-DPMRecoveryPoint

Creates a new recovery point for the data source.

Syntax

Parameter Set: ApplicationOnDisk  
New-DPMRecoveryPoint [-Datasource] <Datasource[]> -Disk [-AdhocJobsContext <AdhocJobsContext> ] [-BackupType <BackupType> ] [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-WithDataIntegrityCheck] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: FileSystemOnDisk  
New-DPMRecoveryPoint [-Datasource] <Datasource[]> -Disk -DiskRecoveryPointOption <CreateDiskRecoveryPointOption> [-AdhocJobsContext <AdhocJobsContext> ] [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-WithDataIntegrityCheck] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: LongTermCloud  
New-DPMRecoveryPoint [-Datasource] <Datasource[]> -Online [-AdhocJobsContext <AdhocJobsContext> ] [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: TapeData  
New-DPMRecoveryPoint [-Datasource] <Datasource[]> -ProtectionType <ProtectionType> -Tape [-AdhocJobsContext <AdhocJobsContext> ] [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The New-DPMRecoveryPoint cmdlets creates a new recovery point for the data source.

The valid values for ProtectionType are ShortTerm and LongTerm.

### Parameters

### -AdhocJobsContext<AdhocJobsContext>

Returns the context details of the adhoc job. Required only in UI, do not use from PowerShell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -BackupType<BackupType>

Indicates the type of backup. The valid values are ExpressFull and Incremental.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Datasource<Datasource[]>

Provide a Windows file system share or volume, Microsoft SQL Server database, Microsoft Exchange storage group, Microsoft SharePoint farm, Microsoft Virtual Machine, DPM database, or system state that is a member of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Disk

Indicates that the operation must be performed on a disk.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DiskRecoveryPointOption<CreateDiskRecoveryPointOption>

Indicates whether a recovery point should be created while synchronizing, or whether only synchronization should occur. The valid values are WithSynchronize, WithoutSynchronize, and OnlySynchronize.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -JobStateChangedEventHandler<JobStateChangedEventHandler>

Indicates that the status of the operation should be displayed to the user. The JobStateChangedEventHandler is used along with the -Async parameter. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Online

Indicates online protection.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionType<ProtectionType>

Indicates the type of protection.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Tape

Indicates a tape object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WithDataIntegrityCheck

Indicates that data integrity check must be done during recovery.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Job

### Notes

* For more information, type "Get-Help New-DPMRecoveryPoint -detailed".

For technical information, type "Get-Help New-DPMRecoveryPoint -full".

### Examples

### EXAMPLE 1

This command runs an Expressfull backup and creates a recovery point.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

$ds = Get-Datasource -ProtectionGroup $pg

New-DPMRecoveryPoint -Datasource $ds -Disk -BackupType expressfull

### EXAMPLE 2

This command synchronizes and then creates a new recovery point for the datasource on disk.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

$ds = Get-Datasource -ProtectionGroup $pg

New-DPMRecoveryPoint -Datasource $ds -Disk -DiskRecoveryPointOption withsynchronize

### EXAMPLE 3

This command creates a new recovery point for the data source on a tape with type set to short-term.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

$ds = Get-Datasource -ProtectionGroup $pg

New-DPMRecoveryPoint -Datasource $ds -Tape -ProtectionType ShortTerm

# New-DPMRecoveryTarget

### New-DPMRecoveryTarget

Allows you to create a new recovery target object.

Syntax

Parameter Set: Restricted  
New-DPMRecoveryTarget [-Type] {SqlDatabase | SqlInstance | Client} [-RecoveryTarget] <String> [-RecoveredFilesPath] <String> [ <CommonParameters>]  
  
Parameter Set: Unrestricted  
New-DPMRecoveryTarget [-Type] {SqlDatabase | SqlInstance | Client} [-RecoveryTarget] <String> [-Unrestricted] [ <CommonParameters>]

### Detailed Description

The New-DPMRecoveryTarget cmdlet allows you to create a new recovery target object.

### Parameters

### -RecoveredFilesPath<String>

Specifies the folder on the SQL Server recovery instance that the user has permissions to recover in case of alternate instance recovery.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RecoveryTarget<String>

Specify the SQL Server instance where you want to allow alternate instance recovery.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Type<AmDatasourceType>

Indicates whether you are providing a SQL Server instance or SQL Server database to the cmdlet.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| SqlDatabase |  |
| SqlInstance |  |
| Client |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Unrestricted

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help New-DPMRecoveryTarget -detailed".

For technical information, type "Get-Help New-DPMRecoveryTarget -full".

# New-DPMRole

### New-DPMRole

Allows you to define a new DPM role.

Syntax

Parameter Set: Default  
New-DPMRole [[-DPMServerName] <String> ] [-Name] <String> [[-Description] <String> ] [ <CommonParameters>]

### Detailed Description

The New-DPMRole cmdlet allows you to define a new DPM role.

### Parameters

### -Description<String>

Provide a description of the DPM role.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Name<String>

Specify a name for the role.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help New-DPMRole -detailed".

For technical information, type "Get-Help New-DPMRole -full".

# New-DPMSearchOption

### New-DPMSearchOption

Builds an object with the search options to search for a particular string within the set of specified recovery points.

Syntax

Parameter Set: Default  
New-DPMSearchOption [-FromRecoveryPoint] <DateTime> [-ToRecoveryPoint] <DateTime> [-SearchDetail] <SearchForDetail> [-SearchType] <SearchFilterType> [-SearchString] <String> [-Location <String> ] [-Recursive] [ <CommonParameters>]

### Detailed Description

The New-DPMSearchOption builds an object with the search options to search for a particular string within the set of specified recovery points.

Use this object within the Get-RecoverableItem to perform the actual search.

### Parameters

### -FromRecoveryPoint<DateTime>

Indicates the first date of the range within which to search the recovery points.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Location<String>

Specify the location of the recovery point.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Recursive

Indicates whether the search should be recursive. If this parameter is not used, search will be performed at only one level.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -SearchDetail<SearchForDetail>

Indicates what type of object to search for. The valid values are: FilesFolders, MailboxByAlias, MailboxByDisplayName, WssSite, and WssDocuments.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -SearchString<String>

Specifies the string to search for.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 5 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -SearchType<SearchFilterType>

Indicates the type of comparison to be used for the search. The valid values are: startsWith, contains, endsWith and exactMatch.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 4 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ToRecoveryPoint<DateTime>

Indicates the last date of the range within which to search the recovery points.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* SearchOption

### Notes

* For more information, type "Get-Help New-DPMSearchOption -detailed".

For technical information, type "Get-Help New-DPMSearchOption -full".

### Examples

### EXAMPLE 1

This command searches for string "tobe" and returns the recovery points between 11 September 2009 and 28 September 2009 that contain the string.

PS C:\>New-DPMSearchOption -FromRecoveryPoint "11 September 2009" -ToRecoveryPoint "28 September 2009" -SearchDetail filesfolders -SearchType contains -Recursive -SearchString tobe -Location "d:\"

# New-DPMServerScope

### New-DPMServerScope

Creates a scope object that is used by the Connect-DPMServer cmdlet to create a scoped DPM connection.

Syntax

Parameter Set: Default  
New-DPMServerScope [[-DPMServerName] <String> ] [-ObjectType] {DpmServer | Datasource | ProtectionGroup | ProductionServer | Disk | Volume | Library | Drive | AdhocAction} [-ObjectId] <String[]> [-AlertType {RestoreDBAlert | NullType | AgentIncompatibleAlert | AgentUnreachableAlert | MediaVerificationFailedAlert | MediaEraseFailedAlert | DetailedInventoryFailedAlert | MediaDecommissionedAlert | MediaDataEraseAlert | FreeMediaThresholdAlert | DataSetCopyFailedAlert | BackupToTapeFailedAlert | BackupToTapeCatalogFailedAlert | LibraryDriveAlert | LibraryNotAvailableAlert | LibraryNotWorkingEfficientlyAlert | MediaRequiredAlert | ReplicaInitializationInProgressAlert | SynchronizationFailedAlert | StopProtectionFailedAlert | RecoveryInProgressAlert | RecoveryPartiallySuccessfulAlert | RecoverySuccessfulAlert | RecoveryFailedAlert | ShadowCopyFailedAlert | ReplicaInMissingStateAlert | ReplicaInInvalidStateAlert | PartialDeployedClusterAlert | AgentTaskFailAlert | SqmOptInAlert | DiskThresholdCrossedAlert | VerificationInProgressAlert | DiskMissingAlert | CatalogThresholdCrossedAlert | DatasetDataVerificationFailed | SCDiskThresholdCrossedAlert | ConfigureProtectionFailedAlert | ReplicaManualLoadPendingAlert | ReplicaInitializationPendingAlert | CertificateExpiringAlert | EvalShareInquiryAlert | ShadowCopyConsolidationRequired | PathChangedForShareAlert | BackupMetadataEnumerationFailedAlert | DuplicateDisksDetectedAlert | DataCorruptionDetectedAlert | DataCorruptionDetectedDuringReadAlert | StagingAreaRestoreInProgressAlert | StagingAreaRestorePartiallySuccessfulAlert | StagingAreaRestoreSuccessfulAlert | StagingAreaRestoreFailedAlert | AgentOwnershipRequiredAlert | AutoInstanceProtectionFailedAlert | AgentAttachFailedAlert | BackupSLAFailedAlert | DpmoRPCreationFailureAlert | DOCVolumeMissing | SharepointROAddedAlert | SharepointRORemovedAlert | PartialBackupSuccessAlert | GlobalDbNotAvailable | LibraryDevicesDisabledAlert | LdmWarningThresholdReachedAlert | LdmErrorThresholdReachedAlert | CertificateExpiryWarningAlert | CertificateExpiryErrorAlert | RecoveryFailedWarningAlert | ExternalAlert | OnlineBackupServiceUnreachableAlert | OnlineBackupPoliciesInconsistentAlert | CloudBackupFailedAlert | PartialCloudBackupSuccessAlert} ] [-DetailedErrorId <Int32> ] [-ErrorId <Int32> ] [ <CommonParameters>]

### Detailed Description

The New-DPMServerScope cmdlet creates a scope object that is used by the Connect-DPMServer cmdlet to create a scoped DPM connection.

### Parameters

### -AlertType<AlertEnum>

Indicates the type of alerts to which the connection must be scoped.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| RestoreDBAlert |  |
| NullType |  |
| AgentIncompatibleAlert |  |
| AgentUnreachableAlert |  |
| MediaVerificationFailedAlert |  |
| MediaEraseFailedAlert |  |
| DetailedInventoryFailedAlert |  |
| MediaDecommissionedAlert |  |
| MediaDataEraseAlert |  |
| FreeMediaThresholdAlert |  |
| DataSetCopyFailedAlert |  |
| BackupToTapeFailedAlert |  |
| BackupToTapeCatalogFailedAlert |  |
| LibraryDriveAlert |  |
| LibraryNotAvailableAlert |  |
| LibraryNotWorkingEfficientlyAlert |  |
| MediaRequiredAlert |  |
| ReplicaInitializationInProgressAlert |  |
| SynchronizationFailedAlert |  |
| StopProtectionFailedAlert |  |
| RecoveryInProgressAlert |  |
| RecoveryPartiallySuccessfulAlert |  |
| RecoverySuccessfulAlert |  |
| RecoveryFailedAlert |  |
| ShadowCopyFailedAlert |  |
| ReplicaInMissingStateAlert |  |
| ReplicaInInvalidStateAlert |  |
| PartialDeployedClusterAlert |  |
| AgentTaskFailAlert |  |
| SqmOptInAlert |  |
| DiskThresholdCrossedAlert |  |
| VerificationInProgressAlert |  |
| DiskMissingAlert |  |
| CatalogThresholdCrossedAlert |  |
| DatasetDataVerificationFailed |  |
| SCDiskThresholdCrossedAlert |  |
| ConfigureProtectionFailedAlert |  |
| ReplicaManualLoadPendingAlert |  |
| ReplicaInitializationPendingAlert |  |
| CertificateExpiringAlert |  |
| EvalShareInquiryAlert |  |
| ShadowCopyConsolidationRequired |  |
| PathChangedForShareAlert |  |
| BackupMetadataEnumerationFailedAlert |  |
| DuplicateDisksDetectedAlert |  |
| DataCorruptionDetectedAlert |  |
| DataCorruptionDetectedDuringReadAlert |  |
| StagingAreaRestoreInProgressAlert |  |
| StagingAreaRestorePartiallySuccessfulAlert |  |
| StagingAreaRestoreSuccessfulAlert |  |
| StagingAreaRestoreFailedAlert |  |
| AgentOwnershipRequiredAlert |  |
| AutoInstanceProtectionFailedAlert |  |
| AgentAttachFailedAlert |  |
| BackupSLAFailedAlert |  |
| DpmoRPCreationFailureAlert |  |
| DOCVolumeMissing |  |
| SharepointROAddedAlert |  |
| SharepointRORemovedAlert |  |
| PartialBackupSuccessAlert |  |
| GlobalDbNotAvailable |  |
| LibraryDevicesDisabledAlert |  |
| LdmWarningThresholdReachedAlert |  |
| LdmErrorThresholdReachedAlert |  |
| CertificateExpiryWarningAlert |  |
| CertificateExpiryErrorAlert |  |
| RecoveryFailedWarningAlert |  |
| ExternalAlert |  |
| OnlineBackupServiceUnreachableAlert |  |
| OnlineBackupPoliciesInconsistentAlert |  |
| CloudBackupFailedAlert |  |
| PartialCloudBackupSuccessAlert |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DetailedErrorId<Int32>

The detailed error id of the alerts.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ErrorId<Int32>

Specify the error id of the alerts.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ObjectId<String[]>

Specify the unique identifiers for objects to which the connection should be scoped. The following are the object types and their unique identifiers:

Datasource - DatasourceID

ProtectionGroup - ProtectionGroupID/ProtectionGroupName

ProductionServer - ProductionServerID/ProductionServerName

Disk - DiskID

Volume - VolumeID

Library - LibraryID

Drive - DriveID

AdhocAction - ActionID

DPMServer - DPMServerName

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ObjectType<ScopedObjectType>

Describes the type of objects defined in ObjectId.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| DpmServer |  |
| Datasource |  |
| ProtectionGroup |  |
| ProductionServer |  |
| Disk |  |
| Volume |  |
| Library |  |
| Drive |  |
| AdhocAction |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help New-DPMServerScope -detailed".

For technical information, type "Get-Help New-DPMServerScope -full".

### Examples

### EXAMPLE 1

This command creates a connection to the DPM server TestingServer which is scoped to the protection group Protection Group1.

PS C:\>$Scope=New-DPMServerScope -DPMServerName "TestingServer" -ObjectType ProtectionGroup -ObjectID "Protection Group1"

$DPMServer=Connect-DPMServer -DPMServerScope $Scope

### EXAMPLE 2

This command creates a connection to DPM server TestingServer which is scoped to the data source with id 70fd1133-1bab-4178-8e8c-24d928b6b16c. The alerts in the connection are scoped to the alert type BackupToTapeFailedAlert which error id 3113 and detailed error id 910.

PS C:\>$Scope=New-DPMServerScope -DPMServerName "TestingServer" -ObjectType Datasource -ObjectID 70fd1133-1bab-4178-8e8c-24d928b6b16c -AlertType BackupToTapeFailedAlert -ErrorID 3113 -DetailedErrorID 910

$DPMServer=Connect-DPMServer -DPMServerScope $Scope

# Remove-DPMBackupNetworkAddress

### Remove-DPMBackupNetworkAddress

Stops the DPM server from trying to use the specified network.

Syntax

Parameter Set: Default  
Remove-DPMBackupNetworkAddress [[-DPMServerName] <String> ] [-Address] <String> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Remove-DPMBackupNetworkAddress cmdlet from using only the specified backup network.

### Parameters

### -Address<String>

Specify the IP address or subnet mask of the network.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Remove-BackupNetworkAddess -detailed".

For technical information, type "Get-Help Remove-BackupNetworkAddess -full".

### Examples

### EXAMPLE 1

This command removes the network address 10.10.10.1 as the backup network address for the server TestingServer.

PS C:\>Remove- BackupNetworkAddress -DpmServername TestingServer -Address 10.10.10.1/16

# Remove-DPMChildDatasource

### Remove-DPMChildDatasource

Removes a data source or child data source from a protection group.

Syntax

Parameter Set: StopProtection  
Remove-DPMChildDatasource [-ProtectionGroup] <ProtectionGroup> [-ChildDatasource] <ProtectableObject[]> [-KeepDiskData] [-KeepOnlineData] [-KeepTapeData] [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: RejectCloud  
Remove-DPMChildDatasource [-ProtectionGroup] <ProtectionGroup> [-ChildDatasource] <ProtectableObject[]> [-Online] [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Remove-DPMChildDatasource cmdlet removes a data source or child data source from a protection group. A child data source can refer to files, or folders on a protected volume.

If you remove a data source using the Remove-Datasource cmdlet, it is equivalent to setting an exclusion.

### Parameters

### -ChildDatasource<ProtectableObject[]>

Provide a data source that can be protected individually. For example, a folder in a file system.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -KeepDiskData

Indicates that the data should be retained on a disk.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -KeepOnlineData

Indicates that the replicas should be retained even after protection has been stopped. This requires –KeepDiskData to be enabled.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -KeepTapeData

Indicates that the existing data should be retained on a tape.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Online

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output. Using the PassThru parameter allows such cmdlets to be part of a pipeline.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Provide a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* ProtectionGroup

### Notes

* For more information, type "Get-Help Remove-DPMChildDatasource -detailed".

For technical information, type "Get-Help Remove-DPMChildDatasource-full".

### Examples

### EXAMPLE 1

This command removes the ninth child data source stored in the parent data source.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName "TestingServer"

$mpg=Get-ModifiableProtectionGroup $pg[0]

$po = Get-Datasource -ProtectionGroup $pg

Remove-DPMChildDatasource -ProtectionGroup $mpg -ChildDatasource $po[8]

# Remove-DPMDatasourceReplica

### Remove-DPMDatasourceReplica

Removes an inactive replica

Syntax

Parameter Set: Disk  
Remove-DPMDatasourceReplica [-Datasource] <Datasource> -Disk [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: Online  
Remove-DPMDatasourceReplica [-Datasource] <Datasource> -Online [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: Tape  
Remove-DPMDatasourceReplica [-Datasource] <Datasource> -Tape [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Remove-DPMDatasourceReplica cmdlet removes an inactive replica. You can indicate whether the replica is on disk or tape by using the -Disk or -Tape parameters.

### Parameters

### -Datasource<Datasource>

Provide a Windows file system share or volume, Microsoft SQL Server database, Microsoft Exchange storage group, Microsoft SharePoint farm, Microsoft Virtual Machine, DPM database, or system state that is a member of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Disk

Indicates that the operation must be performed on a disk.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Online

Indicates online protection.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output. Using the PassThru parameter allows such cmdlets to be part of a pipeline.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Tape

Indicates a tape object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Remove-DPMDatasourceReplica -detailed".

For technical information, type "Get-Help Remove-DPMDatasourceReplica -full".

### Examples

### EXAMPLE 1

This command removes a replica of the data source from disk.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName "TestingServer"

$ds = Get-Datasource -ProtectionGroup $pg

Remove-DPMDatasourceReplica -Datasource $ds -Disk

# Remove-DPMDisk

### Remove-DPMDisk

Removes a disk from the storage pool.

Syntax

Parameter Set: Default  
Remove-DPMDisk [-DPMDisk] <Disk[]> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Remove-DPMDisk cmdlet removes a disk from the storage pool.

### Parameters

### -DPMDisk<Disk[]>

Specify a disk that is part of a storage pool.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Disk

### Notes

* For more information, type "Get-Help Remove-DPMDisk -detailed".

For technical information, type "Get-Help Remove-DPMDisk -full".

### Examples

### EXAMPLE 1

This command removes the disk object in $DPMDisk from the server.

PS C:\>$DPMDisk = Get-DPMDisk -DPMServerName TestingServer

Remove-DPMDisk -DPMDisk $DPMDisk

# Remove-DPMObject

### Remove-DPMObject

Removes a DPM object.

Syntax

Parameter Set: Default  
Remove-DPMObject [-DPMObject] <IDisposable> [ <CommonParameters>]

### Detailed Description

The Remove-DPMObject cmdlet removes or clears a DPM object.

### Parameters

### -DPMObject<IDisposable>

Specify a DPM object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Examples

### Example

Clears the DPMObject $pg.

PS C:\> Remove-DPMObject $pg

# Remove-DPMPGSet

### Remove-DPMPGSet

Deletes a protection group set.

Syntax

Parameter Set: Default  
Remove-DPMPGSet [-PGSet] <PGSet> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

This cmdlet deletes the specified protection group set.

### Parameters

### -PGSet<PGSet>

Specify the PG set object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Remove-DPMPGSet -detailed".

For technical information, type "Get-Help Remove-DPMPGSet -full".

# Remove-DPMRecoveryItem

### Remove-DPMRecoveryItem

Allows you to remove a recovery item from the list that a DPM role could recover.

Syntax

Parameter Set: All  
Remove-DPMRecoveryItem [-DpmRole] <DpmRole> [-Type] {SqlDatabase | SqlInstance | Client} [-All] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: Datasources  
Remove-DPMRecoveryItem [-DpmRole] <DpmRole> [-Type] {SqlDatabase | SqlInstance | Client} [-Datasources] <SQLDataSource[]> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: SqlInstances  
Remove-DPMRecoveryItem [-DpmRole] <DpmRole> [-Type] {SqlDatabase | SqlInstance | Client} [-SqlInstances] <String[]> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Remove-DPMRecoveryItem cmdlet allows you to remove a recovery item from the list that a DPM role could recover.

You must provide the name of at least one SQL instance even if you are using the –All parameter.

### Parameters

### -All

Indicates that the action will affect all objects that the cmdlet refers to.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Datasources<SQLDataSource[]>

Specify the SQL Server databases that you want to add or remove from the DPM role.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DpmRole<DpmRole>

Provide a DPM role for SQL Server end-user recovery.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -SqlInstances<String[]>

Specify the SQL Server instances that you want to enable end-user recovery on.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Type<AmDatasourceType>

Indicates whether you are providing a SQL Server instance or SQL Server database to the cmdlet.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| SqlDatabase |  |
| SqlInstance |  |
| Client |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Remove-DPMRecoveryItem -detailed".

For technical information, type "Get-Help Remove-DPMRecoveryItem -full".

# Remove-DPMRecoveryPoint

### Remove-DPMRecoveryPoint

Removes a recovery point from tape or disk.

Syntax

Parameter Set: Default  
Remove-DPMRecoveryPoint [-RecoveryPoint] <RecoverySource> [-ForceDeletion] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Remove-DPMRecoveryPoint removes a recovery point from tape or disk.

If a recovery point exists in multiple location, for e.g. on disk and tape, or two tapes, then use the Get-RecoveryPointLocation to get the location of the recovery point.

### Parameters

### -ForceDeletion

Indicates that the data source will be pruned even if a backup job is currently running.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RecoveryPoint<RecoverySource>

Specify the recovery point to use.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Remove-DPMRecoveryPoint -detailed".

For technical information, type "Get-Help Remove-DPMRecoveryPoint -full".

### Examples

### EXAMPLE 1

This command removes all the recovery points for a datasource.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

$ds = Get-Datasource -ProtectionGroup $pg

$rp = Get-RecoveryPoint -Datasource $ds

Remove-DPMRecoveryPoint -RecoveryPoint $rp

# Remove-DPMRecoveryTarget

### Remove-DPMRecoveryTarget

Allows you to revoke permissions to a location for a DPM role.

Syntax

Parameter Set: Default  
Remove-DPMRecoveryTarget [-DpmRole] <DpmRole> [-Type] {SqlDatabase | SqlInstance | Client} [[-RecoveryTargets] <String[]> ] [-All] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Remove-DPMRecoveryTarget cmdlet allows you to revoke permissions to a location for a DPM role.

### Parameters

### -All

Indicates that the action will affect all objects that the cmdlet refers to.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DpmRole<DpmRole>

Provide a DPM role for SQL Server end-user recovery.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RecoveryTargets<String[]>

Specify the SQL Server instance and the folder to which alternate instance recovery is allowed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Type<AmDatasourceType>

Indicates whether you are providing a SQL Server instance or SQL Server database to the cmdlet.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| SqlDatabase |  |
| SqlInstance |  |
| Client |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Remove-DPMRecoveryTarget -detailed".

For technical information, type "Get-Help Remove-DPMRecoveryTarget -full".

# Remove-DPMRole

### Remove-DPMRole

Allows you to delete an existing DPM role.

Syntax

Parameter Set: Default  
Remove-DPMRole [-DpmRole] <DpmRole> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Remove-DPMRole cmdlet allows you to delete an existing DPM role.

### Parameters

### -DpmRole<DpmRole>

Provide a DPM role for SQL Server end-user recovery.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Remove-DPMRole -detailed".

For technical information, type "Get-Help Remove-DPMRole -full".

# Remove-DPMSecurityGroup

### Remove-DPMSecurityGroup

Allows you to remove a security group from a DPM role.

Syntax

Parameter Set: Default  
Remove-DPMSecurityGroup [-DpmRole] <DpmRole> [[-SecurityGroups] <String[]> ] [-All] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Remove-DPMSecurityGroup cmdlet allows you to remove a security group from a DPM role.

### Parameters

### -All

Indicates that the action will affect all objects that the cmdlet refers to.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DpmRole<DpmRole>

Provide a DPM role for SQL Server end-user recovery.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -SecurityGroups<String[]>

Specify security groups you want to add or remove to a DPM role.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Remove-DPMSecurityGroup -detailed".

For technical information, type "Get-Help Remove-DPMSecurityGroup -full".

# Remove-DPMTape

### Remove-DPMTape

Removes a tape from a DPM library.

Syntax

Parameter Set: Default  
Remove-DPMTape [-DPMLibrary] <Library> [-Tape] <Media[]> [-Async] [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Remove-DPMTape cmdlet removes a tape from a DPM library.

### Parameters

### -Async

Allows the user to indicate that the cmdlet should run asynchronously. This is useful with cmdlets that take a long time to complete. The control returns to the user immediately after the operation starts. The progress of the operation is communicated to the user periodically. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMLibrary<Library>

Specify a DPM library object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -JobStateChangedEventHandler<JobStateChangedEventHandler>

Indicates that the status of the operation should be displayed to the user. The JobStateChangedEventHandler is used along with the -Async parameter. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Tape<Media[]>

Indicates a tape object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Remove-DPMTape -detailed".

For technical information, type "Get-Help Remove -Tape -full".

### Examples

### EXAMPLE 1

This command removes a tape from the library.

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

$Tape = Get-Tape -DPMLibrary $DPMLib

Unlock-DPMLibraryDoor -DPMLibrary $DPMLib

Remove-DPMTape -DPMLibrary $DPMLib -Tape $Tape[2]

# Rename-DPMLibrary

### Rename-DPMLibrary

Renames the specified library.

Syntax

Parameter Set: Default  
Rename-DPMLibrary [-DPMLibrary] <Library> [-NewName] <String> [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Rename-DPMLibrary cmdlet renames the specified library.

### Parameters

### -DPMLibrary<Library>

Specify a DPM library object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue, ByPropertyName) |
| Accept Wildcard Characters? | false |

### -NewName<String>

A specify the new name for the object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | true (ByPropertyName) |
| Accept Wildcard Characters? | false |

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output. Using the PassThru parameter allows such cmdlets to be part of a pipeline.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | true (ByPropertyName) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Library

### Notes

* For more information, type "Get-Help Rename-DPMLibrary -detailed".

For technical information, type "Get-Help Rename-DPMLibrary -full".

### Examples

### EXAMPLE 1

This command renames the library on the server TestingServer.

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

Rename-DPMLibrary -DPMLibrary $DPMLib -NewName "LibNewName"

# Rename-DPMProtectionGroup

### Rename-DPMProtectionGroup

Renames an existing protection group on the DPM server.

Syntax

Parameter Set: Default  
Rename-DPMProtectionGroup [-ProtectionGroup] <ProtectionGroup> [-NewName] <String> [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Rename-DPMProtectionGroup cmdlet renames an existing protection group with a new name. The process of renaming a protection group involves the following steps –

1. Retrieve the protection group using the Get-ProtectionGroup cmdlet.

2. Make the protection group modifiable using the Get-ModifiableProtectionGroup cmdlet.

3. Rename the protection group using the Rename-DPMProtectionGroup cmdlet.

4. Save the changes using the Set-ProtectionGroup cmdlet.

### Parameters

### -NewName<String>

Provide a new name for an object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output.Using the PassThru parameter allows such cmdlets to be part of a pipeline.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Provide a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* ProtectionGroup

### Notes

* For more information, type "Get-Help Rename-DPMProtectionGroup -detailed".

For technical information, type "Get-Help Rename-DPMProtectionGroup -full".

### Examples

### EXAMPLE 1

This command renames the protection group Trial PG to Modified PG.

PS C:\>$pg = Get-ProtectionGroup - DPMServerName 'TestingServer'

$mpg = Get-ModifiableProtectionGroup $pg

Rename-DPMProtectionGroup -ProtectionGroup $mpg -NewName 'ModifiedPG'

Set-ProtectionGroup $mpg

# Rename-DPMRole

### Rename-DPMRole

Allows you to rename an existing DPM role and change its description.

Syntax

Parameter Set: Default  
Rename-DPMRole [-DpmRole] <DpmRole> [[-Name] <String> ] [[-Description] <String> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Rename-DPMRole cmdlet allows you to rename an existing DPM role and change its description.

### Parameters

### -Description<String>

Provide a description of the DPM role.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DpmRole<DpmRole>

Provide a DPM role for SQL Server end-user recovery.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Name<String>

Provide a name for the protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Rename-DPMRole -detailed".

For technical information, type "Get-Help Rename-DPMRole -full".

# Restart-DPMJob

### Restart-DPMJob

Reruns the specified failed jobs.

Syntax

Parameter Set: Default  
Restart-DPMJob [-Job] <Job[]> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

This cmdlet reruns the specified failed jobs.

### Parameters

### -Job<Job[]>

Provide a Job object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Examples

### Example 1

Returns the list of failed protection-group jobs on DPM server TestingServer.

PS C:\> $pg = Get-ProtectionGroup –DpmServerName TestingServer

PS C:\> $job = Get-dpmjob -ProtectionGroup $pg -status failed

PS C:\> Restart-DPMJob $job

# Restore-DPMRecoverableItem

### Restore-DPMRecoverableItem

Restores a version of the data source to a target location.

Syntax

Parameter Set: Default  
Restore-DPMRecoverableItem [-RecoveryOption] <RecoveryOptions> [[-RecoverableItem] <RecoverableObject[]> ] [-AdhocJobsContext <AdhocJobsContext> ] [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-RecoveryNotification <NotificationObject> ] [-RecoveryPointLocation <RecoverySourceLocation[]> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

This cmdlet recovers a point in time version of a data source (recovery point) or a child recoverable item within it to the target location.

### Parameters

### -AdhocJobsContext<AdhocJobsContext>

Context details of the adhoc job. Required only in UI, do not use from PowerShell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -JobStateChangedEventHandler<JobStateChangedEventHandler>

Indicates that the status of the operation should be displayed to the user. The JobStateChangedEventHandler is used along with the -Async parameter. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RecoverableItem<RecoverableObject[]>

Provide a recoverable object. This may be a child item within a recovery point that can be recovered. For example, a Windows file system share or volume, a Microsoft SQL Server database, a Microsoft Exchange storage group, a Microsoft SharePoint, Microsoft Virtual Machine, a Microsoft DPM database, a system state, or a recovery point.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -RecoveryNotification<NotificationObject>

Sends a notification when recovery is complete. The notification object is returned by the New-NotificationObject cmdlet.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RecoveryOption<RecoveryOptions>

Encapsulates the user's protection intent while performing a recovery based on the recovery source and recovery type. This object is built using the New-RecoveryOption cmdlet.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -RecoveryPointLocation<RecoverySourceLocation[]>

Provide the location of the recovery point. This is necessary if a recovery item exists in more than one location for the same point in time. For example, on a disk and tape or on two tapes.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Restore-DPMRecoverableItem -detailed".

For technical information, type "Get-Help Restore-DPMRecoverableItem -full".

# Resume-DPMBackup

### Resume-DPMBackup

Attempts to resume all stalled backup jobs.

Syntax

Parameter Set: ResumeAlertBackups  
Resume-DPMBackup [-BackupTargetType] {Disk | Tape | Online | Invalid} [-Alert] <Alert[]> [[-AdhocJobsContext] <AdhocJobsContext> ] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: ResumeDsBackups  
Resume-DPMBackup [-BackupTargetType] {Disk | Tape | Online | Invalid} [-Datasource] <Datasource[]> [[-AdhocJobsContext] <AdhocJobsContext> ] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: ResumePgBackups  
Resume-DPMBackup [-BackupTargetType] {Disk | Tape | Online | Invalid} [-ProtectionGroup] <ProtectionGroup[]> [[-AdhocJobsContext] <AdhocJobsContext> ] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: ResumePsBackups  
Resume-DPMBackup [-BackupTargetType] {Disk | Tape | Online | Invalid} [-ProductionServer] <ProductionServer[]> [[-AdhocJobsContext] <AdhocJobsContext> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Resume-DPMBackup cmdlet attempts to resume all stalled backup jobs.

### Parameters

### -AdhocJobsContext<AdhocJobsContext>

Context details of the adhoc job. Required only in UI, do not use from PowerShell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Alert<Alert[]>

Provide a list of alerts for which backups will be resumed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -BackupTargetType<BackupTargetType>

Indicates whether the jobs are disk or tape backup jobs.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| Disk |  |
| Tape |  |
| Online |  |
| Invalid |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Datasource<Datasource[]>

Provide list of data sources for which backups will be resumed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -ProductionServer<ProductionServer[]>

Provide a list of protected computers for which backups will be resumed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup[]>

Provide a list of protection groups for which backups will be resumed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Resume-DPMBackup -detailed".

For technical information, type "Get-Help Resume-DPMBackup -full".

### Examples

### EXAMPLE 1

This command resumes backups for all protected computers on TestingServer.

PS C:\>$PS=Get-DPMProductionServer -DPMServerName "TestingServer"

Resume-DPMBackup -DPMServerName "TestingServer" -ProductionServer $PS

# Set-DPMAutoProtectIntent

### Set-DPMAutoProtectIntent

Turns the auto-protection setting for a SQL Server instance on or off.

Syntax

Parameter Set: Default  
Set-DPMAutoProtectIntent [-ProtectionGroup] <ProtectionGroup> [-SQLInstanceName] <String[]> [-AutoProtectIntent] <AutoProtectionIntent> [-ProductionServer] <ProductionServer> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Set-DPMAutoProtectIntent cmdlet turns the auto-protection setting for a SQL Server instance on or off.

### Parameters

### -AutoProtectIntent<AutoProtectionIntent>

Indicates whether auto-protection should be turned on or off.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProductionServer<ProductionServer>

Provide a server that has a DPM agent installed on it.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 4 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Provide a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -SQLInstanceName<String[]>

Specify the SQL Server instance for which you want to set auto-protection or retrieve auto-protection setting.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Set-DPMAutoProtectIntent -detailed".

For technical information, type "Get-Help Set-DPMAutoProtectIntent -full".

# Set-DPMCloudSubscriptionSetting

### Set-DPMCloudSubscriptionSetting

Updates the Windows Azure Online Backup subscription settings.

Syntax

Parameter Set: Commit  
Set-DPMCloudSubscriptionSetting [[-DPMServerName] <String> ] [-SubscriptionSetting] <CloudSubscriptionSetting> [-Commit] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: Encryption  
Set-DPMCloudSubscriptionSetting [[-DPMServerName] <String> ] [-SubscriptionSetting] <CloudSubscriptionSetting> [-EncryptionPassphrase] <SecureString> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: NoProxy  
Set-DPMCloudSubscriptionSetting [[-DPMServerName] <String> ] [-SubscriptionSetting] <CloudSubscriptionSetting> [-NoProxy] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: NoThrottle  
Set-DPMCloudSubscriptionSetting [[-DPMServerName] <String> ] [-SubscriptionSetting] <CloudSubscriptionSetting> [-NoThrottle] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: ProxyServer  
Set-DPMCloudSubscriptionSetting [[-DPMServerName] <String> ] [-SubscriptionSetting] <CloudSubscriptionSetting> [-ProxyServer] <String> [-ProxyPort] <Int32> [[-ProxyUsername] <String> ] [[-ProxyPassword] <SecureString> ] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: StagingArea  
Set-DPMCloudSubscriptionSetting [[-DPMServerName] <String> ] [-SubscriptionSetting] <CloudSubscriptionSetting> [-StagingAreaPath] <String> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: Throttle  
Set-DPMCloudSubscriptionSetting [[-DPMServerName] <String> ] [-SubscriptionSetting] <CloudSubscriptionSetting> [-WorkDay] {Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday} [-StartWorkHour] <TimeSpan> [-EndWorkHour] <TimeSpan> [-WorkHourBandwidth] <UInt32> [-NonWorkHourBandwidth] <UInt32> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

This cmdlet updates the Windows Azure Online Backup subscription settings.

### Parameters

### -Commit

Saves the new settings.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -EncryptionPassphrase<SecureString>

Provide a passphrase to encrypt backups from the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -EndWorkHour<TimeSpan>

Specify the time range when throttling as specified in WorkHourBandwidth should be in effect. Used in conjunction with -StartWorkHour.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 5 |
| Default Value | none |
| Accept Pipeline Input? | True (ByPropertyName) |
| Accept Wildcard Characters? | false |

### -NonWorkHourBandwidth<UInt32>

Specify throttling settings for non-working hours.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 7 |
| Default Value | none |
| Accept Pipeline Input? | True (ByPropertyName) |
| Accept Wildcard Characters? | false |

### -NoProxy

Indicates that no proxy server should be used.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -NoThrottle

Indicates that no bandwidth throttling should be used.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProxyPassword<SecureString>

Provide the password for the proxy server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 6 |
| Default Value | none |
| Accept Pipeline Input? | True (ByPropertyName) |
| Accept Wildcard Characters? | false |

### -ProxyPort<Int32>

Proxy server port.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 4 |
| Default Value | none |
| Accept Pipeline Input? | True (ByPropertyName) |
| Accept Wildcard Characters? | false |

### -ProxyServer<String>

Provide the name of the proxy server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -ProxyUsername<String>

Provide the username by which to login to the proxy server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 5 |
| Default Value | none |
| Accept Pipeline Input? | True (ByPropertyName) |
| Accept Wildcard Characters? | false |

### -StagingAreaPath<String>

Specify the location to which backups can be downloaded to before it is recovered to the final location.

Ensure the location has sufficient space to hold the backups.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -StartWorkHour<TimeSpan>

Specify the time range when throttling as specified in WorkHourBandwidth should be in effect. Used in conjunction with -EndWorkHour.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 4 |
| Default Value | none |
| Accept Pipeline Input? | True (ByPropertyName) |
| Accept Wildcard Characters? | false |

### -SubscriptionSetting<CloudSubscriptionSetting>

Provide a Subscription object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -WorkDay<DayOfWeek[]>

Specify the days of the week set as working days.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| Sunday |  |
| Monday |  |
| Tuesday |  |
| Wednesday |  |
| Thursday |  |
| Friday |  |
| Saturday |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -WorkHourBandwidth<UInt32>

Specify the bandwidth to be used during working hours.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 6 |
| Default Value | none |
| Accept Pipeline Input? | True (ByPropertyName) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Examples

### Example 1

Setting Windows Azure Online Backup subscription settings for the DPM server TestingServer.

PS C:\> $setting = Get-DPMCloudSubscriptionSetting -DPMServerName TestingServer

PS C:\> Set-DPMCloudSubscriptionSetting -DpmServerName TestingServer -SubscriptionSetting $setting -StagingAreaPath "C:\StagingArea"

PS C:\> Set-DPMCloudSubscriptionSetting -DPMServerName TestingServer -SubscriptionSetting $setting -NoProxy

PS C:\> $passphrase = ConvertTo-SecureString -string passphrase123456789 -AsPlainText -force

PS C:\> Set-DPMCloudSubscriptionSetting -DPMServerName TestingServer -SubscriptionSetting $setting -EncryptionPassphrase $passphrase

PS C:\> Set-DPMCloudSubscriptionSetting -DPMServerName TestingServer -SubscriptionSetting $setting -Commit

# Set-DPMCredentials

### Set-DPMCredentials

Configure certificate-based authentication

Syntax

Parameter Set: Default  
Set-DPMCredentials [[-DPMServerName] <String> ] [-Type] {Certificate} [-Action] {Configure | Regenerate} [-OutputFilePath] <String> [[-Thumbprint] <String> ] [[-AuthCAThumbprint] <String> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Set-DPMCredentials cmdlet allows you to configure certificate-based authentication for computers you want to protect but are on untrusted domains.

### Parameters

### -Action<Action>

Indicates the action being performed. This can take the values Configure or Regenerate. Use Configure when using a new certificate and Regenerate to regenerate the output metadata file.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| Configure |  |
| Regenerate |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -AuthCAThumbprint<String>

Specify the thumbprint of the certifying authority in the trust chain of the certificate. Optional. If not specified, Root will be used.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 6 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -OutputFilePath<String>

Specify the location of the output file (used in Set-DPMServer on protected computer)

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 4 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Thumbprint<String>

Specify the thumbprint to search for the certificate by. Required parameter if Configure is specified as the action.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 5 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Type<AuthenticationType>

Indicates the type of credential being added. It can take the value Certificate.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| Certificate |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Examples

### Example 1

This cmdlet will generate a file in c:\CertMetaData\ with name CertificateConfiguration\_<DPM SEVER FQDN>.bin.

PS C:\>Set-DPMCredentials -DPMServerName dpmserver.contoso.com -Type Certificate -Action Configure -OutputFilePath c:\CertMetaData\ –Thumbprint “cf822d9ba1c801ef40d4b31de0cfcb200a8a2496”

### Example 2

This cmdlet will regenerate the lost configuration file in the folder c:\CertMetaData\.

PS C:\>Set-DPMCredentials -DPMServerName dpmserver.contoso.com -Type Certificate “-OutputFilePath c:\CertMetaData\ -Action Regenerate

# Set-DPMDatasourceDefaultDiskAllocation

### Set-DPMDatasourceDefaultDiskAllocation

The Set-DPMDatasourceDefaultDiskAllocation cmdlet retrieves the amount of disk space that is allocated to the protected data.

Syntax

Parameter Set: Default  
Set-DPMDatasourceDefaultDiskAllocation [-Datasource] <Datasource[]> [-Async] [-CalculateShrinkThresholds] [-CalculateSize] [-PrimaryDpmServer] [-Tag <Object> ] [ <CommonParameters>]

### Detailed Description

The Set-DPMDatasourceDefaultDiskAllocation cmdlet modifies disk allocation for the protected data.

### Parameters

### -Async

Allows the user to indicate that the cmdlet should run asynchronously. This is useful with cmdlets that take a long time to complete. The control returns to the user immediately after the operation starts. The progress of the operation is communicated to the user periodically. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -CalculateShrinkThresholds

Indicates that the thresholds to which the recovery point volume can shrink to must be calculated.

This parameter sets the properties ShadowCopySizeAfterMaxShrink and ShadowCopySizeAfterMinShrink. When you use this parameter, the Get-DiskAllocation cmdlet will return two values. If you want to shrink the recovery point volume, you must provide a value in this range to the ShadowCopyArea parameter in the Set-DiskAllocation cmdlet. However, if shrink is not possible, the cmdlet will throw an exception with the appropriate error code.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -CalculateSize

Calculates the space allocated on a disk.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Datasource<Datasource[]>

Provide a Windows file system share or volume, Microsoft SQL Server database, Microsoft Exchange storage group, Microsoft SharePoint farm, Microsoft Virtual Machine, DPM database, or system state that is a member of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -PrimaryDpmServer

Indicates that the recovery is to a DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Tag<Object>

Helps distinguish the replies to each asynchronous call made by a cmdlet. This is useful when building a GUI using cmdlets.

It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Set-DPMDatasourceDefaultDiskAllocation -detailed".

For technical information, type "Get-Help Set-DPMDatasourceDefaultDiskAllocation -full".

# Set-DPMDatasourceDiskAllocation

### Set-DPMDatasourceDiskAllocation

Modifies disk allocation for the protected data.

Syntax

Parameter Set: Default  
Set-DPMDatasourceDiskAllocation [-Datasource] <Datasource> [-ProtectionGroup] <ProtectionGroup> [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: AutoGrowOption  
Set-DPMDatasourceDiskAllocation [-ProtectionGroup] <ProtectionGroup> [-AutoGrow] <Boolean> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: Custom  
Set-DPMDatasourceDiskAllocation [-Datasource] <Datasource> [-ProtectionGroup] <ProtectionGroup> -CustomRequirements [-FormatVolumes] [-PassThru] [-ReplicaVolume <DpmServerVolume> ] [-ShadowCopyVolume <DpmServerVolume> ] [-USNJournalSize <Int64> ] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: ExpectedDataSizePerClientInMB  
Set-DPMDatasourceDiskAllocation -ExpectedDataSizePerClientInMB <Int64> -ProtectionGroup <ProtectionGroup> [-Datasource <Datasource> ] [-ShadowCopyArea <Int64> ] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: Manual  
Set-DPMDatasourceDiskAllocation [-Datasource] <Datasource> [-ProtectionGroup] <ProtectionGroup> -Manual [-PassThru] [-ProductionServerJournalSize <Int64> ] [-ReplicaArea <Int64> ] [-ShadowCopyArea <Int64> ] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: MigrateDatasourceDataFromDPMToDisk  
Set-DPMDatasourceDiskAllocation [-Datasource] <Datasource> [-ProtectionGroup] <ProtectionGroup> [-MigrateDatasourceDataFromDPM] [-DestinationDiskPool] <Disk[]> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: MigrateDatasourceDataFromDPMToVolume  
Set-DPMDatasourceDiskAllocation [-Datasource] <Datasource> [-ProtectionGroup] <ProtectionGroup> [-MigrateDatasourceDataFromDPM] [-DestinationReplicaVolume] <DpmServerVolume> [-DestinationShadowCopyVolume] <DpmServerVolume> [-FormatVolumes] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Set-DPMDatasourceDiskAllocation cmdlet modifies disk allocation for the protected data.

Using the -Manual parameter you can specify the amount of disk space to allot to each data source in a protection group.

Using the -CustomRequirements parameter you can specify the volumes to use for each data source in a protection group.

If you use neither parameter, DPM will assign the default disk space and volumes for the data source.

### Parameters

### -AutoGrow<Boolean>

Indicates whether the replica or recovery point volume size should be increased automatically when the user space threshold is exceeded.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -CustomRequirements

Allows you to specify replica and shadow copy volumes manually.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Datasource<Datasource>

Provide a Windows file system share or volume, Microsoft SQL Server database, Microsoft Exchange storage group, Microsoft SharePoint farm, Microsoft Virtual Machine, DPM database, or system state that is a member of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -DestinationDiskPool<Disk[]>

Specify the set of disks on which DPM will allocate volumes for migration of a data source. This parameter is migration specific.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 4 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DestinationReplicaVolume<DpmServerVolume>

Specify the destination volume allocated by the user for migrating replicas of a data source. This parameter is migration specific.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 4 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DestinationShadowCopyVolume<DpmServerVolume>

Specify the destination volume allocated by the user for migrating shadow copies of a data source. This parameter is migration specific.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 5 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ExpectedDataSizePerClientInMB<Int64>

Provide the expected size of data to be backed up from each client computer (in MB).

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -FormatVolumes

Indicates whether the allocated volumes should be formatted.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Manual

Indicates that the settings will be applied manually.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -MigrateDatasourceDataFromDPM

Indicates migration of the data source from the current volumes to a new set of volumes.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output. Using the PassThru parameter allows such cmdlets to be part of a pipeline.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProductionServerJournalSize<Int64>

Specify the journal size of the protected server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Provide a protection group object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -ReplicaArea<Int64>

Sets the disk allocation for the replica area for the current data source.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ReplicaVolume<DpmServerVolume>

Provide a Replica Volume object. A replica volume is a volume on the DPM server that contains the replica of a protected data source.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ShadowCopyArea<Int64>

Sets the disk allocation for the shadow copy area for the current data source.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ShadowCopyVolume<DpmServerVolume>

Provide a Shadowcopy Volume object. This is the volume on which the shadow copy is present.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -USNJournalSize<Int64>

Specify the USN journal size.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Datasource

### Notes

* For more information, type "Get-Help Set-DPMDatasourceDiskAllocation -detailed".

For technical information, type "Get-Help Set-DPMDatasourceDiskAllocation -full".

### Examples

### -------------------------- EXAMPLE 1 --------------------------

This command sets the disk allocation the second data source in the data source list $ds.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName "TestingServer"

$mpg = Get-ModifiableProtectionGroup $pg

$ds = Get-Datasource -ProtectionGroup $mpg

Get-DatasourceDiskAllocation -Datasource $ds[1]

Set-DPMDatasourceDiskAllocation -Datasource $ds[1] -ProtectionGroup $mpg

Set-ProtectionGroup $mpg

# Set-DPMDatasourceProtectionOption

### Set-DPMDatasourceProtectionOption

Sets the protection options for the specified datasource.

Syntax

Parameter Set: AllowClientUserToAddFileSpecs  
Set-DPMDatasourceProtectionOption [-ProtectionGroup] <ProtectionGroup> [-AllowClientUserToAddFileSpecs] <Boolean> [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: AutoConsistencyCheck  
Set-DPMDatasourceProtectionOption [-ProtectionGroup] <ProtectionGroup> [-AutoConsistencyCheck] <Boolean> [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: ClientFileSpecOptions  
Set-DPMDatasourceProtectionOption [-ProtectionGroup] <ProtectionGroup> [-Path] <String> [-ClientFileSpecOperation] <ClientFileSpecOperationType> [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: ExchangeOptions  
Set-DPMDatasourceProtectionOption [-ProtectionGroup] <ProtectionGroup> [[-TopologyType] <ProtectionTopologyType> ] [[-PreferredPhysicalNode] <String[]> ] -ExchangeOptions [-BackUpType <AllowedBackupTypeType> ] [-Datasource <Datasource> ] [-EseutilCheckType <EseutilTypeType> ] [-PassThru] [-RunEseUtilConsistencyCheck] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: FileExclusionAddOptions  
Set-DPMDatasourceProtectionOption [-ProtectionGroup] <ProtectionGroup> [-FileType] <String> -Add [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: FileExclusionRemoveOptions  
Set-DPMDatasourceProtectionOption [-ProtectionGroup] <ProtectionGroup> [-FileType] <String> -Remove [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Set-DPMDatasourceProtectionOption cmdlet sets the protection options for the specified datasource.

Using the -Remove parameter allows you to exclude all files of a particular type from protection. For e.g., all mp3 files.

Using the -Add parameter allows you to remove any exclusions set using the -Remove parameter.

Using the -ExchangeOptions parameter allows you to set the protection options for an Exchange data source.

### Parameters

### -Add

Adds a file exclusion on a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -AllowClientUserToAddFileSpecs<Boolean>

Indicates whether the end user can specify which folders to protect.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -AutoConsistencyCheck<Boolean>

Indicates whether consistency check must be automatically run on the data sources of the protection group if the replica becomes inconsistent.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -BackUpType<AllowedBackupTypeType>

Indicates the type of backup. The valid values are CopyBackup and FullBackup.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ClientFileSpecOperation<ClientFileSpecOperationType>

Indicates which folders to add or remove from the include or exclude list. This parameter can take the following values:

- AddInclude

- RemoveInclude

- AddExclude

- RemoveExclude

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Datasource<Datasource>

Provide a data source object. A data source can be a Windows file system share or volume, Microsoft SQL Server database, Microsoft Exchange storage group, Microsoft SharePoint farm, Microsoft Virtual Machine, DPM database, or system state that is a member of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -EseutilCheckType<EseutilTypeType>

Indicates how Eseutil should run. This parameter can take the following values: DontRun, RunOnLogs and RunOnLogsAndDB.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ExchangeOptions

Indicates that the options that follow affect only Microsoft Exchange data sources.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -FileType<String>

Indicates the file type to include or exclude in a protection.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output. Using the PassThru parameter allows such cmdlets to be part of a pipeline.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Path<String>

Specify the path to a folder.

With Set-DPMDatasourceProtectionOption, this indicates the path to add or remove from the include or exclude list.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PreferredPhysicalNode<String[]>

Specify the server to protect for Preferred Server topology. Applies to Microsoft Exchange Server 2007 cluster continuous replication only.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 4 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Provide a protection group object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Remove

Indicates that a remove operation will be performed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RunEseUtilConsistencyCheck

Indicates that the EseUtil consistency check should be run. This is applicable only for Microsoft Exchange data sources.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -TopologyType<ProtectionTopologyType>

Specify the topology type. The available topologies are Active, Passive, and Active if Passive Not Available. Applies to Microsoft Exchange Server 2007 cluster continuous replication only.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Datasource

### Notes

* For more information, type "Get-Help Set-DPMDatasourceProtectionOption -detailed".

For technical information, type "Get-Help Set-DPMDatasourceProtectionOption -full".

# Set-DPMGlobalProperty

### Set-DPMGlobalProperty

Sets the global properties for this DPM installation.

Syntax

Parameter Set: AllowLocalDataProtection  
Set-DPMGlobalProperty [[-DPMServerName] <String> ] -AllowLocalDataProtection <Boolean> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: ConsiderForAutoDeployment  
Set-DPMGlobalProperty [[-DPMServerName] <String> ] -ConsiderForAutoDeployment <Boolean> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: ExchangeSCRProtection  
Set-DPMGlobalProperty [[-DPMServerName] <String> ] -ExchangeSCRProtection <String> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: HyperVPagefileExclusions  
Set-DPMGlobalProperty [[-DPMServerName] <String> ] -HyperVPagefileExclusions <String> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: IsNetworkChecksumRequired  
Set-DPMGlobalProperty [[-DPMServerName] <String> ] -IsNetworkChecksumRequired <Boolean> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: KnownVMMServers  
Set-DPMGlobalProperty [[-DPMServerName] <String> ] -KnownVMMServers <String> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: LibraryRefreshInterval  
Set-DPMGlobalProperty [[-DPMServerName] <String> ] -LibraryRefreshInterval <Int32> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: MaxCapacityForClientAutoDeployment  
Set-DPMGlobalProperty [[-DPMServerName] <String> ] -MaxCapacityForClientAutoDeployment <Int32> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: RegisteredWriters  
Set-DPMGlobalProperty [[-DPMServerName] <String> ] -RegisteredWriters <Guid[]> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: TruncateSharePointDbLogs  
Set-DPMGlobalProperty [[-DPMServerName] <String> ] -TruncateSharePointDbLogs <Boolean> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Set-DPMGlobalProperty cmdlet sets the global properties for this DPM installation.

### Parameters

### -AllowLocalDataProtection<Boolean>

Indicates that the DPM server can protect data sources on the same computer it is installed on.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ConsiderForAutoDeployment<Boolean>

Indicates whether the DPM server should be considered for client protection.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ExchangeSCRProtection<String>

Provide the name of the Exchange SCR Server. To provide the names of multiple servers, you can list them all separated by commas.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -HyperVPagefileExclusions<String>

Provide the name of pagefile VHD to be excluded from backup jobs for HyperV data source. Supports use of wildcards. Use commas to separate multiple VHD names.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -IsNetworkChecksumRequired<Boolean>

Indicates whether a checksum should be used to verify data transferred over a network.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -KnownVMMServers<String>

Provide the System Center 2012 SP1 VMM server that DPM should communicate with to provide support for virtual machine mobility scenarios. On specifying this flag, DPM not only stores the VMM server information, but also configures its services on the DPM server to successfully communicate with VMM.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -LibraryRefreshInterval<Int32>

Allows you to set the interval at which the information about shared libraries must be refreshed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -MaxCapacityForClientAutoDeployment<Int32>

Allows you to set the maximum number of client computers that can be protected on the DPM server. Setting this value ensures that too many client computers are not protected on the DPM server when auto-deployment is enabled

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RegisteredWriters<Guid[]>

For internal use only.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -TruncateSharePointDbLogs<Boolean>

Indicates whether SharePoint database logs should be truncated during replication.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Set-DPMGlobalProperty -detailed".

For technical information, type "Get-Help Set-DPMGlobalProperty -full".

### Examples

**To exclude some page file VHDs**

In this example, all VHDs protected on TestingServer that have names that end with \_pagefile.vhd are marked for exclusion.

PS C:\> Set-DPMGlobalProperty -DPMServerName TestingServer -HyperVPagefileExclusions "\*\_pagefile.vhd"

**To add more page file VHD exclusions**

In this example, VHD files that have “mypgf” in their name are added to the existing exclusion list.

PS C:\> Set-DPMGlobalProperty -DPMServerName <DpmServer> -HyperVPagefileExclusions "\*\_pagefile.vhd,\*mypgf\*.vhd\*"

**To remove all page file VHD exclusions**

In this example, all existing exclusions are removed.

PS C:\> Set-DPMGlobalProperty -DPMServerName <DpmServer> -HyperVPagefileExclusions ""

# Set-DPMMaintenanceJobStartTime

### Set-DPMMaintenanceJobStartTime

Sets or removes the start time of a maintenance job.

Syntax

Parameter Set: Reset  
Set-DPMMaintenanceJobStartTime [[-DPMServerName] <String> ] [-MaintenanceJob] {CatalogPruning | LibraryInventory} [[-StartTime] <DateTime> ] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: Remove  
Set-DPMMaintenanceJobStartTime [[-DPMServerName] <String> ] [-MaintenanceJob] {CatalogPruning | LibraryInventory} [-Remove] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Set-DPMMaintenanceJobStartTime cmdlet sets the start time of a maintenance job.

Use the -Remove parameter to stop running the job.

Catalog Pruning and Detailed Inventory jobs can be rescheduled using this cmdlet.

### Parameters

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -MaintenanceJob<HouseKeepingJobs>

Indicates that a maintenance job must be performed on the replica. The valid values are CatalogPruning and DetailedInventory.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| CatalogPruning |  |
| LibraryInventory |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Remove

Indicates that a remove operation will be performed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -StartTime<DateTime>

Indicates the time when an operation must begin.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Set-DPMMaintenanceJobStartTime -detailed".

For technical information, type "Get-Help Set-DPMMaintenanceJobStartTime -full".

### Examples

### EXAMPLE 1

This command sets the maintenance job to run on the server at 2 a.m.

PS C:\>Set-DPMMaintenanceJobStartTime -DPMServerName TestServer -MaintenanceJob CatalogPruning -StartTime 02:00

### EXAMPLE 2

This command stops the running of the automatic inventory.

PS C:\>Set-DPMMaintenanceJobStartTime -DPMServerName TestServer -MaintenanceJob LibraryInventory -Remove

# Set-DPMPerformanceOptimization

### Set-DPMPerformanceOptimization

Enables setting or removing of on-wire compression of data.

Syntax

Parameter Set: DisableCompression  
Set-DPMPerformanceOptimization [-ProtectionGroup] <ProtectionGroup> -DisableCompression [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: EnableCompression  
Set-DPMPerformanceOptimization [-ProtectionGroup] <ProtectionGroup> -EnableCompression [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Set-DPMPerformanceOptimization cmdlet enables setting or removing on-wire compression on a protection group.

### Parameters

### -DisableCompression

Indicates that on-wire compression of data must be disabled.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -EnableCompression

Indicates that throttling must be enabled.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output. Using the PassThru parameter allows such cmdlets to be part of a pipeline.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Provide a protection group object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* ProtectionGroup

### Notes

* For more information, type "Get-Help Set-DPMPerformanceOptimization -detailed".

For technical information, type "Get-Help Set-DPMPerformanceOptimization -full".

### Examples

### EXAMPLE 1

This command enables on-wire compression of data for all datasources being protected in the given PG

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

$mpg = Get-ModifiableProtectionGroup -ProtectionGroup $pg

Set-DPMPerformanceOptimization -ProtectionGroup $mpg -EnableCompression

# Set-DPMPolicyObjective

### Set-DPMPolicyObjective

Sets the policy objective for a protection group.

Syntax

Parameter Set: ShortTermDisk  
Set-DPMPolicyObjective [-ProtectionGroup] <ProtectionGroup> [-RetentionRangeDays] <Int32> [[-SynchronizationFrequencyMinutes] <Int32> ] [-BeforeRecoveryPoint] [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: AlertThresholdInDays  
Set-DPMPolicyObjective [-ProtectionGroup] <ProtectionGroup> [-AlertThresholdInDays] <Int32> [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: ColocateDatasources  
Set-DPMPolicyObjective [-ProtectionGroup] <ProtectionGroup> [-ColocateDatasources] <Boolean> [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: LongTermCloud  
Set-DPMPolicyObjective [-ProtectionGroup] <ProtectionGroup> [-OnlineRetentionRange] <Int32> [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: LongTermTape  
Set-DPMPolicyObjective [-ProtectionGroup] <ProtectionGroup> [-RetentionRange] <RetentionRange> [-LongTermBackupFrequency] {Daily | Weekly | BiWeekly | Monthly | Quarterly | HalfYearly | Yearly} [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: LongTermTapeCustom  
Set-DPMPolicyObjective [-ProtectionGroup] <ProtectionGroup> [-RetentionRangeList] <RetentionRange[]> [-FrequencyList] <Int32[]> [-GenerationList] {GreatGrandfather | Grandfather | Father | Son} [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: ShortTermTape  
Set-DPMPolicyObjective [-ProtectionGroup] <ProtectionGroup> [-RetentionRangeInWeeks] <Int32> [-ShortTermBackupFrequency] {Daily | Weekly | BiWeekly | Monthly | Quarterly | HalfYearly | Yearly} [-CreateIncrementals] [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Set-DPMPolicyObjective cmdlet sets the policy objective for a protection group. You can set the policy to disk or tape. You can also specify the retention range for the protection group.

Default schedules are set automatically when you specify the protection objective using Set-DPMPolicyObjective. To modify the default schedules use a Get-PolicySchedule followed by Set-PolicySchedule.

### Parameters

### -AlertThresholdInDays<Int32>

Specify the number of days after which an alert would be raised if the laptop has not been backed up.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -BeforeRecoveryPoint

Indicates that synchronization should occur before the creation of recovery points.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ColocateDatasources<Boolean>

Enables co-location when set to True, and disables co-location when set to False.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -CreateIncrementals

Indicates whether incremental backups should be created.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -FrequencyList<Int32[]>

Provide the list of backup frequencies defined in the three protection objectives. Frequency list is an array of the following: Yearly=6; Half Yearly=5; Quarterly=4; Monthly=3; Biweekly=2; Weekly=1; Daily=0.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -GenerationList<GenerationType[]>

Provide the list of generations (father, grandfather and great grandfather) defined in the three protection objectives.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| GreatGrandfather |  |
| Grandfather |  |
| Father |  |
| Son |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 4 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -LongTermBackupFrequency<BackupFrequency>

Specify the backup frequency for long-term protection. The possible values are Daily, Weekly, BiWeekly, Monthly, Quarterly, HalfYearly, and Yearly.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| Daily |  |
| Weekly |  |
| BiWeekly |  |
| Monthly |  |
| Quarterly |  |
| HalfYearly |  |
| Yearly |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -OnlineRetentionRange<Int32>

Specify the retention range for online protection.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output. Using the PassThru parameter allows such cmdlets to be part of a pipeline.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

The name of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -RetentionRange<RetentionRange>

Specify the duration of time for which data will be retained on tape for long-term protection.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RetentionRangeDays<Int32>

Specify the number of days for which a replica will be retained.

|  |  |
| --- | --- |
| Aliases | RetentionRangeInDays |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RetentionRangeInWeeks<Int32>

Specify the number of weeks for which a replica will be retained.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RetentionRangeList<RetentionRange[]>

Provide the list of retention periods defined in the three protection objectives.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ShortTermBackupFrequency<BackupFrequency>

Specify the backup frequency for short-term protection.

The acceptable values for this parameter are:

|  |  |
| --- | --- |
| Daily |  |
| Weekly |  |
| BiWeekly |  |
| Monthly |  |
| Quarterly |  |
| HalfYearly |  |
| Yearly |  |

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -SynchronizationFrequencyMinutes<Int32>

Specify the frequency of synchronization in minutes.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Schedule

### Notes

* For more information, type "Get-Help Set-DPMPolicyObjective -detailed".

For technical information, type "Get-Help Set-DPMPolicyObjective -full".

### Examples

### EXAMPLE 1

This command sets the policy objective for the protection to a retention range of 10 days and synchronization frequency of 6 hours.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

$mpg = Get-ModifiableProtectionGroup $pg[0]

Set-DPMPolicyObjective $mpg -RetentionRangeInDays 10 -SynchronizationFrequency 360

### EXAMPLE 2

This command sets the retention range for Testing Server to 360 days with a weekly backup frequency.

PS C:\>$rr= new-object -TypeName Microsoft.Internal.EnterpriseStorage.Dls.UI.ObjectModel.OMCommon.RetentionRange -ArgumentList 1,"months"

$pg = Get-ProtectionGroup -DPMServerName TestingServer

$mpg=Get-ModifiableProtectionGroup $pg[0]

Set-DPMPolicyObjective -RetentionRange 360 -LongTermBackupFrequency Weekly $mpg

### EXAMPLE 3

This command sets the retention range for Testing Server to 12 weeks with a daily backup frequency.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

$mpg=Get-ModifiableProtectionGroup $pg[0]

Set-DPMPolicyObjective -RetentionRangeInWeeks 12 -ShortTermBackupFrequency Daily $mpg

# Set-DPMPolicySchedule

### Set-DPMPolicySchedule

Sets the schedule for various protection jobs like synchronization, recovery point creation (shadow copy), and tape backups.

Syntax

Parameter Set: CheckDataIntegrity  
Set-DPMPolicySchedule [-ProtectionGroup] <ProtectionGroup> [-JobType] <ProtectionJobType> [-PassThru] [-Remove] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: ModifySchedule  
Set-DPMPolicySchedule [-ProtectionGroup] <ProtectionGroup> [-Schedule] <Schedule> [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: OffsetSchedule  
Set-DPMPolicySchedule [-ProtectionGroup] <ProtectionGroup> [-OffsetInMinutes] <Int32> [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Set-DPMPolicySchedule cmdlet sets the schedule for various protection jobs like synchronization, recovery point creation (shadow copy), and tape backups.

Default schedules are set automatically when you specify the protection objective using Set-PolicyObjective.

To modify the default schedules use a Get-PolicySchedule followed by Set-DPMPolicySchedule.

The various schedules that can be set are:

For Express full & SC schedule:

[-TimesOfDay] <TimesOfDay> [-DaysOfWeek]<DaysOfWeek>

Ex: 6:00 AM, 12:00 AM We,Th

For Monthly/HalfYearly/Yearly Archive schedules:

[-StartTime] <StartTime> [-RelativeInterval <RelativeInterval>] [-DayOfWeek <DayOfWeek>]

Ex: -StartTime 1/1/2003 6:00 AM -RelativeInterval First -DayOfWeek Sa

For Daily Archive schedule:

[-TimeOfDay] <TimeOfDay>

Ex: -StartTime 6:00 AM

For Quarterly Archive schedule:

[-StartTime] <StartTime>

Ex: -StartTime 1/1/2003 6:00 AM

The frequency is determined by the input schedule.

### Parameters

### -JobType<ProtectionJobType>

Indicates the type of job for which options are being set. The possible value that this parameter can take is ConsistencyCheck.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -OffsetInMinutes<Int32>

Specify the time in minutes by which you want to offset the start time of a job.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output. Using the PassThru parameter allows such cmdlets to be part of a pipeline.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Provide a protection group object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Remove

Indicates that a remove operation will be performed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Schedule<Schedule>

Provide a schedule object.

A schedule describes the recurrence of the backup job. There is one schedule per job type which DPM triggers. Default schedules are generated by the Set-PolicyObjective cmdlet. To customize the schedule, use Get-PolicySchedule and pass the schedule to Set-DPMPolicySchedule, specifying the backup recurrence.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* ProtectionGroup

### Notes

* For more information, type "Get-Help Get-PolicySchedule -detailed".

For technical information, type "Get-Help Get-PolicySchedule -full".

### Examples

### EXAMPLE 1

Sets the synchronization schedule for a protection group to be carried out on every Monday at 2 a.m.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

$ShadowCopysch = Get-PolicySchedule $pg -ShortTerm

Set-DPMPolicySchedule $pg $ShadowCopysch -DaysOfWeek mo -TimesOfDay 02:00

### EXAMPLE 2

Changes the synchronization schedule of a protection group.

PS C:\>$pg = Get-ProtectionGroup -dpmservername contoso

$SC = Get-PolicySchedule $pg[1] -longterm

$mpg = Get-ModifiableProtectionGroup -protectiongroup $pg[1]

Set-DPMPolicySchedule $mpg -Schedule $sc[2] -TimeOfDay "07:00 PM"

Set-ProtectionGroup $mpg

### Example 3

Allows you to schedule an integrity check on the Contoso DPM server to run every Monday at 6 P.M.

PS C:\>$pg = Get-ProtectionGroup Contoso

$mpg = Get-ModifiableProtectionGroup -ProtectionGroup $pg

Set-DPMPolicySchedule $mpg -JobType CheckDataIntegrity -DaysOfWeek mo -TimesOfDay 18:00

Set-ProtectionGroup $mpg

# Set-DPMProtectionGroup

### Set-DPMProtectionGroup

Saves all the actions performed on the protection group on the DPM server.

Syntax

Parameter Set: Default  
Set-DPMProtectionGroup [-ProtectionGroup] <ProtectionGroup> [-Async] [-TranslateDSList <Datasource[]> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Set-DPMProtectionGroup cmdlet saves all the actions performed on the protection group on the DPM server.

For example, when a new protection group is being created this cmdlet is the final step in the process.

Until the Set-DPMProtectionGroup cmdlet is executed, the actions taken on a modifiable protection group or a new protection group only exist only in the memory.

The sequence of steps when working with a modifiable protection group are:

Get-DPMProtectionGroup

Get-DPMModifiableProtectionGroup

<Perform actions on the protection group>

Set-DPMProtectionGroup

### Parameters

### -Async

Allows the user to indicate that the cmdlet should run asynchronously. This is useful with cmdlets that take a long time to complete. The control returns to the user immediately after the operation starts. The progress of the operation is communicated to the user periodically. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Provide a protection group object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -TranslateDSList<Datasource[]>

Provide a list of data sources that need to be force translated. This helps to regenerate jobs.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* ProtectionGroup

### Notes

* For more information, type "Get-Help Set-DPMProtectionGroup -detailed".

For technical information, type "Get-Help Set-DPMProtectionGroup -full".

### Examples

### EXAMPLE 1

This command saves the protection group. This is the final step in creating a protection group.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

Set-DPMProtectionGroup -ProtectionGroup $pg

# Set-DPMProtectionJobStartTime

### Set-DPMProtectionJobStartTime

Sets or changes the start time of a protection job.

Syntax

Parameter Set: Edit  
Set-DPMProtectionJobStartTime [-ProtectionGroup] <ProtectionGroup> [-JobType] <ProtectionJobType> [-StartTime] <DateTime> [-MaximumDurationInHours] <Int32> [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: OffsetSchedule  
Set-DPMProtectionJobStartTime [-ProtectionGroup] <ProtectionGroup> [-CatalogOffset] <Int32> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: Remove  
Set-DPMProtectionJobStartTime [-ProtectionGroup] <ProtectionGroup> [-JobType] <ProtectionJobType> -Remove [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Set-DPMProtectionJobStartTime cmdlet sets or changes the start time of a protection job, currently only consistency check.

Use the -Remove parameter to stop a protection job.

### Parameters

### -CatalogOffset<Int32>

Provide the number of minutes, after the first scheduled recovery point creation time of the SharePoint farm, at which the catalog should be created.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -JobType<ProtectionJobType>

Indicates the type of job for which options are being set. The possible value that this parameter can take is ConsistencyCheck.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -MaximumDurationInHours<Int32>

Specify the maximum number of hours that a job should run.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 4 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output. Using the PassThru parameter allows such cmdlets to be part of a pipeline.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Provide a protection group object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Remove

Indicates that a remove operation will be performed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -StartTime<DateTime>

Indicates a time when an operation must begin.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* ProtectionGroup

### Notes

* For more information, type "Get-Help Get-ProtectionJobStartTime -detailed".

For technical information, type "Get-Help Get-ProtectionJobStartTime -full".

### Examples

### EXAMPLE 1

This command schedules for a consistency check to run on the protection group at 2 a.m. every day.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

$mpg = Get-ModifiableProtectionGroup -ProtectionGroup $pg

Set-DPMProtectionJobStartTime -ProtectionGroup $mpg -JobType ConsistencyCheck -StartTime 02:00

Set-ProtectionGroup $mpg

# Set-DPMProtectionType

### Set-DPMProtectionType

Allows you to specify the protection type to be used with the protection group.

Syntax

Parameter Set: Default  
Set-DPMProtectionType [-ProtectionGroup] <ProtectionGroup> [-LongTerm <LongTermProtection> ] [-PassThru] [-ShortTerm <DataLocation> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Set-DPMProtectionType cmdlet allows you to specify the protection type to be used with the protection group.

The ShortTerm and LongTerm parameters can be used individually or in a combination to define the various protection types.

The various combinations are:

-ShortTerm Disk: Disk to Disk

-ShortTerm Tape: Disk to Tape

-LongTerm Tape: Disk to Tape (long-term)

-ShortTerm Disk -LongTerm: Disk to Disk to Tape

-ShortTerm Tape -LongTerm: Disk to Tape to Tape

### Parameters

### -LongTerm<LongTermProtection>

Indicates that the protection group is set to long-term tape protection. This parameter can take the values Tape, Online, and OnlineAndTape.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | Tape |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output. Using the PassThru parameter allows such cmdlets to be part of a pipeline.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Provide a protection group object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -ShortTerm<DataLocation>

Indicates that the protection group will be on disk, on tape, or on neither, if nothing is specified.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Set-DPMProtectionType -detailed".

For technical information, type "Get-Help Set-DPMProtectionType -full".

### Examples

### EXAMPLE 1

This command sets the protection type for the protection group to short-term on disk.

PS C:\>$pg = New-ProtectionGroup -DPMServerName TestingServer

Set-DPMProtectionType -ProtectionGroup $pg -ShortTerm disk

### EXAMPLE 2

This command sets the protection type for the protection group to disk to disk to tape.

PS C:\>$pg = New-ProtectionGroup -DPMServerName TestingServer

Set-DPMProtectionType -ProtectionGroup $pg -ShortTerm disk –LongTerm Tape

# Set-DPMReplicaCreationMethod

### Set-DPMReplicaCreationMethod

Set the replica creation method for disk-based protection.

Syntax

Parameter Set: Now  
Set-DPMReplicaCreationMethod [-ProtectionGroup] <ProtectionGroup> -Now [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: Later  
Set-DPMReplicaCreationMethod [-ProtectionGroup] <ProtectionGroup> -Later <DateTime> [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: Manual  
Set-DPMReplicaCreationMethod [-ProtectionGroup] <ProtectionGroup> -Manual [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Set-DPMReplicaCreationMethod cmdlet allows you to specify the replica creation method disk-based protection.

The possible values are Now, Later, and Manual. If you do not specify a value, the default is set to Now.

If you specify Now for disk, it will start replication as soon as the protection group is created. In you use -OnlineReplica, the replication to DPM Online will start only after replication to DPM server disk is completed.

The Set-DPMReplicaCreationMethod cmdlet is the second step to change the replica creation method that is specified for a protection group. First, you must retrieve the replica creation method by using the Get-ReplicaCreationMethod cmdlet.

This cmdlet can only be used if the protection is set to Short-Term for Disk and for Long-Term DPM Online. For any other setting it will show an error. Specifically, this cmdlet does not apply to tape-based protection.

### Parameters

### -Later<DateTime>

Specify the time at which the operation should be performed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Manual

Indicates that the settings will be applied manually.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Now

Indicates that the replica has to be created immediately.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output. Using the PassThru parameter allows such cmdlets to be part of a pipeline.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Provide a protection group object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* ProtectionGroup

### Notes

* For more information, type "Get-Help Set-DPMReplicaCreationMethod -detailed".

For technical information, type "Get-Help Set-DPMReplicaCreationMethod -full".

### Examples

### EXAMPLE 1

This command sets the date for creation of a replica for Trial PG to April 23, 2007.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

$mpg = Get-ModifiableProtectionGroup $pg

Set-DPMReplicaCreationMethod -ProtectionGroup $mpg -Later "23 April 2007"

Set-ProtectionGroup $mpg

# Set-DPMRole

### Set-DPMRole

Allows you to save any changes you have made to a DPM role.

Syntax

Parameter Set: Default  
Set-DPMRole [-DpmRole] <DpmRole> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Set-DPMRole cmdlet allows you to save any changes you have made to a DPM role.

### Parameters

### -DpmRole<DpmRole>

Provide a DPM role for SQL Server end-user recovery.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Set-DPMRole -detailed".

For technical information, type "Get-Help Set-DPMRole -full".

# Set-DPMTape

### Set-DPMTape

Marks the specified tape as Archive, Cleaner, Free or Not Free.

Syntax

Parameter Set: Archive  
Set-DPMTape [-Tape] <Media[]> -Archive [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: Cleaner  
Set-DPMTape [-Tape] <Media[]> -Cleaner [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: Free  
Set-DPMTape [-Tape] <Media[]> -Free [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: Unfree  
Set-DPMTape [-Tape] <Media[]> -NotFree [-PassThru] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Set-DPMTape cmdlet marks the specified tape as Archive, Clearner, Free or Not Free.

### Parameters

### -Archive

Indicates that the media is no longer a cleaning tape and is now an archive tape.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Cleaner

Indicates that the tape is a cleaning tape.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Free

Indicates that the tape is free for use.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -NotFree

Indicates that the tape is not free for use.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output. Using the PassThru parameter allows such cmdlets to be part of a pipeline.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Tape<Media[]>

Indicates a tape object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Tape

### Notes

* For more information, type "Get-Help Set-DPMTape -detailed".

For technical information, type "Get-Help Set-DPMTape -full".

### Examples

### EXAMPLE 1

This command marks the specified tape as Free.

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

$Tape = Get-Tape -DPMLibrary $DPMLib

Set-DPMTape -Tape $Tape[1] -Free

# Set-DPMTapeBackupOption

### Set-DPMTapeBackupOption

Sets the tape backup and library options for a protection group.

Syntax

Parameter Set: LibraryOptions  
Set-DPMTapeBackupOption [-ProtectionGroup] <ProtectionGroup> -BackupLibrary <Library> -DrivesAllocated <Int32> [-PassThru] [-PGSet <PGSet> ] [-RemovePGSet] [-TapeCopyLibrary <Library> ] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: LongTerm  
Set-DPMTapeBackupOption [-ProtectionGroup] <ProtectionGroup> -LongTerm [-CompressData] [-EncryptData] [-PassThru] [-PerformIntegritycheck] [-PGSet <PGSet> ] [-RemovePGSet] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: ShortTerm  
Set-DPMTapeBackupOption [-ProtectionGroup] <ProtectionGroup> -ShortTerm [-CompressData] [-EncryptData] [-PassThru] [-PerformIntegritycheck] [-PGSet <PGSet> ] [-RemovePGSet] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Set-DPMTapeBackupOption sets the tape backup options like library and drive information, and short-term and long-term tape backup options.

The parameters CompressData and EncryptData cannot be run together. To remove data compression and encryption, run the cmdlet with neither parameter.

Long-term and short-term setting cannot be made at the same time. Run the cmdlet individually for each set of settings.

### Parameters

### -BackupLibrary<Library>

Specify the library used for backup.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -CompressData

Indicates that on-wire compression of data must be enabled while archiving.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DrivesAllocated<Int32>

Specify the number of drives allocated to be used in protection.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -EncryptData

Indicates whether the data should be encrypted during backup.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -LongTerm

Indicates that the protection group is set to long-term tape protection.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PassThru

Use the PassThru parameter to allow cmdlets to be part of a pipeline. The -PassThru parameter can be used with many commands in DPM to return a related object in cases where there is no default output. Using the PassThru parameter allows such cmdlets to be part of a pipeline.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PerformIntegritycheck

Indicates that an integrity check must be performed on the tape.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PGSet<PGSet>

Provide the PG set object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

The name of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -RemovePGSet

Indicates that the specified PG set should be removed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ShortTerm

Indicates that the protection group will be on disk, on tape, or on neither, if nothing is specified.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -TapeCopyLibrary<Library>

Specify a library object. The secondary tape library is used while making copies of the tape in the backup library.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* ProtectionGroup

### Notes

* For more information, type "Get-Help Set-DPMTapeBackupOption -detailed".

For technical information, type "Get-Help Set-DPMTapeBackupOption -full".

### Examples

### EXAMPLE 1

This command sets the tape backup options to short-term backup with encryption.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

Set-DPMTapeBackupOption -ProtectionGroup $pg -ShortTerm -EncryptData

### EXAMPLE 2

PS C:\>$pg = Get-ProtectionGroup TestingServer

$mpg = Get-ModifiableProtectionGroup -ProtectionGroup $pg[0]

$Lib = Get-DPMLibrary TestingServer

Set-DPMTapeBackupOption -ProtectionGroup $mpg -BackupLibrary $Lib -DrivesAllocated 1

Set-ProtectionGroup $mpg

# Start-DPMAutoProtection

### Start-DPMAutoProtection

Searches for and indentifies new SQL Server databases under the instances that are configured for auto-protection, and adds them to the protection group.

Syntax

Parameter Set: Default  
Start-DPMAutoProtection [[-DPMServerName] <String> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Start-DPMAutoProtection cmdlet searches for and indentifies new SQL Server databases under the instances that are configured for auto-protection, and adds them to the protection group.

### Parameters

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | ComputerName,CN |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Start-DPMAutoProtection -detailed".

For technical information, type "Get-Help Start-DPMAutoProtection full".

# Start-DPMCloudRegistration

### Start-DPMCloudRegistration

Registers the DPM server with Windows Azure Online Backup service to enable online protection features.

Syntax

Parameter Set: Default  
Start-DPMCloudRegistration [[-DPMServerName] <String> ] [-Credential] <PSCredential> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

This cmdlet registers the DPM server with Windows Azure Online Backup service to enable online protection features.

### Parameters

### -Credential<PSCredential>

Provide the user name and password of the Windows Azure Online Backup subscription administration account.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Examples

### Example 1

Registers DPM server TestingServer for Windows Azure Online Backup.

PS C:\> $secpasswd = ConvertTo-SecureString "myPassword" -AsPlainText -Force

PS C:\> $mycreds = New-Object System.Management.Automation.PSCredential ("user1@contoso.com", $secpasswd)

PS C:\> Start-DPMCloudRegistration -DPMServerName TestingServer -Credential $mycreds

# Start-DPMCloudUnregistration

### Start-DPMCloudUnregistration

Unregisters the DPM server with Windows Azure Online Backup service.

Syntax

Parameter Set: Default  
Start-DPMCloudUnregistration [[-DPMServerName] <String> ] [-Credential] <PSCredential> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

All online data is deleted and storage space is freed up.

### Parameters

### -Credential<PSCredential>

Provide the user name and password of the Windows Azure Online Backup subscription administration account.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Examples

### Example 1

Unregisters DPM server TestingServer from Windows Azure Online Backup.

PS C:\> $secpasswd = ConvertTo-SecureString "myPassword" -AsPlainText -Force

PS C:\> $mycreds = New-Object System.Management.Automation.PSCredential ("user1@contoso.com", $secpasswd)

PS C:\> Start-DPMCloudUnregistration -DPMServerName TestingServer -Credential $mycreds

# Start-DPMCreateCatalog

### Start-DPMCreateCatalog

Generates a catalog for the specified data source.

Syntax

Parameter Set: Datasource  
Start-DPMCreateCatalog [-Datasource] <Datasource> [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Start-DPMCreateCatalog cmdlet generates a catalog for the specified data source.

In DPM 2010, catalog generation is only available for SharePoint farms. A catalog is a list of all the URLs in the farm. It is required for item-level recovery.

### Parameters

### -Datasource<Datasource>

Provide a data source object. A data source may be a Windows file system share or volume, Microsoft SQL Server database, Microsoft Exchange storage group, Microsoft SharePoint farm, Microsoft Virtual Machine, DPM database, or system state that is a member of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -JobStateChangedEventHandler<JobStateChangedEventHandler>

Indicates that the status of the operation should be displayed to the user. The JobStateChangedEventHandler is used along with the -Async parameter. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Start-DPMCreateCatalog -detailed".

For technical information, type "Get-Help Start-DPMCreateCatalog -full".

# Start-DPMDatasourceConsistencyCheck

### Start-DPMDatasourceConsistencyCheck

Performs a consistency check on the specified data source.

Syntax

Parameter Set: Datasource  
Start-DPMDatasourceConsistencyCheck [-Datasource] <Datasource> [[-AdhocJobsContext] <AdhocJobsContext> ] [-ForcedFullCC] [-HeavyWeight] [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: ProtectionGroup  
Start-DPMDatasourceConsistencyCheck [-ProtectionGroup] <ProtectionGroup> [[-AdhocJobsContext] <AdhocJobsContext> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Start-DPMDatasourceConsistencyCheck cmdlet will perform a consistency check on the specified data source.

If you use -Datasource, DPM will perform consistency check for that data source.

If you use -ProtectionGroup, DPM will run a consistency check on all data sources in that protection group that are in an inconsistent state.

### Parameters

### -AdhocJobsContext<AdhocJobsContext>

Context details of the adhoc job. Required only in UI, do not use from PowerShell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Datasource<Datasource>

Provide a data source object. A data source may be a Windows file system share or volume, Microsoft SQL Server database, Microsoft Exchange storage group, Microsoft SharePoint farm, Microsoft Virtual Machine, DPM database, or system state that is a member of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -ForcedFullCC

Forces a heavy-weight consistency check on all the databases in the farm, not just the ones in inconsistent state. Specific to SharePoint.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -HeavyWeight

Indicates that a heavy weight consistency check must be performed. This process checksums the contents of each file. This only affects file servers; consistency check on application servers is always performed as heavy-weight.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -JobStateChangedEventHandler<JobStateChangedEventHandler>

Indicates that the status of the operation should be displayed to the user. The JobStateChangedEventHandler is used along with the -Async parameter. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Provide a protection group object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Start-DPMDatasourceConsistencyCheck -detailed".

For technical information, type "Get-Help Start-DPMDatasourceConsistencyCheck -full".

# Start-DPMDiskRescan

### Start-DPMDiskRescan

Scans for new disks or disks where configuration has changed.

Syntax

Parameter Set: Default  
Start-DPMDiskRescan [[-DPMServerName] <String> ] [ <CommonParameters>]

### Detailed Description

The Start-DPMDiskRescan scans for new disks or disks where configuration has changed on the DPM server.

### Parameters

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Job

### Notes

* For more information, type "Get-Help Start-DPMDiskRescan -detailed".

For technical information, type "Get-Help Start-DPMDiskRescan -full".

### Examples

### EXAMPLE 1

This command scans the specified DPM server for new disks or disks where configuration has changed.

PS C:\>Start-DPMDiskRescan -DPMServerName "TestingServer"

# Start-DPMLibraryInventory

### Start-DPMLibraryInventory

Starts an inventory of the tape in the specified library.

Syntax

Parameter Set: FastInventory  
Start-DPMLibraryInventory [-DPMLibrary] <Library> [-FastInventory] [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: DetailedInventory  
Start-DPMLibraryInventory [-DPMLibrary] <Library> -DetailedInventory [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-Tape <Media[]> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Start-DPMLibraryInventory cmdlet starts an inventory of the tape in the specified library.

You must specify the FastInventory parameter if you do not want detailed inventory to be performed.

### Parameters

### -DetailedInventory

Indicates that a detailed inventory must be performed on the specified library. A detailed inventory will mount and read the header of the tape.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMLibrary<Library>

Specify a DPM library object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -FastInventory

Indicates that a fast inventory must be performed on the specified library. A fast inventory will not read the headers from the tape.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -JobStateChangedEventHandler<JobStateChangedEventHandler>

Indicates that the status of the operation should be displayed to the user. The JobStateChangedEventHandler is used along with the -Async parameter. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Tape<Media[]>

Indicates a tape object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Job

### Notes

* For more information, type "Get-Help Start-DPMLibraryInventory -detailed".

For technical information, type "Get-Help Start-DPMLibraryInventory -full".

### Examples

### EXAMPLE 1

This command performs a fast inventory of the library on the TestingServer.

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

Start-DPMLibraryInventory -DPMLibrary $DPMLib -FastInventory

### EXAMPLE 2

This command performs a detailed inventory of the library on TestingServer.

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

Start-DPMLibraryInventory -DPMLibrary $DPMLib -DetailedInventory

# Start-DPMLibraryRescan

### Start-DPMLibraryRescan

Starts a rescan job in the background to identify new libraries or ones that have changed.

Syntax

Parameter Set: Full  
Start-DPMLibraryRescan [[-DPMServerName] <String> ] [-Full] [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [ <CommonParameters>]  
  
Parameter Set: Quick  
Start-DPMLibraryRescan [[-DPMServerName] <String> ] -Quick [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [ <CommonParameters>]  
  
Parameter Set: RefreshOnly  
Start-DPMLibraryRescan [[-DPMServerName] <String> ] -RefreshOnly [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [ <CommonParameters>]

### Detailed Description

The Start-DPMLibraryRescan cmdlet starts a scan to identify new libraries or ones that have been changed.

### Parameters

### -DPMServerName<String>

Provide the name of the DPM server.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByPropertyName) |
| Accept Wildcard Characters? | false |

### -Full

Indicates that a full library rescan must be done.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -JobStateChangedEventHandler<JobStateChangedEventHandler>

Indicates that the status of the operation should be displayed to the user. The JobStateChangedEventHandler is used along with the -Async parameter. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Quick

Indicates that a quick library rescan should be performed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RefreshOnly

Indicates that only the data should be refreshed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Job

### Notes

* For more information, type "Get-Help Start-DPMLibraryRescan -detailed".

For technical information, type "Get-Help Start-DPMLibraryRescan -full".

### Examples

### EXAMPLE 1

This command starts a rescan of the libraries on TestingServer.

PS C:\>Start-DPMLibraryRescan -DPMServerName TestingServer

# Start-DPMOnline

### Start-DPMOnline

Syntax

Parameter Set:   
Start-DPMOnline [- ] < > [- ] < > [- ] < > [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

This cmdlet has been deprecated.

### Parameters

### -<>

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -<>

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -<>

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

# Start-DPMOnlineRecatalog

### Start-DPMOnlineRecatalog

Returns a detailed list of data on a tape.

Syntax

Parameter Set: Default  
Start-DPMOnlineRecatalog [-RecoveryPoint] <RecoverySource> [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-RecoveryPointLocation <RecoverySourceLocation> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Start-DPMOnlineRecatalog cmdlet returns a detailed list of data on a tape. This is required to perform partial recoveries or recovery of selected files.

### Parameters

### -JobStateChangedEventHandler<JobStateChangedEventHandler>

Indicates that the status of the operation should be displayed to the user. The JobStateChangedEventHandler is used along with the -Async parameter. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RecoveryPoint<RecoverySource>

Provide the recovery point to use.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -RecoveryPointLocation<RecoverySourceLocation>

Specify the location of the recovery point. This is necessary if a recovery item exists in more than one location for the same point in time. For e.g. on a disk and tape, or on two tapes.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Job

### Notes

* For more information, type "Get-Help Start-DPMOnlineRecatalog -detailed".

For technical information, type "Get-Help Start-DPMOnlineRecatalog -full".

### Examples

### EXAMPLE 1

This command performs on online catalog of the recovery point on TestingServer.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

$ds = Get-Datasource -ProtectionGroup $pg

$rp = Get-RecoveryPoint -Datasource $ds

$rsl = Get-RecoveryPointLocation -RecoveryPoint $rp

Start-DPMOnlineRecatalog -RecoveryPoint $rp[1] -RecoveryPointLocation $rsl

# Start-DPMProductionServerSwitchProtection

### Start-DPMProductionServerSwitchProtection

Syntax

Parameter Set:   
Start-DPMProductionServerSwitchProtection [- ] < > [- ] < > [- ] < > [- ] < > [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

This cmdlet has been deprecated.

### Parameters

### -<>

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -<>

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 4 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -<>

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue, ByPropertyName) |
| Accept Wildcard Characters? | false |

### -<>

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

# Start-DPMSwitchProtection

### Start-DPMSwitchProtection

Runs on the secondary DPM server to switch protection for a set of data sources.

Syntax

Parameter Set: Default  
Start-DPMSwitchProtection [-ProtectionGroup] <ProtectionGroup> -Datasource <Datasource[]> [-Async] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Start-DPMSwitchProtection cmdlet is run on the secondary DPM server to switch protection for a set of data sources.

### Parameters

### -Async

Allows the user to indicate that the cmdlet should run asynchronously. This is useful with cmdlets that take a long time to complete. The control returns to the user immediately after the operation starts. The progress of the operation is communicated to the user periodically. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Datasource<Datasource[]>

Provide a data source object. A data source may be a Windows file system share or volume, Microsoft SQL Server database, Microsoft Exchange storage group, Microsoft SharePoint farm, Microsoft Virtual Machine, DPM database, or system state that is a member of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Provide a protection group object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Start-DPMSwitchProtection -detailed".

For technical information, type "Get-Help Start-DPMSwitchProtection -full".

# Start-DPMTapeDriveCleaning

### Start-DPMTapeDriveCleaning

Starts a clean tape drive job.

Syntax

Parameter Set: Default  
Start-DPMTapeDriveCleaning [-TapeDrive] <Drive[]> [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Start-DPMTapeDriveCleaning cmdlet starts a clean tape drive job

### Parameters

### -JobStateChangedEventHandler<JobStateChangedEventHandler>

Indicates that the status of the operation should be displayed to the user. The JobStateChangedEventHandler is used along with the -Async parameter. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -TapeDrive<Drive[]>

Specifies the tape drive to use.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Job

### Notes

* For more information, type "Get-Help Start-DPMTapeDriveCleaning -detailed".

For technical information, type "Get-Help Start-DPMTapeDriveCleaning -full".

### Examples

### EXAMPLE 1

This command performs a clean tape drive operation.

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

$td = Get-TapeDrive -DPMLibrary $DPMLib

Start-DPMTapeDriveCleaning -TapeDrive $td

# Start-DPMTapeErase

### Start-DPMTapeErase

Starts a tape erase job.

Syntax

Parameter Set: Default  
Start-DPMTapeErase [-Tape] <Media[]> [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Start-DPMTapeErase cmdlet starts a tape erase job.

### Parameters

### -JobStateChangedEventHandler<JobStateChangedEventHandler>

Indicates that the status of the operation should be displayed to the user. The JobStateChangedEventHandler is used along with the -Async parameter. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Tape<Media[]>

Indicates a tape object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Job

### Notes

* For more information, type "Get-Help Start-DPMTapeErase -detailed".

For technical information, type "Get-Help Start-DPMTapeErase -full".

### Examples

### EXAMPLE 1

This command erases the contents on the specified tape.

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

$Tape = Get-Tape -DPMLibrary $DPMLib

Start-DPMTapeErase -Tape $Tape[2]

# Start-DPMTapeRecatalog

### Start-DPMTapeRecatalog

Returns information about the data on a tape.

Syntax

Parameter Set: Default  
Start-DPMTapeRecatalog [-Tape] <Media[]> [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Start-DPMTapeRecatalog cmdlet returns information about the data on a tape. This is required to be done before recovering data from the tape.

Use the Start-OnlineRecatalog cmdlet to do a partial recovery of data on a tape.

### Parameters

### -JobStateChangedEventHandler<JobStateChangedEventHandler>

Indicates that the status of the operation should be displayed to the user. The JobStateChangedEventHandler is used along with the -Async parameter. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Tape<Media[]>

Indicates a tape object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* Job

### Notes

* For more information, type "Get-Help Start-DPMTapeRecatalog -detailed".

For technical information, type "Get-Help Start-DPMTapeRecatalog -full".

### Examples

### EXAMPLE 1

This command performs an online re-catalog of the data on the specified tape.

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

$Tape = Get-Tape -DPMLibrary $DPMLib

Start-DPMTapeRecatalog -Tape $Tape[2]

# Stop-DPMJob

### Stop-DPMJob

Stops a running job.

Syntax

Parameter Set: CancelDpmJob  
Stop-DPMJob [-Job] <Job[]> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: CancelDpmTask  
Stop-DPMJob [-Task] <Task[]> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

This cmdlet stops a running job.

### Parameters

### -Job<Job[]>

Provide a Job object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Task<Task[]>

Provide a Task object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Examples

### Example 1

Stops all jobs in progress on a protection group.

PS C:\> $pg = Get-DPMProtectionGroup -DPMServerName TestingServer

PS C:\> $job = Get-dpmjob -ProtectionGroup $pg -status InProgress

PS C:\> Stop-DPMJob $job

# Stop-DPMOnline

### Stop-DPMOnline

Syntax

Parameter Set:   
Stop-DPMOnline [- ] < > [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

This cmdlet has been deprecated.

### Parameters

### -<>

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

# Test-DPMTapeData

### Test-DPMTapeData

Verifies the data set for a recovery point.

Syntax

Parameter Set: Default  
Test-DPMTapeData [-RecoveryPoint] <RecoverySource> [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-RecoveryPointLocation <RecoverySourceLocation> ] [ <CommonParameters>]

### Detailed Description

The Test-DPMTapeData cmdlet verifies the data set for a recovery point.

### Parameters

### -JobStateChangedEventHandler<JobStateChangedEventHandler>

Indicates that the status of the operation should be displayed to the user. The JobStateChangedEventHandler is used along with the -Async parameter. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -RecoveryPoint<RecoverySource>

Specify the recovery point to use.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -RecoveryPointLocation<RecoverySourceLocation>

Specify the location of the recovery point. This is necessary if a recovery item exists in more than one location for the same point in time. For example, on a disk and tape or on two tapes.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Outputs

The output type is the type of the objects that the cmdlet emits.

* RecoveryPoint

### Notes

* For more information, type "Get-Help Test-DPMTapeData -detailed".

For technical information, type "Get-Help Test-DPMTapeData -full".

### Examples

### EXAMPLE 1

This command verifies the recovery point at the specified location.

PS C:\>$pg = Get-ProtectionGroup -DPMServerName TestingServer

$ds = Get-Datasource -ProtectionGroup $pg

$rp = Get-RecoveryPoint -Datasource $ds

$rsl = Get-RecoveryPointLocation -RecoveryPoint $rp[1]

Test-DPMTapeData -RecoveryPoint $rp[1] -RecoveryPointLocation $rsl

# Unlock-DPMLibraryDoor

### Unlock-DPMLibraryDoor

Unlocks the door of the specified library.

Syntax

Parameter Set: Default  
Unlock-DPMLibraryDoor [-DPMLibrary] <Library> [[-Timeout] <Int32> ] [-Async] [-DoorAccessJobStateChangeEventHandler <DoorAccessJobStateChangeEventHandler> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Unlock-DPMLibraryDoor cmdlet unlocks the door of the specified library.

### Parameters

### -Async

Allows the user to indicate that the cmdlet should run asynchronously. This is useful with cmdlets that take a long time to complete. The control returns to the user immediately after the operation starts. The progress of the operation is communicated to the user periodically. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DoorAccessJobStateChangeEventHandler<DoorAccessJobStateChangeEventHandler>

Indicates that a static or member method name of a class can be provided to act as the handler for the progress event of the long running door operation when it is used with the –Async flag. This is the call-back method for an Async door operation. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMLibrary<Library>

Provide a DPM library object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Timeout<Int32>

Indicates when time out should occur.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* If the operation times out, the door locks automatically.

For more information, type "Get-Help Unlock-DPMLibraryDoor -detailed".

For technical information, type "Get-Help Unlock-DPMLibraryDoor -full".

### Examples

### EXAMPLE 1

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

Unlock-DPMLibraryDoor -DPMLibrary $DPMLib

# Unlock-DPMLibraryIEPort

### Unlock-DPMLibraryIEPort

Unlocks the IE port for the specified library.

Syntax

Parameter Set: Default  
Unlock-DPMLibraryIEPort [-DPMLibrary] <Library> [-Async] [-JobStateChangedEventHandler <JobStateChangedEventHandler> ] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Unlock-DPMLibraryIEPort cmdlet unlocks the IE port for the specified library.

### Parameters

### -Async

Allows the user to indicate that the cmdlet should run asynchronously. This is useful with cmdlets that take a long time to complete. The control returns to the user immediately after the operation starts. The progress of the operation is communicated to the user periodically. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -DPMLibrary<Library>

Provide a DPM library object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -JobStateChangedEventHandler<JobStateChangedEventHandler>

Indicates that the status of the operation should be displayed to the user. The JobStateChangedEventHandler is used along with the -Async parameter. This is useful when building a GUI using cmdlets. It is not used when working with the DPM Management Shell.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Unlock-DPMLibraryIEPort -detailed".

For technical information, type "Get-Help Unlock-DPMLibraryIEPort -full".

### Examples

### EXAMPLE 1

PS C:\>$DPMLib = Get-DPMLibrary -DPMServerName "TestingServer"

Unlock-DPMLibraryDoor -DPMLibrary $DPMLib

# Update-DPMJob

### Update-DPMJob

Syntax

Parameter Set:   
Update-DPMJob [-Job] < > [ <CommonParameters>]

### Detailed Description

This cmdlet has been deprecated.

### Parameters

### -Job<>

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

# Update-DPMPGSet

### Update-DPMPGSet

Updates and saves the changes made to the specified PG set.

Syntax

Parameter Set: AllParams  
Update-DPMPGSet [-PGSet] <PGSet> [-Name] <String> [-WritePeriodUnit] <TimeUnit> [[-AllowDifferentRetentionPeriods]] [-WritePeriodValue] <UInt32> [-ExpiryToleranceUnit] <TimeUnit> [-ExpiryToleranceValue] <UInt32> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: AddPG  
Update-DPMPGSet [-PGSet] <PGSet> [-Add] <ProtectionGroup> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: AllowDiffRetnPeriodsFlag  
Update-DPMPGSet [-PGSet] <PGSet> [-AllowDifferentRetentionPeriods] [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: ChangeName  
Update-DPMPGSet [-PGSet] <PGSet> [-Name] <String> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: ChangeTimePeriods  
Update-DPMPGSet [-PGSet] <PGSet> [-WritePeriodUnit] <TimeUnit> [-WritePeriodValue] <UInt32> [-ExpiryToleranceUnit] <TimeUnit> [-ExpiryToleranceValue] <UInt32> [-Confirm] [-WhatIf] [ <CommonParameters>]  
  
Parameter Set: RemovePG  
Update-DPMPGSet [-PGSet] <PGSet> [-Remove] <ProtectionGroup> [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Update-DPMPGSet cmdlet updates and saves the changes made to the specified PG set.

### Parameters

### -Add<ProtectionGroup>

Indicates that the protection group must be added to the protection group set.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -AllowDifferentRetentionPeriods

Indicates if protection groups with different retention periods can be in the same protection group set.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ExpiryToleranceUnit<TimeUnit>

Specify the measurement unit for expiry tolerance.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 4 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ExpiryToleranceValue<UInt32>

Specify the maximum length of time for which an expired recovery point can remain on a tape until the tape is marked as expired.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 5 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Name<String>

Provide a new name of the PG set.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -PGSet<PGSet>

Specify the PG set to be updated.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | True (ByValue) |
| Accept Wildcard Characters? | false |

### -Remove<ProtectionGroup>

Specifies the protection group to remove from the protection group set.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WritePeriodUnit<TimeUnit>

Specify the measurement unit for write period.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WritePeriodValue<UInt32>

Provide the length of time for which a tape is available for writing new backups. The tape is marked as Offsite Ready after this.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Update-DPMPGSet -detailed".

For technical information, type "Get-Help Update-DPMPGSet -full".

# Update-DPMProductionServer

### Update-DPMProductionServer

Gets updated information about the protected computer.

Syntax

Parameter Set: Default  
Update-DPMProductionServer [-ProductionServer] <ProductionServer> [ <CommonParameters>]

### Detailed Description

This cmdlet gets updated information about the protected computer.

### Parameters

### -ProductionServer<ProductionServer>

Specify a server that has a DPM agent installed on it.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Update-DPMProductionServer -detailed".

For technical information, type "Get-Help Update-DPMProductionServer -full".

# Update-DPMProtectionGroup

### Update-DPMProtectionGroup

Refreshes the protection group configuration to update any changes to protected data sources.

Syntax

Parameter Set: Default  
Update-DPMProtectionGroup [-ProtectionGroup] <ProtectionGroup> [[-Datasource] <Datasource[]> ] [[-Inquire]] [-Confirm] [-WhatIf] [ <CommonParameters>]

### Detailed Description

The Update-DPMProtectionGroup cmdlet refreshes the protection group configuration to update any changes to protected data sources.

In earlier versions, you would run through the modify protection group wizard without changing any settings to reflect changes to protected data sources. This cmdlet allows you to do the same using PowerShell.

### Parameters

### -Datasource<Datasource[]>

Provide a data source object. A data source may be a Windows file system share or volume, Microsoft SQL Server database, Microsoft Exchange storage group, Microsoft SharePoint farm, Microsoft Virtual Machine, DPM database, or system state that is a member of a protection group.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 2 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Inquire

Indicates that a fresh inquiry must be performed.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | false |
| Position? | 3 |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -ProtectionGroup<ProtectionGroup>

Provide a protection group object.

|  |  |
| --- | --- |
| Aliases | none |
| Required? | true |
| Position? | 1 |
| Default Value | none |
| Accept Pipeline Input? | true (ByValue) |
| Accept Wildcard Characters? | false |

### -Confirm

Prompts you for confirmation before executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### -WhatIf

Describes what would happen if you executed the command without actually executing the command.

|  |  |
| --- | --- |
| Required? | false |
| Position? | named |
| Default Value | none |
| Accept Pipeline Input? | false |
| Accept Wildcard Characters? | false |

### <CommonParameters>

This cmdlet supports the common parameters: -Verbose, -Debug, -ErrorAction, -ErrorVariable, -OutBuffer, and -OutVariable. For more information, see [about\_CommonParameters](http://technet.microsoft.com/en-us/library/dd315352.aspx).

### Notes

* For more information, type "Get-Help Update-DPMProtectionGroup -detailed".

For technical information, type "Get-Help Update-DPMProtectionGroup -full".

### Examples

### EXAMPLE 1

This command will refresh the protection group configuration after running inquiry for the specified data source.

PS C:\>$PG=Get-DPMProtectionGroup -DPMServerName "TestingServer"

$DS=Get-DPMDatasource -ProtectionGroup $PG

Update-DPMProtectionGroup -ProtectionGroup $PG -Datasource $DS[0] -Inquire