

Quest Recovery Manager for Active Directory  
10.4

**Management Shell Guide**



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# Contents

<b>Overview</b> .....	<b>5</b>
About Management Shell .....	5
Installing and opening Management Shell .....	5
Installation requirements .....	5
Installing Management Shell .....	6
Opening Management Shell .....	6
Getting Help .....	6
Descriptions of PowerShell commands .....	7
Add-RMADBackup .....	11
Add-RMADCollectionItem.....	14
Add-RMADReplicationConsole .....	20
Add-RMADStorageServer .....	23
Backup-RMADCollection .....	26
Compare-RMADObject.....	28
Convert-RMADBackup .....	37
ConvertTo-RMADRecycledObject.....	39
Create-RMADStorageAgentSetup .....	43
Expand-RMADBackup.....	45
Export-RMADBackup .....	48
Export-RMADSecureStorageBackup .....	50
Export-RMADStorageServers .....	53
Get-RMADBackup .....	54
Get-RMADBackupAgent.....	62
Get-RMADBackupInfo .....	64
Get-RMADBackupObject.....	67
Get-RMADBackupSecurityStatus .....	72
Get-RMADCollection .....	73
Get-RMADCollectionItem .....	75
Get-RMADConsoleConfigurationBackup .....	80
Get-RMADDeletedObject .....	81
Get-RMADGlobalOptions .....	88
Get-RMADHybridRecoveryDomainOptions .....	90
Get-RMADHybridRecoveryOptions .....	91
Get-RMADLicenseInfo.....	92
Get-RMADObject.....	94
Get-RMADReplicationConsole .....	101
Get-RMADReplicationSchedule .....	102
Get-RMADReplicationSession .....	103
Get-RMADReplicationSessionItem .....	104

Get-RMADReportObject.....	106
Get-RMADReportObjectAttributes.....	107
Get-RMADReportObjectChildren.....	109
Get-RMADReportSession.....	110
Get-RMADSession.....	111
Get-RMADSessionItem.....	115
Get-RMADSessionItemEvent.....	117
Get-RMADStorageServer.....	119
Import-RMADBackup.....	120
Install-RMADBackupAgent.....	122
New-RMADCollection.....	125
New-RMADSchedule.....	127
Protect-RMADSecureStorageServer.....	133
Publish-RMADBackupSecurityStatus.....	135
Refresh-RMADStorageServer.....	137
Register-RMADSecureStorageBackups.....	139
Remove-RMADBackup.....	141
Remove-RMADBackupAgent.....	144
Remove-RMADCollection.....	146
Remove-RMADCollectionItem.....	149
Remove-RMADReplicationConsole.....	151
Remove-RMADReplicationSchedule.....	153
Remove-RMADReplicationSession.....	154
Remove-RMADSession.....	155
Remove-RMADStorageServer.....	157
Remove-RMADUnpackedComponent.....	160
Rename-RMADCollection.....	162
Restore-RMADDeletedObject.....	166
Restore-RMADDomainController.....	176
Restore-RMADObject.....	181
Set-RMADCollection.....	189
Set-RMADGlobalOptions.....	198
Set-RMADHybridRecoveryDomainOptions.....	202
Set-RMADHybridRecoveryOptions.....	205
Set-RMADReplicationConsole.....	209
Set-RMADReplicationSchedule.....	213
Start-RMADHybridRecoveryDiscovery.....	215
Start-RMADReplication.....	217
Start-RMADReportViewer.....	219
Test-RMADBackup.....	220
Test-RMADSecureStorageBackup.....	222
Update-RMADBackupAgent.....	224
Update-RMADLicense.....	227
<b>About us.....</b>	<b>229</b>

# Overview

- [Installing and Opening Management Shell](#)
- [Getting Help](#)
- [Descriptions of PowerShell Commands](#)

## About Management Shell

The Recovery Manager for Active Directory Management Shell, built on Microsoft Windows PowerShell® technology, provides a command-line interface that enables automation of backup/recovery-related administrative tasks. With this Management Shell, administrators can manage Computer Collections, backup/recovery sessions, compare and start backup/recovery jobs.

The Management Shell command-line tools (cmdlets), like all the Windows PowerShell® cmdlets, are designed to deal with objects—structured information that is more than just a string of characters appearing on the screen. The cmdlets do not use text as the basis for interaction with the system, but use an object model that is based on the Microsoft .NET platform. In contrast to traditional, text-based commands, the cmdlets do not require the use of text-processing tools to extract specific information. Rather, you can access portions of the data directly by using standard Windows PowerShell® object manipulation commands.

## Installing and opening Management Shell

This section covers:

- [Installation requirements](#)
- [Installing Management Shell](#)
- [Opening Management Shell](#)

## Installation requirements

Before you install the Recovery Manager for Active Directory Management Shell, ensure that your system meets the system requirements provided.

### Requirements

Microsoft Windows PowerShell® version 5.0 or later

# Installing Management Shell

## To install Management Shell

1. Run the **Setup.exe** file included with the Recovery Manager for Active Directory installation package, and follow the instructions in the Setup Wizard.
2. To install Recovery Manager for Active Directory with default parameters (this includes installing the Management Shell component), click **Express**, and then follow the provided instructions to complete the Setup Wizard.

## Opening Management Shell

You can open the Management Shell by using either of the following procedures. Each procedure loads the Recovery Manager for Active Directory Management Shell snap-in into Windows PowerShell®. If you do not load the Recovery Manager for Active Directory Management Shell snap-in before you run a command (cmdlet) provided by that snap-in, you will receive an error.

**NOTE** Verify that the user account under which you run Recovery Manager for Active Directory Management Shell console has the **Write** permission to the **%ProgramData%\Quest\Recovery Manager for Active Directory** folder. Otherwise, you will get warning messages when you run the snap-in cmdlets.

## To open the Management Shell

1. Start Windows PowerShell®.

You can do so by running the **powershell** command at a command prompt (Cmd.exe).

2. At the Windows PowerShell® prompt, enter the following command: `Add-PSSnapin Quest.RecoveryManager.AD.*`

Alternatively, you can complete the following steps related to your version of Windows:

On the **Start** screen, click the **Management Shell** tile.

Upon the shell start, the console may present you with a message stating that a certain file published by Quest® is not trusted on your system. This security message indicates that the certificate the file is digitally signed with is not trusted on your computer, so the console requires you to enable trust for the certificate issuer before the file can be run. Press either R (Run once) or A (Always run). To prevent this message from appearing in the future, it is advisable to choose the second option (A).

## Getting Help

The Recovery Manager for Active Directory Management Shell uses the Windows PowerShell® help cmdlets to assist you in finding the appropriate information to accomplish your task. The following table provides some examples of how to use the **Get-Help** and **Get-Command** cmdlets to access the help information that is available for each cmdlet in the Recovery Manager for Active Directory Management Shell.

### Get-Help

When you use **Get-Help** without any parameters, you are presented with basic instructions on how to use the help system in Windows PowerShell®, including Help for the Recovery Manager for Active Directory Management Shell.

## Get-Help

When you use **Get-Help** with the name of a cmdlet as an argument, you are presented with the help information for that cmdlet. For example, to retrieve the help information for the **Get-RMADCollection** cmdlet, use the following command:

```
Get-Help Get-RMADCollection
```

## Get-Command

**Get-Command** without any parameters lists all the cmdlets that are available to the shell. You can use the **Get-Command** cmdlet with the **Format-List** or **Format-Table** cmdlet to provide a more readable display. For example, use **Get-Command | Format-List** to display the output in a list format. To display a list of all the Recovery Manager for Active Directory Management Shell cmdlets that are available to the shell, use the following syntax:

```
Get-Command *RMAD*
```

## Get-Command

When you use **Get-Command** with the name of a cmdlet as an argument, you are presented with information about the parameters and other components of that cmdlet. The `<Cmdlet>` entry allows for wildcard character expansion. For example, to retrieve information about the cmdlets with the names ending in **Member**, you can use the following command:

```
Get-Command *Member
```

# Descriptions of PowerShell commands

## PowerShell cmdlets for Recovery Manager for Active Directory

Cmdlet	Description
<a href="#">Add-RMADBackup</a>	Registers a backup in the Recovery Manager database.
<a href="#">Add-RMADCollectionItem</a>	Adds a new item to a Computer Collection.
<a href="#">Add-RMADReplicationConsole</a>	Adds a RMAD console as a replication source.
<a href="#">Add-RMADStorageServer</a>	Adds a secure storage server, optionally remotely installs a storage server agent.
<a href="#">Backup-RMADCollection</a>	Backs up an existing computer collection.
<a href="#">Compare-RMADObject</a>	Compares Active Directory objects. This cmdlet requires Windows PowerShell to be started using a multi-threaded apartment (MTA).
<a href="#">Convert-RMADBackup</a>	Converts Windows Server backups into RMAD Bare Metal Recovery backups.
<a href="#">ConvertTo-RMADRecycledObject</a>	Recycles specific deleted Active Directory objects.
<a href="#">Create-RMADStorageAgentSetup</a>	Creates storage server agent setup.
<a href="#">Expand-RMADBackup</a>	Extracts the contents of a specified backup file.

Cmdlet	Description
Export-RMADBackup	Exports registration information for a backup into an .xml file.
Export-RMADSecureStorageBackup	Exports a backup on a Secure Storage server to a remote network share.
Export-RMADStorageServers	Exports secure storage servers in CSV file.
Get-RMADBackup	Gets backups registered with Recovery Manager.
Get-RMADBackupAgent	Retrieves objects that represent Recovery Manager Backup Agents, or discovers manually preinstalled Recovery Manager Backup Agents.
Get-RMADBackupInfo	Gets the content of the backups held at a specified location.
Get-RMADBackupObject	Get objects from backups
Get-RMADBackupSecurityStatus	Gets security check information for a specified backup.
Get-RMADCollection	Retrieves Recovery Manager computer collection objects or default computer collection settings.
Get-RMADCollectionItem	Retrieves information about items contained in specified Recovery Manager for Active Directory computer collections.
Get-RMADConsoleConfigurationBackup	Retrieves console configuration backups registered for a specified Secure Storage server.
Get-RMADDeletedObject	Retrieves deleted Active Directory objects.
Get-RMADGlobalOptions	Sets global settings for the application.
Get-RMADHybridRecoveryDomainOptions	Gets the domain systems associated with the Hybrid Connector.
Get-RMADHybridRecoveryOptions	Gets the information related to the Hybrid Connector.
Get-RMADLicenseInfo	Retrieves information about the installed license key file.
Get-RMADObject	Retrieves specific objects from Active Directory or certain backups registered with Recovery Manager for Active Directory.
Get-RMADReplicationConsole	Gets all the RMAD consoles in the replication console list.
Get-RMADReplicationSchedule	Allows you to get the replication schedule from a specified computer.
Get-RMADReplicationSession	Retrieves information about replication sessions.
Get-RMADReplicationSessionItem	Retrieves a list of remote consoles that are involved in the specified replication session.
Get-RMADReportObject	Retrieves an object representing the online comparison or restore operation item.
Get-RMADReportObjectAttributes	Retrieves an object representing the online comparison or restore operation item attributes.

Cmdlet	Description
<a href="#">Get-RMADReportObjectChildren</a>	Retrieves an object representing the online comparison or restore operation item child items.
<a href="#">Get-RMADReportSession</a>	Retrieves an object representing the online comparison or restore operation report.
<a href="#">Get-RMADSession</a>	Retrieves an object representing Recovery Manager backup sessions.
<a href="#">Get-RMADSessionItem</a>	Gets items from a specified backup creation session.
<a href="#">Get-RMADSessionItemEvent</a>	Gets events from a specified backup creation session item.
<a href="#">Get-RMADStorageServer</a>	Returns a list of registered secure storage servers.
<a href="#">Import-RMADBackup</a>	Reads the backup registration information from the .xml file and returns backup descriptions in the BackupInfo objects.
<a href="#">Install-RMADBackupAgent</a>	Installs Recovery Manager Backup Agent on a specified computer or on each computer in a particular Computer Collection.
<a href="#">New-RMADCollection</a>	Creates a new computer collection.
<a href="#">New-RMADSchedule</a>	Creates a schedule for the backup creation operation you want to perform on a particular computer collection.
<a href="#">Protect-RMADSecureStorageServer</a>	Enables storage server hardening.
<a href="#">Publish-RMADBackupSecurityStatus</a>	Publishes security check information for a specified backup.
<a href="#">Refresh-RMADStorageServer</a>	Refreshes current information of the secure storage server.
<a href="#">Register-RMADSecureStorageBackups</a>	Registers backups on an existing secure storage server in a Recovery Manager database.
<a href="#">Remove-RMADBackup</a>	Allows you to selectively unregister backups from the Recovery Manager backup registration database.
<a href="#">Remove-RMADBackupAgent</a>	Removes Recovery Manager Backup Agent from a specified computer, or its registration information from the Recovery Manager Console.
<a href="#">Remove-RMADCollection</a>	Deletes specified Computer Collections.
<a href="#">Remove-RMADCollectionItem</a>	Removes items from a specified Computer Collection.
<a href="#">Remove-RMADReplicationConsole</a>	Removes an RMAD console from the replication console list.
<a href="#">Remove-RMADReplicationSchedule</a>	Allows you to remove the replication schedule from a specified computer.
<a href="#">Remove-RMADReplicationSession</a>	Deletes replication sessions from the replication history.
<a href="#">Remove-RMADSession</a>	Allows you to selectively delete specified Recovery Manager backup session(s).
<a href="#">Remove-RMADStorageServer</a>	Removes the secure storage server.

Cmdlet	Description
<a href="#">Remove-RMADUnpackedComponent</a>	Allows you to delete components (data) unpacked from specified backups.
<a href="#">Rename-RMADCollection</a>	Renames a computer collection.
<a href="#">Restore-RMADDeletedObject</a>	Restores deleted Active Directory objects. This cmdlet requires Windows PowerShell to be started using a multi-threaded apartment (MTA).
<a href="#">Restore-RMADDomainController</a>	Restores a domain controller from backup.
<a href="#">Restore-RMADObject</a>	Restores Active Directory objects from a backup. This cmdlet requires Windows PowerShell to be started using a multi-threaded apartment (MTA).
<a href="#">Set-RMADCollection</a>	Sets properties for a computer collection.
<a href="#">Set-RMADGlobalOptions</a>	Sets global application settings
<a href="#">Set-RMADHybridRecoveryDomainOptions</a>	Sets the domain systems associated with the Hybrid Connector.
<a href="#">Set-RMADHybridRecoveryOptions</a>	Sets the domain systems associated with the Hybrid Connector.
<a href="#">Set-RMADReplicationConsole</a>	Sets replication properties of consoles in the replication console list.
<a href="#">Set-RMADReplicationSchedule</a>	Sets replication schedules for a computer.
<a href="#">Start-RMADHybridRecoveryDiscovery</a>	Start the Hybrid Recovery Discovery to update the database with a new domain discovered via the backup. This cmdlet is "for internal use only".
<a href="#">Start-RMADReplication</a>	Performs replication from other computers in the replication console list.
<a href="#">Start-RMADReportViewer</a>	Displays a report about the results of the online comparison or restore operation.
<a href="#">Test-RMADBackup</a>	Checks the integrity of backups registered with Recovery Manager.
<a href="#">Test-RMADSecureStorageBackup</a>	Checks the integrity of a backup on the secure storage server.
<a href="#">Update-RMADBackupAgent</a>	Upgrades Recovery Manager Backup Agent on a specified computer or on each computer in a particular Computer Collection.
<a href="#">Update-RMADLicense</a>	Updates license key file.

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

schema: 2.0.0

## Add-RMADBackup

### SYNOPSIS

Registers a backup in the Recovery Manager database.

### SYNTAX

#### BackupInfo

```
Add-RMADBackup [-InputObject] <BackupInfo[]> [-SkipAlreadyRegistered] [-CheckIntegrity] [-BackupPassword <SecureString>] [-IgnoreReadOnly] [<CommonParameters>]
```

#### Bkf

```
Add-RMADBackup [-CheckIntegrity] [-Path] <String[]> [-BackupPassword <SecureString>] [-IgnoreReadOnly] [<CommonParameters>]
```

#### OfflineDit

```
Add-RMADBackup [-Path] <String[]> [-SysvolPath <String[]>] [-ResolveIndexes <Boolean>] [-OfflineDit] [-IgnoreReadOnly] [<CommonParameters>]
```

### DESCRIPTION

Registers specified backup in the Recovery Manager database. Use the -InputObject parameter to specify the backup to register.

### EXAMPLES

#### Example

```
PS C:\> $b = Get-ChildItem "C:\Backups" -Filter *.bkf -Recurse | Get-RMADBackupInfo
```

```
C:\PS>Add-RMADBackup $b
```

The first line of this example gets the backups held in the C:\Backups folder and its subfolders, and saves the backup objects in the \$b variable. The second line of this example registers the backup objects in the Recovery Manager database.

### PARAMETERS

#### -BackupPassword

Specifies the password to access a password-protected backup. This is the same password that is set in the computer collection properties in the Recovery Manager console.

Type: SecureString  
Parameter Sets: BackupInfo, Bkf  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-CheckIntegrity**

Forces checking the integrity of backups after they are registered in the Recovery Manager database.

Type: SwitchParameter  
Parameter Sets: BackupInfo, Bkf  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-InputObject**

Accepts a backup object as input to the cmdlet. Enter a variable that contains the objects or type a command or expression that gets the objects.

Type: BackupInfo[]  
Parameter Sets: BackupInfo  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

### **-OfflineDit**

Specifies that the application registers the DIT file as a backup.

Type: SwitchParameter  
Parameter Sets: OfflineDit  
Aliases:

Required: True  
Position: Named

Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Path**

Path to the backup file.

Type: String[]  
Parameter Sets: Bkf, OfflineDit  
Aliases: FullName

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByPropertyName, ByValue)  
Accept wildcard characters: False

## **-ResolveIndexes**

Resolve the DIT file index.

Type: Boolean  
Parameter Sets: OfflineDit  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-SkipAlreadyRegistered**

Do not display the error message if the backup is registered.

Type: SwitchParameter  
Parameter Sets: BackupInfo  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-SysvolPath**

Path to the SYSVOL folder.

Type: String[]  
Parameter Sets: OfflineDit  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Add-RMADCollectionItem

## SYNOPSIS

Adds a new item to a Computer Collection.

## SYNTAX

### InputObject

```
Add-RMADCollectionItem [-InputObject] <ComputerCollection> [-DomainController <String>] [-Domain <String>] [-OU <String>] [-Container <String>] [-ADSite <String>] [-AdamSite <String>] [-AdamServer <String>] [-AdamHost <String>] [-Exclusions <String[]>] [-Credentials <PSCredential>] [-IgnoreReadOnly] [<CommonParameters>]
```

### Name

```
Add-RMADCollectionItem -Name <String> [-DomainController <String>] [-Domain <String>] [-OU <String>] [-Container <String>] [-ADSite <String>] [-AdamSite <String>] [-AdamServer <String>] [-AdamHost <String>] [-Exclusions <String[]>] [-Credentials <PSCredential>] [-IgnoreReadOnly] [<CommonParameters>]
```

## Id

```
Add-RMADCollectionItem -Id <Int32> [-DomainController <String>] [-Domain <String>] [-OU <String>] [-Container <String>] [-ADSite <String>] [-AdamSite <String>] [-AdamServer <String>] [-AdamHost <String>] [-Exclusions <String[]>] [-Credentials <PSCredential>] [-IgnoreReadOnly] [<CommonParameters>]
```

## Domain

```
Add-RMADCollectionItem [-Domain <String>] [-Exclusions <String[]>] [-IgnoreReadOnly] [<CommonParameters>]
```

## OU

```
Add-RMADCollectionItem [-OU <String>] [-Exclusions <String[]>] [-Credentials <PSCredential>] [-IgnoreReadOnly] [<CommonParameters>]
```

## Container

```
Add-RMADCollectionItem [-Container <String>] [-Exclusions <String[]>] [-Credentials <PSCredential>] [-IgnoreReadOnly] [<CommonParameters>]
```

## ADSite

```
Add-RMADCollectionItem [-ADSite <String>] [-Exclusions <String[]>] [-Credentials <PSCredential>] [-IgnoreReadOnly] [<CommonParameters>]
```

## AdamServer

```
Add-RMADCollectionItem [-AdamSite <String>] [-AdamServer <String>] [-Credentials <PSCredential>] [-IgnoreReadOnly] [<CommonParameters>]
```

## AdamSite

```
Add-RMADCollectionItem [-AdamSite <String>] [-Exclusions <String[]>] [-Credentials <PSCredential>] [-IgnoreReadOnly] [<CommonParameters>]
```

## DESCRIPTION

Adds a new item to the Computer Collection that has the specified name or is represented by the specified objects.

## EXAMPLES

### Example 1

```
PS C:\> Add-RMADCollectionItem -Name Collection1 -DomainController dc1.dom1.local
```

Adds the dc1.dom1.local domain controller to the computer collection named Collection1.

## Example 2

```
PS C:\> $c = Get-RMADCollection Collection1
```

```
C:\PS>Add-RMADCollectionItem -InputObject $c -Domain dom1.local
```

In the first line of this example, the `Get-RMADCollection` cmdlet gets the computer collection object named `Collection1` and saves it in the `$c` variable. In the second line, the `Add-RMCollection` cmdlet adds the `dom1.local` domain to the Computer Collection object saved in the `$c` variable.

## Example 3

```
PS C:\> Add-RMADCollectionItem -Name Collection1 -OU  
"OU=Tokens,OU=Defender,DC=prod,DC=quest,DC=corp"
```

Adds an OU to the Computer Collection.

## Example 4

```
PS C:\> Add-RMADCollectionItem -Name Collection1 -Container  
"CN=Computers,DC=prod,DC=quest,DC=corp"
```

Adds a container to the Computer Collection.

## Example 5

```
PS C:\> $dn = "CN=Default-First-Site-  
Name,CN=Sites,CN=Configuration,DC=prod,DC=quest,DC=corp"  
Add-RMADCollectionItem -Name Collection1 -ADSite $dn -Exclusions  
@"ws1.prod.quest.corp:0")
```

Create an AD Site exclude from the domain controller (`ws1.prod.quest.corp:0`) and add it to the Computer Collection.

## Example 6

```
PS C:\> $dn = "CN=Default-First-Site-  
Name,CN=Sites,CN=Configuration,CN={7B1308BE-06B9-4925-BEF5-C323292279F5}"  
Add-RMADCollectionItem -Name Collection1 -AdamServer  
ws1.prod.quest.corp:389 -AdamSite dn
```

Create an Adam Site and add it to the Computer Collection.

# PARAMETERS

## -AdamHost

Specifies the name of the server for the AD LDS instance installation.

Type: String

Parameter Sets: InputObject, Name, Id

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## -AdamServer

Name of the AD LDS instance.

Type: String  
Parameter Sets: InputObject, Name, Id, AdamServer  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-AdamSite**

Specifies the distinguished name of the ADAM/AD LDS site to be added to the Computer Collection. Use it in conjunction with AdamServer.

Type: String  
Parameter Sets: InputObject, Name, Id, AdamServer, AdamSite  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-ADSite**

Specifies the distinguished name of the Active Directory site to be added to the Computer Collection.

Type: String  
Parameter Sets: InputObject, Name, Id, ADSite  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Container**

Specifies the distinguished name of the container to be added to the Computer Collection.

Type: String  
Parameter Sets: InputObject, Name, Id, Container  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Credentials**

Specifies the credentials for the account with which you want to connect. Use the Get-Credential cmdlet provided by Windows PowerShell to pass a PSCredential object to this parameter.

Type: PSCredential  
Parameter Sets: InputObject, Name, Id, OU, Container, ADSite, AdamServer, AdamSite  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Domain**

Specifies the DNS name of the domain to be added to the Computer Collection.

Type: String  
Parameter Sets: InputObject, Name, Id, Domain  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-DomainController**

Specifies the DNS name of the domain controller to be added to the Computer Collection.

Type: String  
Parameter Sets: InputObject, Name, Id  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Exclusions**

Excludes a specified domain controller from the collection items to be added. The parameter must be used in conjunction with other parameters.

Type: String[]  
Parameter Sets: InputObject, Name, Id, Domain, OU, Container, ADSite, AdamSite  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Id**

Specifies the identifier of the Computer Collection to which you want to add items.

Type: Int32  
Parameter Sets: Id  
Aliases:

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-InputObject**

Specifies the object representing the Computer Collections to which you want to add items. Enter a variable that contains the objects or type a command or expression that gets the objects.

Type: ComputerCollection  
Parameter Sets: InputObject  
Aliases: Collection

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

## **-Name**

Specifies the name of the Computer Collection to which you want to add items.

Type: String  
Parameter Sets: Name  
Aliases:

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-OU**

Specifies the distinguished name of the organizational unit to be added to the Computer Collection.

Type: String  
Parameter Sets: InputObject, Name, Id, OU  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

schema: 2.0.0

# Add-RMADReplicationConsole

## SYNOPSIS

Adds a RMAD console as a replication source.

## SYNTAX

```
Add-RMADReplicationConsole [-ComputerName] <String> [-Mode]
<ReplicationMode>
  [-AccessCredential <PSCredential>] [-FallbackCredential <PSCredential>] [-
FileSyncEnabled <Boolean>]
  [-SourceFiles <String>] [-TargetFolder <String>] [<CommonParameters>]
```

## DESCRIPTION

RMAD console can synchronize the backups, collections, global options, schedules, Secure Storage servers and backups stored on Secure Storage servers from the consoles in the replication console list manually or on schedule.

## EXAMPLES

### Example 1

```
PS C:\> C:\>$credential = Get-Credential
C:\>Add-RMADReplicationConsole Hostname1 -AccessCredential $credential
-Mode Backups
```

This command adds the RMAD console on Hostname1 to the replication console list with the Backups mode enabled.

### Example 2

```
PS C:\> C:\>Add-RMADReplicationConsole -ComputerName Hostname1 -Mode Full
```

This command adds the RMAD console on Hostname1 to the replication console list with the Full mode enabled.

### Example 3

```
PS C:\> C:\>$fallbackAccount = Get-Credential
C:\>Add-RMADReplicationConsole -ComputerName Hostname1 -Mode Full
-FallbackCredential $fallbackAccount
```

This command adds the RMAD console on Hostname1 to the replication console list with the Full mode enabled and with the specified fallback account.

### Example 4

```
PS C:\> C:\>Add-RMADReplicationConsole -ComputerName Hostname1 -Mode Full -
FileSyncEnabled $true -SourceFiles "C:\MyProjectFiles\*.frproj" -
TargetFolder "C:\MyProjectFiles"
```

This command adds the RMAD console on Hostname1 to the replication console list with the Full mode enabled and with replication of the forest recovery project files.

## PARAMETERS

### -AccessCredential

Specifies the user credentials to read data from the target computer. The user must be a local Administrator on the target computer. To obtain the user credentials, create a PSCredential object using the Get-Credential cmdlet provided by Windows PowerShell.

```
Type: PSCredential
Parameter Sets: (All)
Aliases:
```

```
Required: False
Position: Named
Default value: None
Accept pipeline input: False
Accept wildcard characters: False
```

### -ComputerName

Specifies the hostname of the computer on which the RMAD console you want to add is installed.

```
Type: String
Parameter Sets: (All)
Aliases:
```

```
Required: True
Position: 0
Default value: None
Accept pipeline input: False
Accept wildcard characters: False
```

### -FallbackCredential

Supplies a fallback account for replacing the account that is used by the backup schedule task. The account must have administrator privileges on the system(s) to be backed up. You can use this parameter only when Full mode is specified for the console.

```
Type: PSCredential
Parameter Sets: (All)
Aliases:
```

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-FileSyncEnabled**

Enables replication of forest recovery project files.

Type: Boolean  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Mode**

Specifies the console mode: Full (to replicate backups, collections, global options and schedule) or Backups (to replicate backups only).

Type: ReplicationMode  
Parameter Sets: (All)  
Aliases:  
Accepted values: Full, Backups

Required: True  
Position: 1  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-SourceFiles**

Specifies which forest recovery project files to replicate from the source console.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-TargetFolder**

Specifies the folder to store the forest recovery project files replicated from the source console.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Add-RMADStorageServer

## SYNOPSIS

Adds a secure storage server, optionally remotely installs a storage server agent.

## SYNTAX

```
Add-RMADStorageServer [-Name] <String> [-Port <Int32>] [-Credential  
<PSCredential>] [-RegisterBackups]  
[-InstallAgent] [-IgnoreReadOnly] [<CommonParameters>]
```

## DESCRIPTION

Registers a secure storage server in Recovery Manager for Active Directory.

## EXAMPLES

### Example 1

```
PS C:\> Add-RMADStorageServer -Name "backupsrv01.acme.test" -Port 48001
```

Registers the secure storage server with given name and connection port.

# PARAMETERS

## **-Credential**

Server credentials used for remote agent installation. Ignored if the '-InstallAgent' switch is not set.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-InstallAgent**

If set, automatically installs storage server agent.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Name**

DNS name or IP address of the server.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

## **-Port**

Port used to connect to the secure storage agent.

Type: Int32

Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-RegisterBackups**

If set, backups on an existing storage server will be registered.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

# **INPUTS**

**System.String**

# **OUTPUTS**

**IStorageServer**

# **NOTES**

# **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

schema: 2.0.0

## Backup-RMADCollection

### SYNOPSIS

Backs up an existing computer collection.

### SYNTAX

#### InputObject

```
Backup-RMADCollection [-InputObject] <ComputerCollection> [-AsJob] [-IgnoreReadOnly] [<CommonParameters>]
```

#### Name

```
Backup-RMADCollection [-Name] <String> [-AsJob] [-IgnoreReadOnly] [<CommonParameters>]
```

### DESCRIPTION

Backs up the existing computer collection that has the specified name or is represented by the specified objects.

### EXAMPLES

#### Example 1

```
PS C:\> Backup-RMADCollection -Name "Collection1"
```

Backs up the Computer Collection named Collection1.

#### Example 2

```
PS C:\> Get-RMADCollection -Id 1 | Backup-RMADCollection
```

Gets the Computer Collection whose identifier is 1, and then backs up that Computer Collection.

#### Example 3

```
PS C:\> $c = Get-RMADCollection -Name col
```

```
C:\PS>Backup-RMADCollection -InputObject $c -AsJob
```

In the first line of this command, the Get-RMADCollection cmdlet gets the computer collection named col. The computer collection object is then stored in the \$c variable.

### PARAMETERS

#### -AsJob

Runs the command as a background job. You can use this parameter to run commands that take a significant time to complete.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-InputObject**

Backs up the existing Computer Collection represented by the specified collection object. Enter a variable that contains the object or type a command or expression that gets the object.

Type: ComputerCollection  
Parameter Sets: InputObject  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

### **-Name**

Specifies the name of the existing Computer Collection to be backed up.

Type: String  
Parameter Sets: Name  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByPropertyName, ByValue)  
Accept wildcard characters: False

### **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Compare-RMADObject

## SYNOPSIS

Compares Active Directory objects. This cmdlet requires Windows PowerShell to be started using a multi-threaded apartment (MTA).

## SYNTAX

### Default (Default)

```
Compare-RMADObject [-ProcessRecycledObjects] [-Attribute <String[]>] [-Server <String>] [-Credential <PSCredential>] [-Backup <Guid>] [-Backup1 <Guid>] [-Backup2 <Guid>] [-Backup1Password <SecureString>] [-Backup2Password <SecureString>] [-KeepBackupUnpacked] [-Id] <String[]> [-ProcessChildren] [-ChildObjectClass <String[]>] [-ReportUnchangedAttributes] [-ReportUnchangedObjects] [-ChangeAuditorDbName <String>] [-ChangeAuditorDbCredential <PSCredential>] [-RestoreUsingChangeAuditor] [-Partition <String>] [-Port <Int32>] [-IgnoreReadOnly] [<CommonParameters>]
```

### ADAndBackup

```
Compare-RMADObject [-ProcessRecycledObjects] [-Attribute <String[]>] [-Server <String>] [-Credential <PSCredential>] -Backup <Guid> [-BackupPassword <SecureString>] [-KeepBackupUnpacked] [-Id] <String[]> [-ProcessChildren] [-ChildObjectClass <String[]>] [-ReportUnchangedAttributes] [-ReportUnchangedObjects] [-ChangeAuditorDbName <String>] [-ChangeAuditorDbCredential <PSCredential>]
```

```
[-RestoreUsingChangeAuditor] [-Partition <String>] [-Port <Int32>] [-IgnoreReadOnly] [<CommonParameters>]
```

## ADLds

```
Compare-RMADObject [-ProcessRecycledObjects] [-Attribute <String[]>] [-Server <String>] [-Credential <PSCredential>] [-Backup <Guid>] [-BackupPassword <SecureString>] [-KeepBackupUnpacked] [-Id] <String[]> [-ProcessChildren] [-ChildObjectClass <String[]>] [-ReportUnchangedAttributes] [-ReportUnchangedObjects] [-AdLds] -AdLdsInstance <String> [-ChangeAuditorDbName <String>] [-ChangeAuditorDbCredential <PSCredential>] [-RestoreUsingChangeAuditor] [-Partition <String>] [-Port <Int32>] [-IgnoreReadOnly] [<CommonParameters>]
```

## Firewall

```
Compare-RMADObject [-ProcessRecycledObjects] [-Attribute <String[]>] [-Server <String>] [-Credential <PSCredential>] [-Backup <Guid>] [-BackupPassword <SecureString>] [-KeepBackupUnpacked] [-Id] <String[]> [-ProcessChildren] [-ChildObjectClass <String[]>] [-ReportUnchangedAttributes] [-ReportUnchangedObjects] [-AdLds] [-ChangeAuditorDbName <String>] [-ChangeAuditorDbCredential <PSCredential>] [-ConfigureFirewall] [-RestoreUsingChangeAuditor] [-Partition <String>] [-Port <Int32>] [-IgnoreReadOnly] [<CommonParameters>]
```

## Agentless

```
Compare-RMADObject [-ProcessRecycledObjects] [-Attribute <String[]>] [-Server <String>] [-Credential <PSCredential>] [-Backup <Guid>] [-BackupPassword <SecureString>] [-KeepBackupUnpacked] [-Id] <String[]> [-UseAgentlessMethod] [-ProcessChildren] [-ChildObjectClass <String[]>] [-ReportUnchangedAttributes] [-ReportUnchangedObjects] [-AdLds] [-ChangeAuditorDbName <String>] [-ChangeAuditorDbCredential <PSCredential>] [-RestoreUsingChangeAuditor] [-Partition <String>] [-Port <Int32>] [-IgnoreReadOnly] [<CommonParameters>]
```

## TwoBackups

```
Compare-RMADObject [-ProcessRecycledObjects] [-Attribute <String[]>] [-Server <String>] [-Credential <PSCredential>] -Backup1 <Guid> -Backup2 <Guid> [-Backup1Password <SecureString>] [-Backup2Password <SecureString>] [-KeepBackupUnpacked] [-Id] <String[]> [-ProcessChildren] [-ChildObjectClass <String[]>] [-ReportUnchangedAttributes] [-ReportUnchangedObjects] [-ChangeAuditorDbName <String>] [-ChangeAuditorDbCredential <PSCredential>] [-RestoreUsingChangeAuditor] [-Partition <String>] [-Port <Int32>] [-IgnoreReadOnly] [<CommonParameters>]
```

## DESCRIPTION

Allows you to compare the following:

- Live Active Directory objects against their versions in a backup
- Active Directory objects held in two backups.

To fill in the 'ModifyBy' field for a report, use the `ChangeAuditorDbName` parameter. To view a report about the compare operation performed by this cmdlet, use the `Start-RMADReportViewer` cmdlet. You can only use this cmdlet when Windows PowerShell is started using MTA. To start Windows PowerShell using MTA, run this command: `PowerShell -mta`

## EXAMPLES

### Example

```
PS C:\> $b = (Get-RMADBackup -Domain dom1.local | Sort-Object -Property Date)[-1]
C:\PS>Compare-RMADObject -Backup $b.Path -Id "ou=oul,dc=dom1,dc=local"
-ProcessChildren -ChangeAuditorDbName ".\ChangeAuditor"
```

In this example, the `Get-RMADBackup` cmdlet gets all backups existing for the `dom1.local` domain.

## PARAMETERS

### -AdLds

Specifies that the AD LDS instance is used as a data storage.

Type: SwitchParameter  
Parameter Sets: ADLds  
Aliases:

Required: True  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False  
Type: SwitchParameter  
Parameter Sets: Firewall, Agentless  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### -AdLdsInstance

If you compare the object changes in AD LDS (ADAM), you should specify the AD LDS (ADAM) instance whose backup you want to use.

Type: String  
Parameter Sets: ADLds  
Aliases: AdamInstance

Required: True  
Position: Named  
Default value: None

Accept pipeline input: False  
Accept wildcard characters: False

### **-Attribute**

Specifies the display names of the object attributes to compare. When specifying multiple display names, use a comma as a separator.

Type: String[]  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Backup**

Specifies the backup that contains the AD objects to be compared. Use this parameter if you want to compare AD objects in a backup with their counterparts in Active Directory.

Type: Guid  
Parameter Sets: Default, ADLds, Firewall, Agentless  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False  
Type: Guid  
Parameter Sets: ADAndBackup  
Aliases:

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Backup1**

Specifies the first backup that contains the AD objects to be compared. Use this parameter if you want to compare AD objects held in backups. The backup specified in this parameter must be registered in the Recovery Manager database.

Type: Guid  
Parameter Sets: Default  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False  
Type: Guid  
Parameter Sets: TwoBackups  
Aliases:

Required: True

Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Backup1Password**

Specifies the password to access the first backup, if the backup is password-protected. This is the same password that is set for the backup in the Recovery Manager console.

Type: SecureString  
Parameter Sets: Default, TwoBackups  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Backup2**

Specifies the second backup that contains the AD objects to be compared. Use this parameter if you want to compare AD objects held in backups. The backup specified in this parameter must be registered in the Recovery Manager database.

Type: Guid  
Parameter Sets: Default  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False  
Type: Guid  
Parameter Sets: TwoBackups  
Aliases:

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Backup2Password**

Specifies the password to access the second backup, if the backup is password-protected. This is the same password that is set for the backup in the Recovery Manager console.

Type: SecureString  
Parameter Sets: Default, TwoBackups  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-BackupPassword**

Specifies the password to access a password-protected backup. This is the same password that is set in the computer collection properties in the Recovery Manager console.

Type: SecureString  
Parameter Sets: ADAndBackup, ADLds, Firewall, Agentless  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-ChangeAuditorDbCredential**

Specifies the credentials for connecting to the Change Auditor SQL database. If this parameter is omitted, the credentials of the current logged in user will be used.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-ChangeAuditorDbName**

Specifies a location of the Change Auditor SQL database. If this parameter is omitted, the 'ModifyBy' cell in AD reports will be empty.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-ChildObjectClass**

Specifies the child object classes to process. When specifying multiple classes, use a comma as a separator.

Type: String[]  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-ConfigureFirewall**

Specifies whether Recovery Manager automatically configures Windows Firewall on domain controllers to allow compare and restore operations.

Type: SwitchParameter  
Parameter Sets: Firewall  
Aliases:

Required: True  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Credential**

The user name and password of the user account with which you want to connect, in the form of a PSCredential object. Use the Get-Credential cmdlet provided by Windows PowerShell to pass a PSCredential object to this parameter. Use this parameter if you want to compare AD objects in a backup with their counterparts in Active Directory. If this parameter is omitted, the credentials of current user account are used. This parameter is ignored if you compare AD objects in a backup with their counterparts in another backup.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Id**

Specifies the objects to compare. To specify an object, you can use object GUID, distinguished name (DN), sAMAccountName, or user principal name (UPN).

Type: String[]  
Parameter Sets: (All)  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-KeepBackupUnpacked**

Determines whether to save the unpacked backup after the search operation. If this parameter is not set, the unpacked backup will be deleted after the search operation is completed.

Type: SwitchParameter

Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Partition**

Specifies the AD LDS (ADAM) partition where you want to compare objects.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Port**

Specifies the port on which to access the AD LDS (ADAM) instance that hosts the objects you want to compare.

Type: Int32  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-ProcessChildren**

When present, specifies to process children of the objects specified in the Id attribute.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-ProcessRecycledObjects**

When present, specifies to process recycled objects.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False

Accept wildcard characters: False

### **-ReportUnchangedAttributes**

Includes the object attributes that have not changed since the time of the specified backup into the operation report.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

### **-ReportUnchangedObjects**

Includes the objects that have not changed since the time of the specified backup into the operation report.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

### **-RestoreUsingChangeAuditor**

Specifies if Change Auditor is used to restore the latest changes to the object.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

### **-Server**

Specifies the domain controller or ADAM instance host from which objects are to be retrieved. The domain controller can be specified by its computer name, IP address, or domain name. If you specify a domain name, deleted objects are retrieved from any available domain controller in the specified domain. The ADAM instance host can be specified by its computer name or IP address. If this parameter is omitted, objects are retrieved from any available domain controller in the current domain.

Type: String

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-UseAgentlessMethod**

Specifies to use the agentless method to access a domain controller. Use this parameter if you want to compare AD objects in a backup with their counterparts in Active Directory. If this parameter is omitted, the domain controller is accessed by using Restore Agent. This parameter is ignored if you compare AD objects in a backup with their counterparts in another backup.

Type: SwitchParameter  
Parameter Sets: Agentless  
Aliases:

Required: True  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

## **OUTPUTS**

## **NOTES**

The Backup 1 and Backup 2 parameters must specify backups for the same domain controller. In the DomainController parameter, you must specify the same domain controller whose backup you specified in the Backup parameter.

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

## **Convert-RMADBackup**

## **SYNOPSIS**

Converts Windows Server backups into RMAD Bare Metal Recovery backups.

## SYNTAX

```
Convert-RMADBackup [-WindowsServerBackupLocation] <String> [-BareMetalRecoveryPath] <String> [-AsJob] [<CommonParameters>]
```

## DESCRIPTION

Converts Windows Server Backups into RMAD Bare Metal Recovery backups.

## EXAMPLES

### Example 1

```
PS C:\> Convert-RMADBackup \\backup_srv01\wsb\WindowsImageBackup \\backup_srv01\rmad\bmr.vhdx
```

Synchronously starts the conversion of the Windows Server backup to the bmr.vhdx file located on the network share.

### Example 2

```
PS C:\> Convert-RMADBackup \\backup_srv01\wsb\WindowsImageBackup \\backup_srv01\rmad\bmr.vhdx | Add-RMADBackup
```

Synchronously starts the conversion of the Windows Server backup located at the remote network share, puts the result into the bmr.vhdx file, and then registers the resulting backup.

### Example 3

```
PS C:\> $job = Convert-RMADBackup D:\WindowsImageBackup D:\bmr.vhdx -AsJob $job.StatusMessage
```

Runs conversion as a background job and shows the current status message.

## PARAMETERS

### -AsJob

Runs the conversion process as a background job.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### -BareMetalRecoveryPath

Specifies the full path to the RMAD Bare Metal Recovery backup file.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: True  
Position: 2  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-WindowsServerBackupLocation**

Specifies the full path to the Windows Server backup. You must specify the path including the WindowsImageBackup folder.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: True  
Position: 1  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

## **OUTPUTS**

### **String**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# **ConvertTo-RMADRecycledObject**

## **SYNOPSIS**

Recycles specific deleted Active Directory objects.

## SYNTAX

```
ConvertTo-RMADRecycledObject -Name <String[]> [-Force] [-Server <String>]
[-Credential <PSCredential>]
[-Partition <String>] [-Port <Int32>] [-IgnoreReadOnly] [-WhatIf] [-
Confirm] [<CommonParameters>]
```

## DESCRIPTION

Allows you to manually recycle specific deleted Active Directory objects held in Microsoft's Active Directory Recycle Bin in the forest where Recovery Manager is installed. This cmdlet overrides the deleted object lifetime setting that applies to the deleted objects being recycled. You can only use this cmdlet if Microsoft's Active Directory Recycle Bin feature is enabled in the forest where Recovery Manager is installed.

## EXAMPLES

### Example 1

```
PS C:\> (Get-RMADDeletedObject dc1.dom1.lab.local) |
Where-Object { $_.objectclass -contains "user" } |
Foreach-Object { ConvertTo-RMADRecycledObject -Name $_.Name -Server
dc1.dom1.lab.local }
```

This example shows how to recycle all user objects held in Microsoft's Active Directory Recycle Bin. The Get-RMADDeletedObject cmdlet gets all deleted objects from Microsoft's Active Directory Recycle Bin by connecting to the dc1.dom1.lab.local domain controller. Then the Get-RMADDeletedObject cmdlet pipes the objects to the Where-Object cmdlet that filters out user objects. Then, the Foreach-Object cmdlet uses the ConvertTo-RMADRecycledObject cmdlet to transfer each user object to the recycled state.

### Example 2

```
PS C:\> ConvertTo-RMADRecycledObject -Name "User 1\0ADEL:7dbac5c7-f38d-
4270-8ac2-7a0674bc246b"
```

Converts the deleted object "User 1\0ADEL:7dbac5c7-f38d-4270-8ac2-7a0674bc246b" to recycled state.

## PARAMETERS

### -Credential

The user name and password of the user account with which you want to connect, in the form of a PSCredential object. Use the Get-Credential cmdlet provided by Windows PowerShell to pass a PSCredential object to this parameter.

```
Type: PSCredential
Parameter Sets: (All)
Aliases:
```

```
Required: False
Position: Named
Default value: None
Accept pipeline input: False
Accept wildcard characters: False
```

### -Force

Suppresses the cmdlet prompt for confirmation. When this parameter is omitted, the cmdlet prompts you for confirmation before recycling objects.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Name**

Allows you to specify the deleted object you want to recycle. To specify a deleted object, enter the value of the object's Name attribute in this parameter. The Name attribute provides the object's relative distinguished name (RDN) that looks similar to the following: User 1\0ADEL:7dbac5c7-f38d-4270-8ac2-7a0674bc246b  
To view the value of the Name attribute for a deleted object, you can use the Get-RMADDeletedObject cmdlet.

Type: String[]  
Parameter Sets: (All)  
Aliases:

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

### **-Partition**

Specifies the distinguished name of the Active Directory partition from which deleted objects are to be retrieved. If this parameter is omitted, the default naming context is used. This parameter is required if you specify an ADAM instance host in the DirectoryHost parameter.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Port**

Specifies the port number to be used for connection. If this parameter is set to 0 or not specified, the default LDAP port (389) is used.

Type: Int32

Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Server**

Specifies the Active Directory domain, domain controller, or AD LDS (ADAM) instance host from which you want the cmdlet to retrieve objects. If this parameter is omitted, the cmdlet retrieves objects from any available domain controller in the current domain. To specify a domain controller or AD LDS (ADAM) instance host, use the computer name or IP address. If you specify an Active Directory domain name in this parameter, the cmdlet retrieves objects from any available domain controller in the specified domain.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Confirm**

Prompts for a confirmation before executing the command.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: cf

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Whatif**

Describes what would happen if you ran the command without actually running the command.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: wi

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Create-RMADStorageAgentSetup

## SYNOPSIS

Creates storage server agent setup.

## SYNTAX

```
Create-RMADStorageAgentSetup [-Path] <String> [-Port <Int32>]  
[<CommonParameters>]
```

## DESCRIPTION

Create storage server agent setup bundle packed to the ZIP archive that contains required components to deploy the storage server agent.

## EXAMPLES

### Example 1

```
PS C:\> Create-RMADStorageAgentSetup -Path "C:\Setup.zip" -StorageAgentPort  
48001
```

Creates a setup bundle and puts it in the specified file.

## PARAMETERS

### -Path

Path to the result file in which the setup will be created.

Type: String

Parameter Sets: (All)

Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

## **-Port**

Port that will be used to run storage agent on.

Type: Int32  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

**System.String**

## **OUTPUTS**

**System.Object**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

schema: 2.0.0

## Expand-RMADBackup

### SYNOPSIS

Extracts the contents of a specified backup file.

### SYNTAX

#### BackupInfo (Default)

```
Expand-RMADBackup [-InputObject] <BackupInfo[]> [-BackupPassword  
<SecureString>] [-TargetFolder] <String>  
  [[-Components] <BackupComponentBits>] [-AsJob] [<CommonParameters>]
```

#### Bkf

```
Expand-RMADBackup [-Path] <String[]> [-BackupPassword <SecureString>] [-  
TargetFolder] <String>  
  [[-Components] <BackupComponentBits>] [-AsJob] [<CommonParameters>]
```

#### Id

```
Expand-RMADBackup [-Id] <Int32[]> [-BackupPassword <SecureString>] [-  
TargetFolder] <String>  
  [[-Components] <BackupComponentBits>] [-AsJob] [<CommonParameters>]
```

### DESCRIPTION

Allows you to selectively extract the contents of a backup file created with Recovery Manager for Active Directory to the location you want.

### EXAMPLES

#### Example 1

```
PS C:\> Expand-RMADBackup -InputObject (Get-RMADBackup | where {$_.Date -gt  
(Get-Date).AddDays(-2)}) -TargetFolder 'C:\UnpackedBackups'
```

This command extracts the contents of all backups created within last two days to the local folder C:\UnpackedBackups.

### PARAMETERS

#### -AsJob

Runs the command as a background job. You can use this parameter to run commands that take a significant time to complete.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-BackupPassword**

If the backup is password-protected, specifies the password to open the backup. The parameter value must be a SecureString object.

Type: SecureString  
Parameter Sets: (All)  
Aliases: Password

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Components**

Specifies the backup components you want to extract. When specifying multiple backup components in this parameter, use a comma as a separator. This parameter accepts the following values for backup components:

- Sam - Specifies to extract the SAM registry hive.
- Security - Specifies to extract the Security registry hive.
- Software - Specifies to extract the Software registry hive.
- System - Specifies to extract the System registry hive.
- Default - Specifies to extract the Default registry hive.
- NTUserDat - Specifies to extract the NTUser.dat registry hive.
- Components - Specifies to extract the Components registry hive.
- SchemaDat - Specifies to extract the Schema.dat.
- ActiveDirectoryDatabase - Specifies to extract the DIT database.
- Sysvol - Specifies to extract SYSVOL.
- EnterpriseServices - Specifies to extract the COM+ Class Registration database.
- BootFiles - Specifies to extract the boot files.
- IISMetabase - Specifies to extract IIS metabase.
- PerformanceCounters - Specifies to extract performance counters.
- CertificateServer - Specifies to extract certificate server.
- ClusterQuorum - Specifies to extract the cluster quorum.
- Adam - Specifies to extract all instances of AD LDS (ADAM).
- GroupMembership - Specifies to extract cross-domain group membership information.
- ActiveDirectory - Specifies to extract the components represented by the following parameters: ActiveDirectoryDatabase and SYSVOL.
- Registry - Specifies to extract the components represented by the following parameters: Sam, Security, Software, System, Default, NTUserDat, Components, and SchemaDat.

Type: BackupComponentBits  
Parameter Sets: (All)  
Aliases:

Accepted values: Sam, Security, Software, System, Default, NTUserDat, ActiveDirectoryDatabase, Sysvol, ActiveDirectory, EnterpriseServices, BootFiles, SystemProtectedFiles, BootIni, CertificateServer, IisMetabase, PerformanceCounters, ClusterQuorum, Adam, GroupMembership, BootFilesExt, CryptoKeys, ForestRecoveryMetadata, Components, SchemaDat, Registry, VirtualImage, HardLinks, LdapsCerts

Required: False  
Position: 2  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Id**

Specifies the identifier of the backup you want to extract.

Type: Int32[]  
Parameter Sets: Id  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

### **-InputObject**

Accepts a backup object as input to the cmdlet. Enter a variable that contains the object or type a command or expression that gets the object.

Type: BackupInfo[]  
Parameter Sets: BackupInfo  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

### **-Path**

Path to the backup file.

Type: String[]  
Parameter Sets: Bkf  
Aliases: FullName

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByPropertyName, ByValue)  
Accept wildcard characters: False

### **-TargetFolder**

Specifies the target folder to which you want to extract the backup.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: True  
Position: 1  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

# Export-RMADBackup

## SYNOPSIS

Exports registration information for a backup into an .xml file.

## SYNTAX

### InputObject

```
Export-RMADBackup [-InputObject] <BackupInfo[]> [-Path] <String> [-PassThru] [<CommonParameters>]
```

### Id

```
Export-RMADBackup [-Id] <Int32[]> [-Path] <String> [-PassThru] [<CommonParameters>]
```

## DESCRIPTION

This cmdlet exports the registration information for the specified backup into an .xml file. You can then use the Import-RMADBackup cmdlet to transform the registration information saved in the .xml file into an object.

## EXAMPLES

### Example 1

```
PS C:\> $b = Get-RMADBackup
Export-RMADBackup -Path Backups.xml -InputObject $b
```

Exports registration information for all backups registered in the Recovery Manager for Active Directory backup registration database located on the computer where you are using this cmdlet. The backup registration information is saved in the Backups.xml file.

### Example 2

```
PS C:\> Export-RMADBackup -Id 1 -Path C:\ExportedBackups
```

Exports the registration information of the backup whose ID 1 to an XML file in the folder C:\ExportedBackups.

## PARAMETERS

### -Id

Specifies the identifiers of one or more backups to export. This parameter accepts an array of integers.

```
Type: Int32[]
Parameter Sets: Id
Aliases:
```

```
Required: True
Position: 0
Default value: None
Accept pipeline input: True (ByValue)
Accept wildcard characters: False
```

### -InputObject

Accepts a backup object as input to the cmdlet. Enter a variable that contains the object or type a command or expression that gets the object.

```
Type: BackupInfo[]
Parameter Sets: InputObject
Aliases:
```

```
Required: True
Position: 0
Default value: None
Accept pipeline input: True (ByValue)
Accept wildcard characters: False
```

### -PassThru

Passes the registration information for the specified backup along the pipeline. If this parameter is omitted, the registration information is not passed along the pipeline.

```
Type: SwitchParameter
Parameter Sets: (All)
Aliases:
```

```
Required: False
Position: Named
Default value: False
Accept pipeline input: False
```

Accept wildcard characters: False

## **-Path**

Specifies the path to the .xml file where you want to save registration information for the backup.

Type: String

Parameter Sets: (All)

Aliases:

Required: True

Position: 1

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

## **OUTPUTS**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

# **Export-RMADSecureStorageBackup**

## **SYNOPSIS**

Exports a backup on a Secure Storage server to a remote network share.

## **SYNTAX**

### **InputObject**

```
Export-RMADSecureStorageBackup [-InputObject] <BackupInfo[]> [-  
TargetRemoteFolder] <String>  
[-TargetCredentials] <PSCredential> [-PassThru] [<CommonParameters>]
```

## Id

```
Export-RMADSecureStorageBackup [-Id] <Int32[]> [-TargetRemoteFolder]
<String>
  [-TargetCredentials] <PSCredential> [-PassThru] [<CommonParameters>]
```

## DESCRIPTION

Exports a backup on a Secure Storage server to a remote network share.

## EXAMPLES

### Example 1

```
$credential = Get-Credential
$backup = Get-RMADBackup -OnlySecureStorage -ComputerName 'dcl.rmad.local'
| Select-Object -First 1
Export-RMADSecureStorageBackup -InputObject $backup -TargetRemoteFolder
'\\192.168.0.1\BackupsNew\Temp' -TargetCredentials $credential
```

### Example 2

```
$credential = Get-Credential
Export-RMADSecureStorageBackup -Id @(2, 4, 6) -TargetRemoteFolder
'\\192.168.0.1\BackupsNew\Temp' -TargetCredentials $credential
```

## PARAMETERS

### -Id

Specifies the identifiers of one or more backups to export. This parameter accepts an array of integers.

```
Type: Int32[]
Parameter Sets: Id
Aliases:
```

```
Required: True
Position: 0
Default value: None
Accept pipeline input: True (ByValue)
Accept wildcard characters: False
```

### -InputObject

Accepts a backup object as input to the cmdlet. Enter a variable that contains the object or type a command or expression that gets the object.

```
Type: BackupInfo[]
Parameter Sets: InputObject
Aliases:
```

```
Required: True
Position: 0
Default value: None
Accept pipeline input: True (ByValue)
Accept wildcard characters: False
```

## **-PassThru**

Passes the registration information for the specified backup along the pipeline. If this parameter is omitted, the registration information is not passed along the pipeline.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-TargetCredentials**

Credentials to access the target network location.

Type: PSCredential

Parameter Sets: (All)

Aliases:

Required: True

Position: 2

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-TargetRemoteFolder**

Remote network share where backup should be exported.

Type: String

Parameter Sets: (All)

Aliases:

Required: True

Position: 1

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Export-RMADStorageServers

## SYNOPSIS

Exports secure storage servers in CSV file.

## SYNTAX

```
Export-RMADStorageServers [-Path] <String> [-IgnoreReadOnly]  
[<CommonParameters>]
```

## DESCRIPTION

Exports currently registered secure storage servers and their current statuses in CSV file.

## EXAMPLES

### Example 1

```
PS C:\> Export-RMADStorageServers -Path C:\SecureStorageServers.csv
```

Saves all current storage servers to C:\SecureStorageServers.csv file

## PARAMETERS

### **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Path**

Path to file where to save secure storage servers information.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

**System.String**

## **OUTPUTS**

**System.Object**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

## **Get-RMADBackup**

## **SYNOPSIS**

Gets backups registered with Recovery Manager.

# SYNTAX

## Id (Default)

```
Get-RMADBackup [-MinimumId <Int32>] [-Domain <String>] [-All] [[-Id]
<Int32[]>] [-ComputerName <String>]
  [-MaxDate <DateTime>] [-MinDate <DateTime>] [-Site <String>] [-
CollectionId <Int32>]
  [-BackupComponents <BackupComponents>] [-IncludeDeleted] [-
AfterModifiedDate <DateTime>] [-First <Int32>]
  [-Skip <Int32>] [-SourceConsole <String>] [<CommonParameters>]
```

## Id\_IncludeSecureStorage

```
Get-RMADBackup [-MinimumId <Int32>] [-Domain <String>] [-All] [-Id]
<Int32[]> [-ComputerName <String>]
  [-MaxDate <DateTime>] [-MinDate <DateTime>] [-Site <String>] [-
CollectionId <Int32>]
  [-BackupComponents <BackupComponents>] [-IncludeDeleted] [-
IncludeSecureStorage]
  [-AfterModifiedDate <DateTime>] [-First <Int32>] [-Skip <Int32>] [-
SourceConsole <String>]
  [<CommonParameters>]
```

## Id\_OnlySecureStorage

```
Get-RMADBackup [-MinimumId <Int32>] [-Domain <String>] [-All] [-Id]
<Int32[]> [-ComputerName <String>]
  [-MaxDate <DateTime>] [-MinDate <DateTime>] [-Site <String>] [-
CollectionId <Int32>]
  [-BackupComponents <BackupComponents>] [-IncludeDeleted] [-
OnlySecureStorage] [-AfterModifiedDate <DateTime>]
  [-First <Int32>] [-Skip <Int32>] [-SourceConsole <String>]
  [<CommonParameters>]
```

## Guid

```
Get-RMADBackup [-MinimumId <Int32>] [-Domain <String>] [-All] [[-Guid]
<Guid[]>] [-ComputerName <String>]
  [-MaxDate <DateTime>] [-MinDate <DateTime>] [-Site <String>] [-
CollectionId <Int32>]
  [-BackupComponents <BackupComponents>] [-IncludeDeleted] [-
AfterModifiedDate <DateTime>] [-First <Int32>]
  [-Skip <Int32>] [-SourceConsole <String>] [<CommonParameters>]
```

## Guid\_IncludeSecureStorage

```
Get-RMADBackup [-MinimumId <Int32>] [-Domain <String>] [-All] [-Guid]
<Guid[]> [-ComputerName <String>]
  [-MaxDate <DateTime>] [-MinDate <DateTime>] [-Site <String>] [-
CollectionId <Int32>]
  [-BackupComponents <BackupComponents>] [-IncludeDeleted] [-
IncludeSecureStorage]
  [-AfterModifiedDate <DateTime>] [-First <Int32>] [-Skip <Int32>] [-
SourceConsole <String>]
  [<CommonParameters>]
```

## Guid\_OnlySecureStorage

```
Get-RMADBackup [-MinimumId <Int32>] [-Domain <String>] [-All] [-Guid]
<Guid[]> [-ComputerName <String>]
  [-MaxDate <DateTime>] [-MinDate <DateTime>] [-Site <String>] [-
CollectionId <Int32>]
  [-BackupComponents <BackupComponents>] [-IncludeDeleted] [-
OnlySecureStorage] [-AfterModifiedDate <DateTime>]
  [-First <Int32>] [-Skip <Int32>] [-SourceConsole <String>]
[<CommonParameters>]
```

## IncludeSecureStorage

```
Get-RMADBackup [-MinimumId <Int32>] [-Domain <String>] [-All] [-
ComputerName <String>] [-MaxDate <DateTime>]
  [-MinDate <DateTime>] [-Site <String>] [-CollectionId <Int32>] [-
BackupComponents <BackupComponents>]
  [-IncludeDeleted] [-IncludeSecureStorage] [-AfterModifiedDate <DateTime>]
[-First <Int32>] [-Skip <Int32>]
  [-SourceConsole <String>] [<CommonParameters>]
```

## OnlySecureStorage

```
Get-RMADBackup [-MinimumId <Int32>] [-Domain <String>] [-All] [-
ComputerName <String>] [-MaxDate <DateTime>]
  [-MinDate <DateTime>] [-Site <String>] [-CollectionId <Int32>] [-
BackupComponents <BackupComponents>]
  [-IncludeDeleted] [-OnlySecureStorage] [-AfterModifiedDate <DateTime>] [-
First <Int32>] [-Skip <Int32>]
  [-SourceConsole <String>] [<CommonParameters>]
```

## DESCRIPTION

Retrieves the backup object for the backups registered in the Recovery Manager backup registration database.

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADBackup | Where-Object {$_.ComputerName -eq
"dc1.dom1.local"}
```

This command retrieves all backup objects and passes them to the Where-Object cmdlet. The Where-Object cmdlet outputs the backup objects whose ComputerName property value is dc1.dom1.local.

### Example 2

```
PS C:\> Get-RMADBackup -Id 12345
```

Retrieves the backup whose identifier is 12345.

### Example 3

```
PS C:\> Get-RMADBackup | Where-Object {($_.Date -gt (Get-Date).AddDays(-5))
-and ($_.Path -like "*Toronto*")}
```

This command retrieves objects that represent backups created by Recovery Manager for Active Directory in the last 5 days. The command retrieves only those backups whose file path includes the word "Toronto".

## Example 4

```
PS C:\> Get-RMADBackup -Skip 10 -First 100
```

This command skips the first 10 backups and starts retrieving 100 backups from the 11th one.

## PARAMETERS

### -AfterModifiedDate

Retrieves the backup objects that were last modified after this date.

Type: DateTime

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

### -All

When this parameter is present, the cmdlet gets all backup objects registered in the Recovery Manager backup registration database, including those whose file is physically missing. When this parameter is omitted, the cmdlet gets only those backup objects registered in the Recovery Manager backup registration database whose file is physically present.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

### -BackupComponents

Retrieves the backup objects with the specified components only. If this parameter is not specified, all backup objects are retrieved from the Recovery Manager backup registration database.

Type: BackupComponents

Parameter Sets: (All)

Aliases:

Accepted values: None, ActiveDirectory, Adam, BootFiles, CertificateServer, ClusterQuorum, EnterpriseServices, ForestRecoveryMetadata, GroupMembership, IisMetabase, PerformanceCounters, Registry, CryptoKeys, LdapsCerts, All

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

### -CollectionId

Retrieves the backup objects for the specified collection only.

Type: Int32

Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-ComputerName**

Retrieves the backup objects from the specified computer only.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Domain**

Retrieves the backup objects for the specified domain only. If this parameter is not specified, all backup objects are retrieved from the Recovery Manager backup registration database.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: True (ByPropertyName)  
Accept wildcard characters: False

### **-Guid**

Specifies the GUID of the backup to get.

Type: Guid[]  
Parameter Sets: Guid  
Aliases:

Required: False  
Position: 1  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False  
Type: Guid[]  
Parameter Sets: Guid\_IncludeSecureStorage, Guid\_OnlySecureStorage  
Aliases:

Required: True  
Position: 1  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Id**

Specifies the identifier of the backup to get.

Type: Int32[]

Parameter Sets: Id

Aliases:

Required: False

Position: 1

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

Type: Int32[]

Parameter Sets: Id\_IncludeSecureStorage, Id\_OnlySecureStorage

Aliases:

Required: True

Position: 1

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-IncludeDeleted**

When this parameter is present, the cmdlet gets all backup objects from the Recovery Manager backup registration database, including those objects whose status has been marked as Deleted or Unregistered.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

## **-IncludeSecureStorage**

When this parameter is present, the cmdlet gets all backup objects from the Recovery Manager backup registration database, including backups stored on Secure Storage servers.

Type: SwitchParameter

Parameter Sets: Id\_IncludeSecureStorage, Guid\_IncludeSecureStorage

Aliases:

Required: True

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

Type: SwitchParameter

Parameter Sets: IncludeSecureStorage

Aliases:

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

## **-MaxDate**

Retrieves the backup objects after the specified date.

Type: DateTime  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-MinDate**

Retrieves the backup objects before the specified date.

Type: DateTime  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-MinimumId**

Retrieves backups with identifier greater than a specified number.

Type: Int32  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-OnlySecureStorage**

Return backups stored on a Secure Storage servers.

Type: SwitchParameter  
Parameter Sets: Id\_OnlySecureStorage, Guid\_OnlySecureStorage  
Aliases:

Required: True  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False  
Type: SwitchParameter  
Parameter Sets: OnlySecureStorage  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False

Accept wildcard characters: False

### **-Site**

Retrieves the backup objects from the specified AD site

Type: String

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

### **-SourceConsole**

Retrieves backups replicated from a specified console.

Type: String

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

### **-Skip**

Specifies the number of backups to skip before starting retrieving.

Type: Int32

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

### **-First**

Specifies the number of backups to retrieve.

Type: Int32

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: `-Debug`, `-ErrorAction`, `-ErrorVariable`, `-InformationAction`, `-InformationVariable`, `-OutVariable`, `-OutBuffer`, `-PipelineVariable`, `-Verbose`, `-WarningAction`, and `-WarningVariable`. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

# Get-RMADBackupAgent

## SYNOPSIS

Retrieves objects that represent Recovery Manager Backup Agents, or discovers manually preinstalled Recovery Manager Backup Agents.

## SYNTAX

```
Get-RMADBackupAgent [-Discover] [-UpdateInfo] [<CommonParameters>]
```

## DESCRIPTION

Allows you to retrieve a list of installed and registered in the Recovery Management Console Backup Agents. It also allows you to discover all Backup Agent instances that were manually preinstalled on computers.

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADBackupAgent
```

This code returns a list of installed and registered in the Recovery Management Console Backup Agents.

### Example 2

```
PS C:\> Get-RMADBackupAgent -Discover
```

This code discovers all Backup Agent instances that were manually preinstalled on computers. Note that after the discover operation completes, you can view and manage the discovered Backup Agent instances using the corresponding cmdlets or from the Backup Agent Management node in the Recovery Manager Console.

## PARAMETERS

### -Discover

Specifies whether Backup Agent instances that were manually preinstalled on computers should be discovered.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

### -UpdateInfo

Specifies whether Backup Agents information should be re-requested.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

### CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

schema: 2.0.0

## Get-RMADBackupInfo

### SYNOPSIS

Gets the content of the backups held at a specified location.

### SYNTAX

#### Bkf

```
Get-RMADBackupInfo [-Path] <String[]> [-BackupPassword <SecureString>] [-IgnoreReadOnly] [<CommonParameters>]
```

#### OfflineDit

```
Get-RMADBackupInfo [-Path] <String[]> [-SysvolPath <String[]>] [-ResolveIndexes <Boolean>] [-OfflineDit] [-IgnoreReadOnly] [<CommonParameters>]
```

#### BackupInfo

```
Get-RMADBackupInfo [-BackupPassword <SecureString>] [-IgnoreReadOnly] [<CommonParameters>]
```

### DESCRIPTION

The Get-RMADBackupInfo cmdlet gets the content of the backups created with Recovery Manager and held at the location specified by the path.

### EXAMPLES

#### Example 1

```
PS C:\> $b = Get-ChildItem C:\Backups -Filter *.bkf -Recurse | Get-RMADBackupInfo
```

```
C:\PS>Where-Object -InputObject $b { $_.Contents -band 64 } | Add-RMADBackup
```

This command gets the content of all backups held in the C:\Backups folder and its subfolders, and saves the content in the \$b variable. The Where-Object cmdlet then passes the Active Directory backups from the \$b variable to the Add-Backup cmdlet (the number 64 stands for the Active Directory component.) Add-RMADBackup then registers the passed Active Directory backups in the Recovery Manager database.

#### Example 2

```
PS C:\> $p = Read-Host "Backup Password" -AsSecureString
```

```
C:\PS>Get-RMADBackupInfo C:\Backups\password-protected_backup1.bkf -BackupPassword $p
```

In this example, the Read-Host cmdlet provided by Windows PowerShell gets the backup password as a SecureString object and saves it in the \$p variable. The Get-RMADBackupInfo then uses the password saved in the \$p variable to access the password-protected backup C:\Backups\password-protected\_backup1.bkf.

## PARAMETERS

### **-BackupPassword**

Specifies the password to access a password-protected backup. This is the same password that is set in the computer collection properties in the Recovery Manager console.

Type: SecureString  
Parameter Sets: Bkf, BackupInfo  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-OfflineDit**

Specifies that the application registers the DIT file as a backup.

Type: SwitchParameter  
Parameter Sets: OfflineDit  
Aliases:

Required: True  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Path**

Specifies the path to the backups whose content is to be retrieved.

Type: String[]  
Parameter Sets: Bkf, OfflineDit  
Aliases: FullName

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByPropertyName, ByValue)

Accept wildcard characters: False

## **-ResolveIndexes**

Reindexes the DIT file in case of invalid index data.

Type: Boolean

Parameter Sets: OfflineDit

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-SysvolPath**

Path to the SYSVOL folder.

Type: String[]

Parameter Sets: OfflineDit

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

## **OUTPUTS**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

schema: 2.0.0

## Get-RMADBackupObject

### SYNOPSIS

Get objects from backups

### SYNTAX

#### InputObject+Name (Default)

```
Get-RMADBackupObject -InputObject <BackupInfo[]> [-Name <String[]>] [-BackupPassword <SecureString>] [-Attribute <String[]>] [-SearchBase <String>] [-Count <Int32>] [-KeepBackupUnpacked] [-AdLdsInstance <String[]>] [<CommonParameters>]
```

#### InputObject+Id

```
Get-RMADBackupObject -InputObject <BackupInfo[]> [-Id <String[]>] [-BackupPassword <SecureString>] [-Attribute <String[]>] [-SearchBase <String>] [-Count <Int32>] [-KeepBackupUnpacked] [-AdLdsInstance <String[]>] [<CommonParameters>]
```

#### InputObject+Filter

```
Get-RMADBackupObject -InputObject <BackupInfo[]> [-Filter <String>] [-BackupPassword <SecureString>] [-Attribute <String[]>] [-SearchBase <String>] [-Count <Int32>] [-KeepBackupUnpacked] [-AdLdsInstance <String[]>] [<CommonParameters>]
```

#### BackupGuid+Id

```
Get-RMADBackupObject -BackupGuid <Guid[]> [-Id <String[]>] [-BackupPassword <SecureString>] [-Attribute <String[]>] [-SearchBase <String>] [-Count <Int32>] [-KeepBackupUnpacked] [-AdLdsInstance <String[]>] [<CommonParameters>]
```

#### BackupGuid+Name

```
Get-RMADBackupObject -BackupGuid <Guid[]> [-Name <String[]>] [-BackupPassword <SecureString>] [-Attribute <String[]>] [-SearchBase <String>] [-Count <Int32>] [-KeepBackupUnpacked] [-AdLdsInstance <String[]>] [<CommonParameters>]
```

#### BackupGuid+Filter

```
Get-RMADBackupObject -BackupGuid <Guid[]> [-Filter <String>] [-BackupPassword <SecureString>] [-Attribute <String[]>] [-SearchBase <String>] [-Count <Int32>] [-KeepBackupUnpacked]
```

```
[-AdLdsInstance <String[]>] [<CommonParameters>]
```

## DESCRIPTION

Retrieves specific objects from certain backups registered with Recovery Manager for Active Directory.

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADBackup | Get-RMADBackupObject -Name "Adm" -Attribute *
```

Retrieves a list of all backups that are registered in Recovery Manager for Active Directory and then search for the object using ambiguous name resolution. In this example, you will get a list of all objects that have 'Adm' in the beginning of any naming attribute from the 'ANR attribute Set'.

### Example 2

```
PS C:\> Get-RMADBackup | Get-RMADBackupObject -SearchBase  
'CN=Partitions,CN=Configuration,DC=CONTOSO,DC=COM' -Filter  
"objectClass='crossRef'"
```

Retrieves a list of objects from the container that is specified in the 'SearchBase' parameter. The objects are filtered by the 'objectClass' attribute.

### Example 3

```
PS C:\> Get-RMADBackup | Get-RMADBackupObject -Filter "givenName=Name  
1|Name 2,cn=Smith"
```

Retrieves a list of all registered backups and all objects that have 'Name 1' or 'Name 2' value for the 'givenName' attribute and 'Smith' for the 'CN' attribute.

### Example 4

```
PS C:\> Get-RMADObject -Filter  
"distinguishedName='CN=name1,DC=mydomain,DC=com'"
```

Retrieves a list of all registered backups and all objects that have the following distinguished name: CN=name1,DC=mydomain,DC=com.

### Example 5

```
PS C:\> Get-RMADBackup | Get-RMADBackupObject -AdLdsInstance  
'ContosoApplication' -Filter  
"distinguishedName='CN=Users,CN=Roles,CN=App1,DC=contoso,DC=com'"
```

Retrieves the object with the specified distinguished name from the backup of the 'ContosoApplication' AD LDS instance.

## PARAMETERS

### -AdLdsInstance

If you search in the AD LDS instance backup, you should specify a list of AD LDS instances in which you want to search.

```
Type: String[]  
Parameter Sets: (All)  
Aliases: AdamInstance
```

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Attribute**

Specifies the object attributes to retrieve in addition to the attributes the cmdlet retrieves by default. If this parameter is omitted or empty, the cmdlet retrieves the following default set of object attributes:

- distinguishedName
- name
- objectClass
- objectguid

Type: String[]  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-BackupGuid**

GUID of the registered backup.

Type: Guid[]  
Parameter Sets: BackupGuid+Id, BackupGuid+Name, BackupGuid+Filter  
Aliases: Guid

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: True (ByPropertyName, ByValue)  
Accept wildcard characters: False

## **-BackupPassword**

Specifies the password to access a password-protected backup. This is the same password that is set in the computer collection properties in the Recovery Manager console.

Type: SecureString  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Count**

Limits the maximum number of objects to retrieve.

Type: Int32  
Parameter Sets: (All)

Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Filter**

Allows you to filter objects by attribute names and attribute values. For details, see the examples provided for this cmdlet.

Type: String  
Parameter Sets: InputObject+Filter, BackupGuid+Filter  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Id**

Specifies the identifier of the object to retrieve. This parameter accepts one of the following:

- GUID
- Distinguished name (DN)
- samAccountName
- userLogonName

Type: String[]  
Parameter Sets: InputObject+Id, BackupGuid+Id  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-InputObject**

Specifies backups that contain the retrieved object. To get the backup, use the Get-RMADBackup cmdlet.

Type: BackupInfo[]  
Parameter Sets: InputObject+Name, InputObject+Id, InputObject+Filter  
Aliases: Backup, Backups

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

### **-KeepBackupUnpacked**

Determines whether to save the unpacked backup after the search operation. If this parameter is not set, the unpacked backup will be deleted after the search operation is completed.

Type: SwitchParameter

Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Name**

Retrieves objects whose Name attribute value is equal to the value specified in this parameter.

Type: String[]  
Parameter Sets: InputObject+Name, BackupGuid+Name  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-SearchBase**

Specifies an Active Directory container in which to search for objects. The search is performed in the specified container and all its subcontainers. Specify the distinguished name (DN) of the container in which you want to search.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

## **OUTPUTS**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

## Get-RMADBackupSecurityStatus

### SYNOPSIS

Gets security check information for a specified backup.

### SYNTAX

```
Get-RMADBackupSecurityStatus [-BackupGuid <Guid[]>] [-From <DateTime>]  
[<CommonParameters>]
```

### DESCRIPTION

Retrieves security check information for a specified backup registered with Recovery Manager for Active Directory.

### EXAMPLES

#### Example 1

```
PS C:\> $bkf = (Get-RMADBackup -ComputerName dc.DomainName.local)[-1]  
$status = New-Object -TypeName  
QuestSoftware.RecoveryManager.AD.PowerShell.BackupSecurityStatus  
$status.Summary = "Passed"  
$status.Details = "all successful"  
$status.CheckDate = Get-Date  
Publish-RMADBackupSecurityStatus -BackupGuid $bkf.backupGuid -  
SecurityStatus $status  
Get-RMADBackup -ComputerName dc.DomainName.local | %{  
    Get-RMADBackupSecurityStatus -BackupGuid $_.BackupGuid  
}
```

For troubleshooting only. This command retrieves information related to antimalware scan results for all backups registered with Recovery Manager for Active Directory.

### PARAMETERS

#### -BackupGuid

This is the GUID of the backup for which a user wants to get the antimalware scan results.

Type: Guid[]  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named

Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-From**

Specifies the time point to get statuses.

Type: DateTime  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

## **OUTPUTS**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# **Get-RMADCollection**

## **SYNOPSIS**

Retrieves Recovery Manager computer collection objects or default computer collection settings.

## **SYNTAX**

### **Name (Default)**

```
Get-RMADCollection [[-Name] <String[]>] [<CommonParameters>]
```

## Id

```
Get-RMADCollection [-Id] <Int32[]> [<CommonParameters>]
```

## Default

```
Get-RMADCollection [-Default] [<CommonParameters>]
```

## DESCRIPTION

Allows you to retrieve an existing Recovery Manager computer collection by its name or ID. This cmdlet retrieves all existing computer collections if no collection name or ID is specified. You can also use this cmdlet to retrieve the default computer collection settings that apply to each new computer collection.

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADCollection
```

This command retrieves all Recovery Manager computer collections.

### Example 2

```
PS C:\> (Get-RMADCollection Coll1).Schedule
```

This command retrieves the line containing the schedule for the collection named Coll1.

## PARAMETERS

### -Default

Allows you to retrieve the default computer collection settings that apply to each new computer collection. Do not use the Name or ID parameter along with this parameter.

```
Type: SwitchParameter  
Parameter Sets: Default  
Aliases:
```

```
Required: True  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False
```

### -Id

Specifies the identifier of the Computer Collection to retrieve.

```
Type: Int32[]  
Parameter Sets: Id  
Aliases:
```

```
Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByPropertyName, ByValue)  
Accept wildcard characters: False
```

## -Name

Specifies the name of the computer collection you want to retrieve. In the computer collection name that you type in this parameter, you can use an asterisk as a wildcard symbol for any number of any characters. Do not use the Default parameter along with this parameter.

Type: String[]

Parameter Sets: Name

Aliases:

Required: False

Position: 0

Default value: None

Accept pipeline input: True (ByPropertyName, ByValue)

Accept wildcard characters: False

## CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

# Get-RMADCollectionItem

## SYNOPSIS

Retrieves information about items contained in specified Recovery Manager for Active Directory computer collections.

## SYNTAX

### InputObject

```
Get-RMADCollectionItem [-InputObject] <ComputerCollection[]> [-UseCache] [-ComputerInfo] [<CommonParameters>]
```

## Name

```
Get-RMADCollectionItem [-UseCache] [-Name] <String[]> [-ComputerInfo]
[<CommonParameters>]
```

## Id

```
Get-RMADCollectionItem [-UseCache] [-Id] <Int32[]> [-ComputerInfo]
[<CommonParameters>]
```

## DESCRIPTION

Retrieves information about items contained in specified Recovery Manager for Active Directory computer collections. You can use this cmdlet to retrieve information about one of the following:

- Items that were explicitly added to computer collections (such as domain controllers, Active Directory domains, Active Directory sites, organizational units, AD LDS (ADAM) hosts, AD LDS (ADAM) instances, and AD LDS (ADAM) sites).
- Domain controllers and AD LDS (ADAM) hosts that are explicitly or implicitly added to computer collections.

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADCollectionitem "Computer Collection 02"
```

```
Name           : hal-test-dc.hal-test.dev.hal.ca.qsft
DisplayName    : hal-test-dc.hal-test.dev.hal.ca.qsft
Type           : 4
Domain         : hal-test.dev.hal.ca.qsft
TargetGuid     : 00000000000000000000000000000000
Id             : 2
Components     : 0
ComputerName   : hal-test-dc.hal-test.dev.hal.ca.qsft
Exclusions     : {}
Port           : 0
```

This example retrieves information about items that are explicitly contained in the computer collection named **Computer Collection 02**. These items can include domain controllers, Active Directory domains, Active Directory sites, organizational units, AD LDS (ADAM) hosts, AD LDS (ADAM) instances, and AD LDS (ADAM) sites.

### Example 2

```
PS C:\> Get-RMADCollectionitem -Id 2
```

```
Name           : hal-test-dc.hal-test.dev.hal.ca.qsft
DisplayName    : hal-test-dc.hal-test.dev.hal.ca.qsft
Type           : 4
Domain         : hal-test.dev.hal.ca.qsft
TargetGuid     : 00000000000000000000000000000000
Id             : 2
Components     : 0
ComputerName   : hal-test-dc.hal-test.dev.hal.ca.qsft
Exclusions     : {}
Port           : 0
```

Each computer added to the computer collection has an associated identification or **Id**. This example retrieves information about items that are explicitly contained in the Computer Collection identified by the **Id**.

### Example 3

```
PS C:\> Get-RMADCollectionitem "Computer Collection 02" -Computerinfo
```

Id	Name	Domain	Components
2	hal-test-dc.hal-test.dev.hal.ca.qsft	hal-test.dev.hal.ca.qsft	63966463

```
PS C:\> Get-RMADCollectionitem "Computer Collection 01" -Computerinfo
```

Id	Name	Domain	Components
2	hal-test-dc.hal-test.dev.hal.ca.qsft	hal-test.dev.hal.ca.qsft	59770111
4	hal-test-srv.hal-test.dev.hal.ca.qsft	hal-test.dev.hal.ca.qsft	524288

These examples retrieve information about the computer items that is explicitly contained in the computer collection named **Computer Collection 02**.

### Example 4

```
PS C:\> Get-RMADCollectionitem -Name "Computer Collection 02"
```

```
Name           : hal-test-dc.hal-test.dev.hal.ca.qsft
DisplayName    : hal-test-dc.hal-test.dev.hal.ca.qsft
Type          : 4
Domain        : hal-test.dev.hal.ca.qsft
TargetGuid    : 00000000000000000000000000000000
Id            : 2
Components    : 0
ComputerName  : hal-test-dc.hal-test.dev.hal.ca.qsft
Exclusions    : {}
Port          : 0
```

This example retrieves information about items that are explicitly contained in the computer collection when the **-Name** option is used indicating **Computer Collection 02**.

### Example 5

```
PS C:\> $B = "Computer Collection 02"
PS C:\> Get-RMADCollectionitem $B -ComputerInfo
```

Id	Name	Domain	Components
2	hal-test-dc.hal-test.dev.hal.ca.qsft	hal-test.dev.hal.ca.qsft	63966463

This example retrieves information about items that are explicitly contained in the computer collection when the **-InputObject** option is used indicating **Computer Collection 02**.

### Example 6

```
PS C:\> Get-RMADCollectionitem -Name "Computer Collection 01" -UseCache
```

```
Name           : hal-test-dc.hal-test.dev.hal.ca.qsft
DisplayName    : hal-test-dc.hal-test.dev.hal.ca.qsft
Type          : 4
Domain        : hal-test.dev.hal.ca.qsft
TargetGuid    : 00000000000000000000000000000000
Id            : 1
```

```

Components      : 0
ComputerName    : hal-test-dc.hal-test.dev.hal.ca.qsft
Exclusions      : {}
Port            : 0

Name            : hal-test-srv.hal-test.dev.hal.ca.qsft
DisplayName     : hal-test-srv.hal-test.dev.hal.ca.qsft
Type           : 5120
Domain         :
TargetGuid     : 00000000000000000000000000000000
Id             : 3
Components      : 0
ComputerName    : hal-test-srv.hal-test.dev.hal.ca.qsft
Exclusions      : {}
Port            : 0

```

This example retrieves information about items that are explicitly contained in the Computer Collection named **Computer Collection 02**. These items returned are a domain controllers, AD LDS (ADAM) host and AD LDS (ADAM) instance. The **-UseCache** options returns any additional data from cache.

## PARAMETERS

### -ComputerInfo

When present, specifies to retrieve information about the domain controllers and AD LDS (ADAM) hosts that are explicitly or implicitly added to the computer collections you specified in the Collection parameter.

```

Type: SwitchParameter
Parameter Sets: (All)
Aliases:

```

```

Required: False
Position: Named
Default value: False
Accept pipeline input: False
Accept wildcard characters: False

```

### -Id

Specifies the identifier of the computer collection that includes the items you want to retrieve.

```

Type: Int32[]
Parameter Sets: Id
Aliases:

```

```

Required: True
Position: 0
Default value: None
Accept pipeline input: True (ByValue)
Accept wildcard characters: False

```

### -InputObject

Specifies the object representing the computer collections that include the items you want to retrieve.

```

Type: ComputerCollection[]
Parameter Sets: InputObject
Aliases: Collection

```

```

Required: True
Position: 0

```

Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

### **-Name**

Specifies the name of the computer collection that includes the items you want to retrieve.

Type: String[]  
Parameter Sets: Name  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

### **-UseCache**

Specifies to return the data from cache

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

## **OUTPUTS**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

schema: 2.0.0

## Get-RMADConsoleConfigurationBackup

### SYNOPSIS

Retrieves console configuration backups registered for a specified Secure Storage server.

### SYNTAX

#### StorageServerName

```
Get-RMADConsoleConfigurationBackup [-StorageServerName] <String>  
[<CommonParameters>]
```

#### Server

```
Get-RMADConsoleConfigurationBackup [-Server] <StorageServer>  
[<CommonParameters>]
```

### DESCRIPTION

Returns console configuration backups associated with a specified Secure Storage server. For each console configuration backup, the command provides details including the remote file path and the creation timestamp.

### EXAMPLES

#### Example 1

```
PS C:\> Get-RMADStorageServer | Get-RMADConsoleConfigurationBackup
```

Returns console configuration backups for all registered secure storage servers.

#### Example 2

```
PS C:\> Get-RMADConsoleConfigurationBackup -StorageServerName "storage.srv"
```

Returns console configuration backups for the specified secure storage server.

### PARAMETERS

#### -StorageServerName

Specifies the name of the secure storage server.

Type: String

Parameter Sets: StorageServerName

Aliases:

Required: True

Position: 0

Default value: None

Accept pipeline input: True (ByValue)

Accept wildcard characters: False

## **-Server**

Specifies the secure storage server. Use `Get-RMADStorageServer` to get a list of all secure storage servers.

Type: StorageServer

Parameter Sets: Server

Aliases:

Required: True

Position: 0

Default value: None

Accept pipeline input: True (ByValue)

Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: `-Debug`, `-ErrorAction`, `-ErrorVariable`, `-InformationAction`, `-InformationVariable`, `-OutVariable`, `-OutBuffer`, `-PipelineVariable`, `-Verbose`, `-WarningAction`, and `-WarningVariable`. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

**System.String**

## **OUTPUTS**

**System.Object**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

# **Get-RMADDeletedObject**

## **SYNOPSIS**

Retrieves deleted Active Directory objects.

## SYNTAX

### Name (Default)

```
Get-RMADDeletedObject [-All] [-Restorable] [-Computer <String>] [-RetrieveOnlyUnpackedBackups] [-ForceBackupRetrieving] [-Name <String[]>] [-Count <Int32>] [-Attribute <String[]>] [-SearchBase <String>] [-Timeout <Int32>] [-UseSsl] [-Server <String>] [-Credential <PSCredential>] [-Partition <String>] [-Port <Int32>] [-IgnoreReadOnly] [<CommonParameters>]
```

### Identity

```
Get-RMADDeletedObject [-All] [-Restorable] [-Computer <String>] [-RetrieveOnlyUnpackedBackups] [-ForceBackupRetrieving] [-Id <String[]>] [-Attribute <String[]>] [-UseSsl] [-Server <String>] [-Credential <PSCredential>] [-Partition <String>] [-Port <Int32>] [-IgnoreReadOnly] [<CommonParameters>]
```

### Filter

```
Get-RMADDeletedObject [-All] [-Restorable] [-Computer <String>] [-RetrieveOnlyUnpackedBackups] [-ForceBackupRetrieving] [-Filter <String>] [-Count <Int32>] [-Attribute <String[]>] [-SearchBase <String>] [-Timeout <Int32>] [-UseSsl] [-Server <String>] [-Credential <PSCredential>] [-Partition <String>] [-Port <Int32>] [-IgnoreReadOnly] [<CommonParameters>]
```

## DESCRIPTION

Allows you to retrieve specific deleted or recycled Active Directory objects. The cmdlet retrieves objects from the default naming context or the Active Directory partition you specify. You can only retrieve recycled objects when Microsoft's Active Directory Recycle Bin is enabled in your environment. By default, for each deleted object, this cmdlet retrieves the following attributes:

- GUID
- Distinguished name (DN)
- Name
- objectClass

You can also specify additional attributes you want to retrieve.

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADDeletedObject
```

This command retrieves all deleted Active Directory objects in the current domain.

### Example 2

```
PS C:\> Get-RMADDeletedObject -Name "User 1"
```

This command uses ambiguous name resolution (ANR) to look for and retrieve the deleted objects whose Name attribute value is User 1.

### Example 3

```
PS C:\> Get-RMADDeletedObject -Name "User 1" -Attribute usnChanged, usnCreated
```

This command uses ambiguous name resolution (ANR) to look for and retrieve the deleted objects whose Name attribute value is User 1. In addition to the default set of object attributes (that is, GUID, Distinguished name (DN), Name, and objectClass), this command also retrieves the attributes usnChanged and usnCreated.

### Example 4

```
PS C:\> Get-RMADDeletedObject -Filter "whenCreated>=20220601123000.0Z"
```

This command retrieves all deleted objects that were created on 1 June 2022 at 12:30:00 or after this date.

### Example 5

```
PS C:\> Get-RMADDeletedObject -Filter "whenCreated=20220601000000.0Z"
```

This command retrieves all deleted objects that were created on 1 June 2022 between 00:00:00 and 23:59:59.

### Example 6

```
PS C:\> Get-RMADDeletedObject -Filter "distinguishedName='CN=user1\0ADEL:b0806312-d320-41fb-9e4d-ebad82706a74,CN=Deleted Objects,DC=mydomain,DC=com'"
```

Retrieves the deleted object whose distinguished name (DN) is CN=user1\0ADEL:b0806312-d320-41fb-9e4d-ebad82706a74,CN=Deleted Objects,DC=mydomain,DC=com.

### Example 7

```
PS C:\> Get-RMADDeletedObject -Name user1 -SearchBase 'OU=Users,DC=domain,DC=com'
```

Gets the deleted object whose Name attribute value is user1 and that was deleted from the container with DN OU=Users,DC=domain,DC=com or from any of its subcontainers.

## PARAMETERS

### -All

Specifies to retrieve all deleted and recycled Active Directory objects.

```
Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: ShowRecycled
```

```
Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False
```

### -Attribute

Specifies the object attributes to retrieve in addition to the attributes retrieved by default. If this parameter is omitted or empty, the cmdlet retrieves the following default set of object attributes:

- GUID
- Distinguished name (DN)
- Name

- `objectClassTo` specify all available object attributes, type an asterisk (\*) in this parameter.

Type: String[]  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Computer**

Specifies the computer whose backups contain the deleted object to retrieve.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Count**

Limits the maximum number of objects to retrieve.

Type: Int32  
Parameter Sets: Name, Filter  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Credential**

The user name and password of the user account with which you want to connect, in the form of a `PSCredential` object. Use the `Get-Credential` cmdlet provided by Windows PowerShell to pass a `PSCredential` object to this parameter.

Type: `PSCredential`  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Filter**

Allows you to filter objects by attribute names and attribute values. For the syntax this parameter accepts, see the examples provided for this cmdlet.

Type: String  
Parameter Sets: Filter

Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-ForceBackupRetrieving**

Retrieves the ID of the backup that contains the deleted object even if this object can be restored using the Active Directory Recycle Bin.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Id**

Specifies the identifier of the object to retrieve. This parameter accepts one of the following:

- GUID
- Distinguished name (DN)
- samAccountName
- userLogonName

Type: String[]  
Parameter Sets: Identity  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Name**

Retrieves objects whose Name attribute value is equal to the value specified in this parameter. The Name attribute stores object's relative distinguished name (RDN) which looks similar to the following:

User 1\0ADEL:7dbac5c7-f38d-4270-8ac2-7a0674bc246b

Type: String[]  
Parameter Sets: Name  
Aliases:  
  
Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Partition**

Specifies the distinguished name of the Active Directory partition from which you want to retrieve objects. If this parameter is omitted, the default naming context is used. This parameter is required if you specify an AD LDS (ADAM) instance host in the Server parameter.

Type: String  
Parameter Sets: (All)  
Aliases:  
  
Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Port**

Specifies the port number to connect to. If this parameter is set to 0 or omitted, the default LDAP port (389) is used.

Type: Int32  
Parameter Sets: (All)  
Aliases:  
  
Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Restorable**

Specifies to retrieve only those objects that can be completely restored. That is, objects located in Microsoft's Active Directory Recycle Bin or in a backup registered with Recovery Manager for Active Directory.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:  
  
Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-RetrieveOnlyUnpackedBackups**

Retrieves the deleted objects only from the unpacked backups.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-SearchBase**

Specifies an Active Directory container in which to search for deleted objects. This is the container from which the objects you want to find were deleted. The search is performed in the specified container and all its subcontainers, including the deleted ones. Specify the distinguished name (DN) of the container in which you want to search.

Type: String  
Parameter Sets: Name, Filter  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Server**

Specifies the Active Directory domain, domain controller, or AD LDS (ADAM) instance host from which you want the cmdlet to retrieve objects. If this parameter is omitted, the cmdlet retrieves objects from any available domain controller in the current domain. To specify a domain controller or AD LDS (ADAM) instance host, use the computer name or IP address. If you specify an Active Directory domain name in this parameter, deleted objects are retrieved from any available domain controller in the specified domain.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Timeout**

Specifies the maximum wait time for retrieving the objects, in seconds. The default value is 30.

Type: Int32  
Parameter Sets: Name, Filter  
Aliases:

Required: False  
Position: Named  
Default value: 30  
Accept pipeline input: False  
Accept wildcard characters: False

### **-UseSsl**

Specifies whether use Secure Sockets Layer (SSL) to encrypt the connection.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Get-RMADGlobalOptions

## SYNOPSIS

Sets global settings for the application.

## SYNTAX

```
Get-RMADGlobalOptions [[-Name] <String>] [<CommonParameters>]
```

## DESCRIPTION

Sets Recovery Manager for Active Directory global settings.

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADGlobalOptions -Name "UnpackingPath"
```

This cmdlet returns the value of the "UnpackingPath" global option.

## Example 2

```
PS C:\> Get-RMADGlobalOptions "UnpackingPath"
```

This cmdlet also can return the value of the "UnpackingPath" global option.

## Example 3

```
PS C:\> Get-RMADGlobalOptions
```

This code returns a HashTable which contains the name and value of all global options.

# PARAMETERS

## -Name

Specifies the name to the option whose value is retrieved.

Type: String

Parameter Sets: (All)

Aliases:

Required: False

Position: 0

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

# INPUTS

# OUTPUTS

# NOTES

# RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

schema: 2.0.0

## Get-RMADHybridRecoveryDomainOptions

### SYNOPSIS

Gets the domain systems associated with the Hybrid Connector.

### SYNTAX

```
Get-RMADHybridRecoveryDomainOptions [<CommonParameters>]
```

### DESCRIPTION

Returns the domain and associated systems used in the Hybrid Connector.

### EXAMPLES

#### Example 1

```
PS C:\>Get-RMADHybridRecoveryDomainOptions
```

```
Id                : 6
Name              : hal-test.dev.hal.ca.qsft
PrimaryComputerId : 5
Username          : hal-test\master
Computers         : {ID: 5, Name: hal-test-dc.hal-test.dev.hal.ca.qsft,
                   ID: 7, Name: hal-test-srv.hal-test.dev.hal.ca.qsft}
```

### PARAMETERS

#### CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

None

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

schema: 2.0.0

# Get-RMADHybridRecoveryOptions

## SYNOPSIS

Gets the information related to the Hybrid Connector.

## SYNTAX

```
Get-RMADHybridRecoveryOptions [<CommonParameters>]
```

## DESCRIPTION

Returns the information related to the Hybrid Connector. This includes the data contained in the file received or exported from On Demand Recovery (ODR) used to establish the connection. Also included is the host name of the system that is connected to the ODB via the Hybrid Connector and the status of the connector.

## EXAMPLES

### Example 1

```
PS C:\>Get-RMADHybridRecoveryOptions
```

```
Enabled           : True
RelayUrl          : https://backupaad-rmaz-hybrid-
                  us.servicebus.windows.net/org-
                  05843ce6-cdde-a9c1-d228-70
                  983618c6cb
RelayKeyName      : listenKey
AADConnectHost    : hal-test-dc
AADConnectUsername : hal-test\master
```

```
UseAgentlessMethod           : True
UsePackedBackups             : True
SkipReplication              : False
AutomaticallyConfigureFirewall : False
Status                       : Completed: True, Failed: False, Relay
                              Error: '', AAD Connect Error: ''
```

## PARAMETERS

### CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

None

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

schema: 2.0.0

## Get-RMADLicenseInfo

### SYNOPSIS

Retrieves information about the installed license key file.

### SYNTAX

```
Get-RMADLicenseInfo [<CommonParameters>]
```

### DESCRIPTION

Allows you to retrieve information about the installed license key file including the following fields:

- aboutText
- purchased
- allocated
- expirationDate
- managedUsers
- isDemo
- isForestRecoveryLicensed
- isOrwAgentModeDisabled

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADLicenseInfo
```

```
AboutText           :
Purchased           : 6000
Allocated           : 4980
ExpirationDate      : 12/30/2025 12:00:00 AM
IsDemo              : False
IsForestRecoveryLicensed : True
IsDisasterRecoveryLicensed : True
LicenseNumber       : 123-456-789
IsInstalled         : True
ManagedUsers       : -1
```

This code returns all information about the license.

### Example 2

```
PS C:\> (Get-RMADLicenseInfo).Allocated
4980
```

This code returns the number of already allocated licenses.

### Example 3

```
PS C:\> (Get-RMADLicenseInfo).Purchased
6000
```

This code returns the number of purchased licenses.

## PARAMETERS

### CommonParameters

This cmdlet supports the common parameters: `-Debug`, `-ErrorAction`, `-ErrorVariable`, `-InformationAction`, `-InformationVariable`, `-OutVariable`, `-OutBuffer`, `-PipelineVariable`, `-Verbose`, `-WarningAction`, and `-WarningVariable`. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

## Get-RMADObject

### SYNOPSIS

Retrieves specific objects from Active Directory or certain backups registered with Recovery Manager for Active Directory.

### SYNTAX

#### Name (Default)

```
Get-RMADObject [-KeepBackupUnpacked] [-State <ObjectState>] [-Backup <Guid[]>] [-BackupPassword <SecureString>] [-DisableADSearch] [-Name <String[]>] [-Count <Int32>] [-Attribute <String[]>] [-SearchBase <String>] [-Timeout <Int32>] [-UseSsl] [-Server <String>] [-Credential <PSCredential>] [-Partition <String>] [-Port <Int32>] [-IgnoreReadOnly] [<CommonParameters>]
```

#### Identity

```
Get-RMADObject [-KeepBackupUnpacked] [-State <ObjectState>] [-Backup <Guid[]>] [-BackupPassword <SecureString>] [-DisableADSearch] [-Id <String[]>] [-Attribute <String[]>] [-UseSsl] [-Server <String>] [-Credential <PSCredential>] [-Partition <String>] [-Port <Int32>] [-IgnoreReadOnly] [<CommonParameters>]
```

#### Filter

```
Get-RMADObject [-KeepBackupUnpacked] [-State <ObjectState>] [-Backup <Guid[]>] [-BackupPassword <SecureString>] [-DisableADSearch] [-Filter <String>] [-Count <Int32>] [-Attribute <String[]>] [-SearchBase <String>]
```

```
[-Timeout <Int32>] [-UseSsl] [-Server <String>] [-Credential  
<PSCredential>] [-Partition <String>]  
[-Port <Int32>] [-IgnoreReadOnly] [<CommonParameters>]
```

## DESCRIPTION

Allows you to retrieve specific objects from Active Directory or certain backups registered with Recovery Manager for Active Directory. By default, with each object, this cmdlet retrieves the following attributes:

- distinguishedName
- name
- objectClass
- objectguid
- isDeleted
- isRecycled

If the object is deleted, in addition to the above-listed attributes, the cmdlet also retrieves the following attributes:

- whenchanged
- whencreated
- lastKnownParent
- msDS
- LastKnownRDN

You can also specify additional attributes to retrieve.

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADObject -Name "User 1"
```

This command uses ambiguous name resolution (ANR) to look for and retrieve the objects whose Name attribute value is User 1.

### Example 2

```
PS C:\> $b = Get-RMADBackup
```

```
C:\PS>Get-RMADObject -DisableADSearch -Backup $b -Name "User 1"  
-Attribute *
```

In the first line of this command, the Get-RMADBackup gets all backups registered with Recovery Manager for Active Directory and stores the backup objects in the \$b variable.

### Example 3

```
PS C:\> Get-RMADObject -Name "User 1" -State Live, Deleted -Attribute  
usnChanged, usnCreated
```

This command uses ambiguous name resolution (ANR) to look for and retrieve objects whose Name attribute value is User 1 and whose state is either live or deleted. In addition to the default attribute set, the command retrieves the usnChanged and usnCreated attributes for each object.

### Example 4

```
PS C:\> Get-RMADObject -Filter "givenName=User 1|User 2,sn=Smith"
```

This command retrieves the objects whose givenName attribute value is either User 1 or User 2 and whose sn attribute value is Smith.

## Example 5

```
PS C:\> Get-RMADObject -Filter "whenCreated>=20220601123000.0Z"
```

This command retrieves all objects that were created on 1 June 2022 at 12:30:00 or after this date.

## Example 6

```
PS C:\> Get-RMADObject -Filter "whenCreated=20220601000000.0Z"
```

This command retrieves all objects that were created on 1 June 2022 between 00:00:00 and 23:59:59.

## Example 7

```
PS C:\> Get-RMADObject -Filter  
"distinguishedName='CN=user1,DC=mydomain,DC=com'"
```

Retrieves the object whose distinguished name (DN) is CN=user1,DC=mydomain,DC=com.

## Example 8

```
PS C:\> Get-RMADObject -Name user1 -State live -SearchBase  
'OU=Users,DC=domain,DC=com'
```

Gets the object whose Name attribute value is user1 and that is located in the container with DN OU=Users,DC=domain,DC=com or in any of its subcontainers.

# PARAMETERS

## -Attribute

Specifies the object attributes to retrieve in addition to the attributes the cmdlet retrieves by default. If this parameter is omitted or empty, the cmdlet retrieves the following default set of object attributes:

- distinguishedName
- name
- objectClass
- objectguid
- isDeleted
- isRecycled

To specify all available object attributes, type an asterisk (\*) in this parameter.

```
Type: String[]  
Parameter Sets: (All)  
Aliases:  
  
Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False
```

## -Backup

Specifies the backup that contains the object to retrieve. To specify a backup, type the backup GUID in this parameter or use the Get-RMADBackup cmdlet.

```
Type: Guid[]  
Parameter Sets: (All)  
Aliases:
```

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-BackupPassword**

Specifies the password to access the password-protected backup that contains the object you want to retrieve.

Type: SecureString  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Count**

Limits the maximum number of objects to retrieve.

Type: Int32  
Parameter Sets: Name, Filter  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Credential**

The user name and password of the user account with which you want to connect, in the form of a `PSCredential` object. Use the `Get-Credential` cmdlet provided by Windows PowerShell to pass a `PSCredential` object to this parameter.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-DisableADSearch**

When present, specifies to search Active Directory for objects to retrieve.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Filter**

Allows you to filter objects by attribute names and attribute values. For the syntax this parameter accepts, see the examples provided for this cmdlet.

Type: String  
Parameter Sets: Filter  
Aliases:  
  
Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Id**

Specifies the identifier of the object to retrieve. This parameter accepts one of the following:

- GUID
- Distinguished name (DN)
- samAccountName
- userLogonName

Type: String[]  
Parameter Sets: Identity  
Aliases:  
  
Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:  
  
Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-KeepBackupUnpacked**

Determines whether to save the unpacked backup after the search operation. If this parameter is not set, the unpacked backup will be deleted after the search operation is completed.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:  
  
Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Name**

Retrieves objects whose Name attribute value is equal to the value specified in this parameter. The Name attribute stores object's relative distinguished name (RDN) which looks similar to the following:

User 1\0ADEL:7dbac5c7-f38d-4270-8ac2-7a0674bc246b

Type: String[]

Parameter Sets: Name

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-Partition**

Specifies the distinguished name of the Active Directory partition from which you want to retrieve objects. If this parameter is omitted, the default naming context is used. This parameter is required if you specify an AD LDS (ADAM) instance host in the Server parameter

Type: String

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-Port**

Specifies the port number to connect to. If this parameter is set to 0 or omitted, the default LDAP port (389) is used.

Type: Int32

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-SearchBase**

Specifies an Active Directory container in which to search for objects. The search is performed in the specified container and all its subcontainers. Specify the distinguished name (DN) of the container in which you want to search.

Type: String

Parameter Sets: Name, Filter

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-Server**

Specifies the Active Directory domain, domain controller, or AD LDS (ADAM) instance host from which you want the cmdlet to retrieve objects. If this parameter is omitted, the cmdlet retrieves objects from any available domain controller in the current domain. To specify a domain controller or AD LDS (ADAM) instance host, use the computer name or IP address. If you specify an Active Directory domain name in this parameter, the cmdlet retrieves objects from any available domain controller in the specified domain.

Type: String

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-State**

Retrieves objects whose state is equal to any of the values specified in this parameter. This parameter can take one of the following values:

- All
- Deleted
- Live
- Recycled

When specifying multiple values in this parameter, use a comma as a separator.

Type: ObjectState

Parameter Sets: (All)

Aliases:

Accepted values: Live, Deleted, Recycled, All

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-Timeout**

Specifies the maximum wait time for retrieving the objects, in seconds. The default value is 30.

Type: Int32

Parameter Sets: Name, Filter

Aliases:

Required: False

Position: Named

Default value: 30

Accept pipeline input: False

Accept wildcard characters: False

## **-UseSsl**

Specifies whether use Secure Sockets Layer (SSL) to encrypt the connection.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Get-RMADReplicationConsole

## SYNOPSIS

Gets all the RMAD consoles in the replication console list.

## SYNTAX

```
Get-RMADReplicationConsole [<CommonParameters>]
```

## DESCRIPTION

Gets all the RMAD consoles in the replication console list.

## EXAMPLES

### Example 1

```
PS C:\> C:\>Get-RMADReplicationConsole
```

This command gets all the RMAD consoles in the replication console list.

## PARAMETERS

### CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Get-RMADReplicationSchedule

## SYNOPSIS

Allows you to get the replication schedule from a specified computer.

## SYNTAX

```
Get-RMADReplicationSchedule [<CommonParameters>]
```

## DESCRIPTION

Allows you to get the replication schedule from a specified computer.

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADReplicationSchedule
```

This example illustrates how to get the replication schedule from a specified computer.

## PARAMETERS

### CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Get-RMADReplicationSession

## SYNOPSIS

Retrieves information about replication sessions.

## SYNTAX

```
Get-RMADReplicationSession [[-Id] <Int32[]>] [<CommonParameters>]
```

## DESCRIPTION

Retrieves replication sessions. Each replication session contains a set of properties including the session start time, end time, and replication result.

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADReplicationSession
```

This command retrieves all the replication sessions.

## Example 2

```
PS C:\> Get-RMADReplicationSession -Id 1
```

This command retrieves the replication session by session ID.

## PARAMETERS

### -Id

Specifies the IDs of the replication sessions.

Type: Int32[]

Parameter Sets: (All)

Aliases:

Required: False

Position: 0

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

### CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

# Get-RMADReplicationSessionItem

## SYNOPSIS

Retrieves a list of remote consoles that are involved in the specified replication session.

# SYNTAX

## Session

```
Get-RMADReplicationSessionItem [-Session] <ReplicationSession>  
[<CommonParameters>]
```

## Id

```
Get-RMADReplicationSessionItem [-SessionId] <Int32> [<CommonParameters>]
```

# DESCRIPTION

Retrieves a list of remote consoles that are involved in the specified replication session.

# EXAMPLES

## Example 1

```
PS C:\> Get-RMADReplicationSession -Id 1 | Get-RMADReplicationSessionItem
```

This command retrieves the remote consoles that are involved in the replication session whose ID is 1.

# PARAMETERS

## -Session

Specifies the replication session for which you want to return a list of remote consoles.

```
Type: ReplicationSession  
Parameter Sets: Session  
Aliases:
```

```
Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False
```

## -SessionId

Specifies the replication session ID for which you want to return a list of remote consoles.

```
Type: Int32  
Parameter Sets: Id  
Aliases:
```

```
Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False
```

## CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Get-RMADReportObject

## SYNOPSIS

Retrieves an object representing the online comparison or restore operation item.

## SYNTAX

```
Get-RMADReportObject [-SessionId <Int32[]>] [<CommonParameters>]
```

## DESCRIPTION

Retrieves an object representing the online comparison or restore operation item.

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADReportObject
```

This command retrieves an object representing the online comparison or restore operation item.

### Example 2

```
PS C:\> Get-RMADReportObject | Get-RMADReportObjectAttributes
```

This command retrieves an object representing the online comparison operation item attributes.

## PARAMETERS

### -SessionId

Specifies the compare or restore session identifier from which to get changed or restored objects. If this parameter is not set, the latest compare or restore session will be used.

Type: Int32[]

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: True (ByPropertyName)

Accept wildcard characters: False

### CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

## Get-RMADReportObjectAttributes

### SYNOPSIS

Retrieves an object representing the online comparison or restore operation item attributes.

### SYNTAX

```
Get-RMADReportObjectAttributes -ObjectId <Int32[]> [<CommonParameters>]
```

## DESCRIPTION

Retrieves an object representing the online comparison or restore operation item attributes.

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADReportObject | Get-RMADReportObjectAttributes
```

This command retrieves an object representing the online comparison operation item attributes.

## PARAMETERS

### -ObjectId

Specifies changed or restored object identifier. To get the object, use the `Get-RMADReportObject` cmdlet.

Type: `Int32[]`

Parameter Sets: (All)

Aliases:

Required: `True`

Position: `Named`

Default value: `None`

Accept pipeline input: `True (ByPropertyName)`

Accept wildcard characters: `False`

### CommonParameters

This cmdlet supports the common parameters: `-Debug`, `-ErrorAction`, `-ErrorVariable`, `-InformationAction`, `-InformationVariable`, `-OutVariable`, `-OutBuffer`, `-PipelineVariable`, `-Verbose`, `-WarningAction`, and `-WarningVariable`. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: `QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml`

Module Name: `Quest.RecoveryManager.AD.PowerShell`

online version:

**schema: 2.0.0**

## Get-RMADReportObjectChildren

### SYNOPSIS

Retrieves an object representing the online comparison or restore operation item child items.

### SYNTAX

```
Get-RMADReportObjectChildren -ObjectId <Int32[]> [<CommonParameters>]
```

### DESCRIPTION

Retrieves an object representing the online comparison or restore operation item child items.

### EXAMPLES

#### Example 1

```
PS C:\> Get-RMADReportObject | Get-RMADReportObjectChildren
```

This command retrieves an object representing the online comparison or restore operation item child items.

### PARAMETERS

#### -ObjectId

Specifies changed or restored object identifier. To get the object, use the `Get-RMADReportObject` cmdlet.

Type: Int32[]

Parameter Sets: (All)

Aliases:

Required: True

Position: Named

Default value: None

Accept pipeline input: True (ByPropertyName)

Accept wildcard characters: False

#### CommonParameters

This cmdlet supports the common parameters: `-Debug`, `-ErrorAction`, `-ErrorVariable`, `-InformationAction`, `-InformationVariable`, `-OutVariable`, `-OutBuffer`, `-PipelineVariable`, `-Verbose`, `-WarningAction`, and `-WarningVariable`. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Get-RMADReportSession

## SYNOPSIS

Retrieves an object representing the online comparison or restore operation report.

## SYNTAX

```
Get-RMADReportSession [-SessionId <Int32>] [<CommonParameters>]
```

## DESCRIPTION

Retrieves an object representing the online comparison or restore operation report.

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADReportSession | Sort OperationDate
```

This command retrieves an object representing the online comparison or restore operation report. The report data is sorted by date.

## PARAMETERS

### **-SessionId**

Specifies the compare or restore session identifier.

Type: Int32

Parameter Sets: (All)

Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Get-RMADSession

## SYNOPSIS

Retrieves an object representing Recovery Manager backup sessions.

## SYNTAX

### collection (Default)

```
Get-RMADSession [[-Collection] <ComputerCollection[]>] [-Result  
<SessionResult[]>] [-UseCache]  
[-DayCount <Int32>] [-StartType <SessionStartType>] [<CommonParameters>]
```

### collectionId

```
Get-RMADSession [[-CollectionId] <Int32[]>] [-Result <SessionResult[]>] [-  
UseCache] [-DayCount <Int32>]  
[-StartType <SessionStartType>] [<CommonParameters>]
```

## collectionName

```
Get-RMADSession [[-CollectionName] <String[]>] [-Result <SessionResult[]>]
[-UseCache] [-DayCount <Int32>]
[-StartType <SessionStartType>] [<CommonParameters>]
```

## DESCRIPTION

Retrieves an object representing one or more Recovery Manager backup sessions for a specified Computer Collection. The retrieved object has such properties as names of the domain controllers that participated in the backup session, names of the domains to which the domain controllers belong, backup session result, and error messages, if any, encountered during the backup session.

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADSession -CollectionName coll -Result Error,Warning
-DayCount 5
```

Returns backup sessions that ended with an error or warning and started in the recent 5 days for the Computer Collection named coll.

### Example 2

```
PS C:\> Get-RMADSession -CollectionName "Collection1"
```

Returns all backup sessions for the Computer Collection named Collection1.

## PARAMETERS

### -Collection

Specifies the name of the computer collection for which you want to retrieve backup sessions.

```
Type: ComputerCollection[]
Parameter Sets: collection
Aliases:
```

```
Required: False
Position: 0
Default value: None
Accept pipeline input: True (ByValue)
Accept wildcard characters: False
```

### -CollectionId

Specifies the ID of the computer collection for which you want to retrieve backup sessions.

```
Type: Int32[]
Parameter Sets: collectionId
Aliases:
```

```
Required: False
Position: 0
Default value: None
Accept pipeline input: False
Accept wildcard characters: False
```

## **-CollectionName**

Specifies the name of the computer collection for which you want to retrieve backup sessions.

Type: String[]  
Parameter Sets: collectionName  
Aliases:  
  
Required: False  
Position: 0  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-DayCount**

Specifies the number of days within which the sessions you want to retrieve started. If you omit this parameter, sessions are retrieved regardless of when they started.

Type: Int32  
Parameter Sets: (All)  
Aliases:  
  
Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Result**

Retrieves backup sessions based on their result. If you omit this parameter, sessions are retrieved regardless of their result. This parameter can take one of the following values:

- Success
- Error
- Warning
- Unknown
- Running
- Canceled
- Abandoned
- Pending
- Verifying
- Installing
- Working

Type: SessionResult[]  
Parameter Sets: (All)  
Aliases:  
Accepted values: Success, Error, Warning, Unknown, Running, Canceled, Abandoned, Pending, Verifying, Installing, Working  
  
Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-StartType**

Specifies to return either scheduled backup sessions or backup sessions that were started manually. This parameter can take one of the following values:

- Manual - Specifies to return backup sessions that were started manually.
- Scheduled - Specifies to return scheduled backup sessions.

Type: SessionStartType  
Parameter Sets: (All)  
Aliases:  
Accepted values: Manual, Scheduled

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-UseCache**

Specifies to return the data from the cache.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

## **OUTPUTS**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

schema: 2.0.0

## Get-RMADSessionItem

### SYNOPSIS

Gets items from a specified backup creation session.

### SYNTAX

#### session (Default)

```
Get-RMADSessionItem [-Session <Session[]>] [-Result <SessionResult[]>]  
[<CommonParameters>]
```

#### sessionId

```
Get-RMADSessionItem [-SessionId <Int32[]>] [-Computer <String[]>] [-Result  
<SessionResult[]>]  
[<CommonParameters>]
```

### DESCRIPTION

Gets items from a specified backup creation session.

### EXAMPLES

#### Example 1

```
PS C:\> Get-RMADSessionItem -Computer "Comp*"
```

This command gets all session items from all backup creation sessions created for the computers whose name starts with Comp.

### PARAMETERS

#### -Computer

Gets items from the backup creation sessions run for the computer whose name specified in this parameter. This parameter accepts the asterisk (\*) wildcard.

```
Type: String[]  
Parameter Sets: sessionId  
Aliases:
```

```
Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False
```

## **-Result**

Gets items from the backup creation sessions that completed with the result specified in this parameter.

Type: `SessionResult[]`

Parameter Sets: (All)

Aliases:

Accepted values: `Success, Error, Warning, Unknown, Running, Canceled, Abandoned, Pending, Verifying, Installing, Working`

Required: `False`

Position: `Named`

Default value: `None`

Accept pipeline input: `False`

Accept wildcard characters: `False`

## **-Session**

Specifies the backup creation session from which to get session items.

Type: `Session[]`

Parameter Sets: `session`

Aliases:

Required: `False`

Position: `Named`

Default value: `None`

Accept pipeline input: `True (ByValue)`

Accept wildcard characters: `False`

## **-SessionId**

Specifies the identifier of the backup creation session from which to get session items.

Type: `Int32[]`

Parameter Sets: `sessionId`

Aliases:

Required: `False`

Position: `Named`

Default value: `None`

Accept pipeline input: `False`

Accept wildcard characters: `False`

## **CommonParameters**

This cmdlet supports the common parameters: `-Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable`. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Get-RMADSessionItemEvent

## SYNOPSIS

Gets events from a specified backup creation session item.

## SYNTAX

### sessionItem (Default)

```
Get-RMADSessionItemEvent [[-SessionItem] <SessionItem[]>] [-Type  
<EventType[]>] [<CommonParameters>]
```

### sessionItemId

```
Get-RMADSessionItemEvent [[-SessionItemId] <Int32[]>] [-Type <EventType[]>]  
[<CommonParameters>]
```

## DESCRIPTION

Gets events from a specified backup creation session item.

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADSessionItemEvent -Type Warning
```

Gets all Warning events for all backup creation sessions.

## PARAMETERS

### -SessionItem

Specifies the backup creation session item from which to get events.

Type: SessionItem[]  
Parameter Sets: sessionItem  
Aliases:

Required: False  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

### -SessionItemId

Specifies the identifier of the backup creation session item from which to get events.

Type: Int32[]  
Parameter Sets: sessionItemId  
Aliases:

Required: False  
Position: 0  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### -Type

Specifies the types of events to get. This parameter accepts the following values for event types:

- Information
- Warning
- Error

When specifying multiple event types, use a comma as a separator.

Type: EventType[]  
Parameter Sets: (All)  
Aliases:  
Accepted values: Information, Warning, Error

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Get-RMADStorageServer

## SYNOPSIS

Returns a list of registered secure storage servers.

## SYNTAX

```
Get-RMADStorageServer [[-Name] <String>] [<CommonParameters>]
```

## DESCRIPTION

Returns a list of currently registered secure storage servers.

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADStorageServer
```

Displays the list of currently registered storage servers.

### Example 2

```
PS C:\> Get-RMADStorageServer -Name storage.local
```

Displays a secure storage server with the 'storage.local' name, if any.

## PARAMETERS

### -Name

Specifies the name of a secure storage server to display.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

## CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

### String

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

## Import-RMADBackup

## SYNOPSIS

Reads the backup registration information from the .xml file and returns backup descriptions in the BackupInfo objects.

## SYNTAX

### Paths

```
Import-RMADBackup [-Path] <String[]> [-IgnoreReadOnly] [<CommonParameters>]
```

## Definition

```
Import-RMADBackup -Definition <String> [-IgnoreReadOnly]
[<CommonParameters>]
```

## DESCRIPTION

Reads the backup registration information from the .xml file and returns backup descriptions in the BackupInfo objects. After you import backups, you need to register them with Recovery Manager so that the backups become available in the Recovery Manager user interface. To register the backups, use the Add-RMADBackup cmdlet.

## EXAMPLES

### Example 1

```
PS C:\> Import-RMADBackup C:\ImportedBackups\RMADBackups.xml | Add-
RMADBackup
```

Imports backups from the C:\ImportedBackups\RMADBackups.xml file to the Recovery Manager for Active Directory backup registration database on the computer where you are using this cmdlet.

Then, the Add-RMADBackup registers the imported backups with Recovery Manager for Active Directory.

## PARAMETERS

### -Definition

Specifies the registration information about the backups you want to import into the Recovery Manager for Active Directory backup registration database.

Type: String

Parameter Sets: Definition

Aliases:

Required: True

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

### -IgnoreReadOnly

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

### -Path

Specifies the path to the .xml file that contains the registration information about the backups you want to import into the Recovery Manager for Active Directory backup registration database.

Type: String[]

Parameter Sets: Paths  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Install-RMADBackupAgent

## SYNOPSIS

Installs Recovery Manager Backup Agent on a specified computer or on each computer in a particular Computer Collection.

## SYNTAX

### DC

```
Install-RMADBackupAgent [-Computer] <String> [[-Credentials]  
<PSCredential>] [[-ConfigureFirewall] <Boolean>]  
[-IgnoreReadOnly] [<CommonParameters>]
```

### Collection

```
Install-RMADBackupAgent [[-Credentials] <PSCredential>] [[-  
ConfigureFirewall] <Boolean>]
```

```
[-CollectionName] <String> [-IgnoreReadOnly] [<CommonParameters>]
```

## DESCRIPTION

Allows you to install the Recovery Manager Backup Agent on a specified computer which can be a domain controller or AD LDS (ADAM) host, or on each computer in a particular Computer Collection.

## EXAMPLES

### Example 1

```
PS C:\> $credential = Get-Credential
Install-RMADBackupAgent -Computer dc1 -Credentials $credential
```

This code connects to the computer "dc1" under the user represented by the "credential" object and installs Recovery Manager Backup Agent there.

### Example 2

```
PS C:\> Install-RMADBackupAgent -CollectionName "New Computer Collection"
```

This code installs the Recovery Manager Backup Agent on each computer in the collection named "New Computer Collection".

## PARAMETERS

### -CollectionName

Specifies the name of the Computer Collection that includes the computers on which Backup Agent should be installed.

```
Type: String
Parameter Sets: Collection
Aliases:
```

```
Required: True
Position: 0
Default value: None
Accept pipeline input: False
Accept wildcard characters: False
```

### -Computer

Specifies the name of the computer which can be domain controller or AD LDS (ADAM) host, where to install a Recovery Manager Backup Agent.

```
Type: String
Parameter Sets: DC
Aliases:
```

```
Required: True
Position: 0
Default value: None
Accept pipeline input: False
Accept wildcard characters: False
```

## **-ConfigureFirewall**

Specifies whether Recovery Manager automatically configures Windows Firewall on domain controllers to allow backup operations.

Type: Boolean

Parameter Sets: (All)

Aliases:

Required: False

Position: 2

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-Credentials**

Specifies the user name and the password of the user account to use for connecting to the target computer and installing Backup Agent. Use the Get-Credential cmdlet provided by Windows PowerShell to get the PSCredential object representing user credentials.

Notes:

- The user should be a local Administrator on the target computer.
- If you omit this parameter, Backup Agent will be installed under the current user account.

Type: PSCredential

Parameter Sets: (All)

Aliases:

Required: False

Position: 1

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

## New-RMADCollection

### SYNOPSIS

Creates a new computer collection.

### SYNTAX

```
New-RMADCollection [[-Name] <String>] [-Temporary] [-IgnoreReadOnly]  
[<CommonParameters>]
```

### DESCRIPTION

Creates a new computer collection with a default name or with the name you specify. The new computer collection is created using the default computer collection parameters set in the Recovery Manager console.

### EXAMPLES

#### Example 1

```
PS C:\> New-RMADCollection -Name Collection1
```

This command creates a new computer collection named Collection1.

#### Example 2

```
PS C:\> New-RMADCollection Collection1 -Temporary
```

This command creates a new temporary computer collection from the existing collection named Collection1.

# PARAMETERS

## **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

## **-Name**

Allows you to specify a name for the computer collection to be created.

Type: String

Parameter Sets: (All)

Aliases:

Required: False

Position: 0

Default value: None

Accept pipeline input: True (ByPropertyName, ByValue)

Accept wildcard characters: False

## **-Temporary**

Creates a new temporary computer collection.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

## New-RMADSchedule

### SYNOPSIS

Creates a schedule for the backup creation operation you want to perform on a particular computer collection.

### SYNTAX

#### Once

```
New-RMADSchedule [-Once] -StartDate <DateTime> [-MinutesDuration <UInt32>]
[-MinutesInterval <UInt32>]
[<CommonParameters>]
```

#### Daily

```
New-RMADSchedule [-Daily] -DaysInterval <Int32> -StartDate <DateTime> [-
EndDate <DateTime>]
[-MinutesDuration <UInt32>] [-MinutesInterval <UInt32>]
[<CommonParameters>]
```

#### Weekly

```
New-RMADSchedule [-Weekly] -WeeksInterval <Int32> -DaysOfWeek
<DaysOfTheWeek> -StartDate <DateTime>
[-EndDate <DateTime>] [-MinutesDuration <UInt32>] [-MinutesInterval
<UInt32>] [<CommonParameters>]
```

#### MonthlyDate

```
New-RMADSchedule [-MonthlyDate] -Day <Int32> [-Months <Months>] -StartDate
<DateTime> [-EndDate <DateTime>]
[-MinutesDuration <UInt32>] [-MinutesInterval <UInt32>]
[<CommonParameters>]
```

## MonthlyDOW

```
New-RMADSchedule [-MonthlyDOW] [-DaysOfWeek <DaysOfTheWeek>] [-Months <Months>] -Week <WhichWeek> -StartDate <DateTime> [-EndDate <DateTime>] [-MinutesDuration <UInt32>] [-MinutesInterval <UInt32>] [<CommonParameters>]
```

## DESCRIPTION

Creates a schedule to perform the backup creation operation a particular computer collection. You can use the parameters of this cmdlet to set a recurring or non-recurring schedule for the backup creation operation.

## EXAMPLES

### Example 1

```
PS C:\> New-RMADSchedule -Once -StartDate "2/20/2022 1:00"
```

Runs the backup creation operation at 1:00 a.m. on the 20th February 2022.

### Example 2

```
PS C:\> New-RMADSchedule -Daily -StartDate "2/20/2022 1:00" -DaysInterval 3
```

Runs the backup creation operation every 3 days, starting from 1:00 a.m. on the 20th February 2022.

### Example 3

```
PS C:\> New-RMADSchedule -Weekly -StartDate "2/20/2022 1:00" -WeeksInterval 2 -DaysOfWeek Monday, Friday
```

Runs the backup creation operation on Monday and Friday of every second week, starting from 1:00 a.m. on the 20th February 2022.

### Example 4

```
PS C:\> New-RMADSchedule -MonthlyDate -StartDate "2/20/2022 1:00" -Day 1
```

Runs the backup creation operation on every first day of each month (the Months parameter is omitted, therefore the backup creation operation is invoked each month), starting from 1:00 a.m. on the 20th February 2022.

### Example 5

```
PS C:\> New-RMADSchedule -MonthlyDOW -StartDate "2/20/2022 1:00" -DaysOfWeek 1,5 -Week 1
```

Runs the backup creation operation on every first Monday and Friday of each month, starting from 1:00 a.m. on the 20th February 2022.

## PARAMETERS

### -Daily

Runs the backup creation operation on a daily basis.

```
Type: SwitchParameter  
Parameter Sets: Daily  
Aliases:
```

Required: True

Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Day**

Sets the day of the month when you want to run the backup creation operation.

Type: Int32  
Parameter Sets: MonthlyDate  
Aliases:

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-DaysInterval**

Sets an interval (in number of days) between invocations of the backup creation operation.

Type: Int32  
Parameter Sets: Daily  
Aliases:

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-DaysOfWeek**

Runs the backup creation operation on particular days of week. To set the weeks when you want to run the backup creation operation, use the Weekly or MonthlyDOW parameter.

Type: DaysOfTheWeek  
Parameter Sets: Weekly  
Aliases:  
Accepted values: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False  
Type: DaysOfTheWeek  
Parameter Sets: MonthlyDOW  
Aliases:  
Accepted values: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-EndDate**

Specifies the date when the backup creation operation schedule expires.

Type: DateTime

Parameter Sets: Daily, Weekly, MonthlyDate, MonthlyDOW

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-MinutesDuration**

Specifies the time period (in minutes) during which you want to repeatedly run (invoke) the backup creation operation. To set the time interval between invocations of the backup creation operation, use the MinutesInterval parameter.

Type: UInt32

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-MinutesInterval**

Specifies the time interval (in minutes) between invocations of the backup creation operation. To set the time period during which you want to repeatedly run (invoke) the backup creation operation, use the MinutesDuration parameter.

Type: UInt32

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-MonthlyDate**

Runs the backup creation operation on particular day of month. To set the months and day of month when you want to run the backup creation operation, use the Months and Day parameters respectively.

Type: SwitchParameter

Parameter Sets: MonthlyDate

Aliases:

Required: True

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

## **-MonthlyDOW**

Runs the backup creation operation on particular days of week in particular months. To set the months, weeks, and days of week, use the Months, Week, and DaysOfWeek parameters respectively.

Type: SwitchParameter  
Parameter Sets: MonthlyDOW  
Aliases:

Required: True  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Months**

Sets the months when you want to run the backup creation operation.

Type: Months  
Parameter Sets: MonthlyDate, MonthlyDOW  
Aliases:

Accepted values: January, February, March, April, May, June, July, August, September, October, November, December

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Once**

Runs the backup creation operation only once.

Type: SwitchParameter  
Parameter Sets: Once  
Aliases:

Required: True  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-StartDate**

Specifies the date when the backup creation operation schedule comes into effect.

Type: DateTime  
Parameter Sets: (All)  
Aliases:

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Week**

Sets the week of the month when you want to run the backup creation operation. This parameter accepts the following values:

- 1. Specifies the first week of the month.
- 2. Specifies the second week of the month.
- 3. Specifies the third week of the month.
- 4. Specifies the fourth week of the month.
- 5. Specifies the fifth week of the month.

Type: WhichWeek

Parameter Sets: MonthlyDOW

Aliases:

Accepted values: None, FirstWeek, SecondWeek, ThirdWeek, FourthWeek, LastWeek

Required: True

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-Weekly**

Runs the backup creation operation on a weekly basis.

Type: SwitchParameter

Parameter Sets: Weekly

Aliases:

Required: True

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

## **-WeeksInterval**

Sets an interval (in number of weeks) between invocations of the backup creation operation.

Type: Int32

Parameter Sets: Weekly

Aliases:

Required: True

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Protect-RMADSecureStorageServer

## SYNOPSIS

Enables storage server hardening.

## SYNTAX

### Name

```
Protect-RMADSecureStorageServer [-IgnoreReadOnly] [-Name] <String> [-WhatIf] [-Confirm] [<CommonParameters>]
```

### Server

```
Protect-RMADSecureStorageServer [-IgnoreReadOnly] [-Server] <StorageServer> [-WhatIf] [-Confirm] [<CommonParameters>]
```

## DESCRIPTION

Enables storage server hardening.

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADStorageServer | Protect-RMADSecureStorageServer
```

Enables hardening on all registered secure storage servers.

## Example 2

```
PS C:\> Protect-RMADSecureStorageServer -Name "storage.srv"
```

Enables hardening on the specified storage server.

## PARAMETERS

### **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Name**

Specifies the name of the secure storage server.

Type: String  
Parameter Sets: Name  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

### **-Server**

Specifies the secure storage server. Use `Get-RMADStorageServer` to get a list of all secure storage servers.

Type: StorageServer  
Parameter Sets: Server  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

### **-Confirm**

Prompts you for confirmation before running the cmdlet.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: cf

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False

Accept wildcard characters: False

## **-WhatIf**

Shows what would happen if the cmdlet runs.

Type: SwitchParameter

Parameter Sets: (All)

Aliases: wi

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

**System.String**

## **OUTPUTS**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

# **Publish-RMADBackupSecurityStatus**

## **SYNOPSIS**

Publishes security check information for a specified backup.

## **SYNTAX**

```
Publish-RMADBackupSecurityStatus -BackupGuid <Guid[]> -SecurityStatus  
<BackupSecurityStatus>  
[<CommonParameters>]
```

## DESCRIPTION

Saves security check information for a specified backup registered with Recovery Manager for Active Directory.

## EXAMPLES

### Example 1

```
PS C:\> $bkf = (Get-RMADBackup -ComputerName DC.DomainName.local)[-1]
$status = New-Object -TypeName
QuestSoftware.RecoveryManager.AD.PowerShell.BackupSecurityStatus
$status.Summary = "Passed"
$status.Details = "some passed"
$status.CheckDate = Get-Date
Publish-RMADBackupSecurityStatus -BackupGuid $bkf.backupGuid -
SecurityStatus $status
Get-RMADBackupSecurityStatus -BackupGuid $bkf.BackupGuid
```

**For troubleshooting only.** This command saves antimalware scan results for a specified backup registered with Recovery Manager for Active Directory.

## PARAMETERS

### -BackupGuid

This is the GUID of the backup for which a user wants to get the antimalware scan results.

Type: Guid[]

Parameter Sets: (All)

Aliases:

Required: True

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

### -SecurityStatus

Result information about the security check of a particular backup.

Type: BackupSecurityStatus

Parameter Sets: (All)

Aliases:

Required: True

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

### CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

# Refresh-RMADStorageServer

## SYNOPSIS

Refreshes current information of the secure storage server.

## SYNTAX

### Name

```
Refresh-RMADStorageServer [-IgnoreReadOnly] [-Name] <String>  
[<CommonParameters>]
```

### Server

```
Refresh-RMADStorageServer [-IgnoreReadOnly] [-Server] <StorageServer>  
[<CommonParameters>]
```

## DESCRIPTION

Connects to the secure storage server and retrieves the current status (agent state and hardening state).

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADStorageServer | Refresh-RMADStorageServer
```

Updates statuses of all registered secure storage servers.

### Example 2

```
PS C:\> Refresh-RMADStorageServer -Name "storage.srv"
```

Refreshes the status of the specified secure storage server.

## PARAMETERS

### **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Name**

Specifies the name of the secure storage server.

Type: String  
Parameter Sets: Name  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

### **-Server**

Specifies the secure storage server. Use `Get-RMADStorageServer` to get a list of all secure storage servers.

Type: StorageServer  
Parameter Sets: Server  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

## CommonParameters

This cmdlet supports the common parameters: `-Debug`, `-ErrorAction`, `-ErrorVariable`, `-InformationAction`, `-InformationVariable`, `-OutVariable`, `-OutBuffer`, `-PipelineVariable`, `-Verbose`, `-WarningAction`, and `-WarningVariable`. For more information, see [about\\_CommonParameters](#).

## INPUTS

**System.String**

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Register-RMADSecureStorageBackups

## SYNOPSIS

Registers backups on an existing secure storage server in a Recovery Manager database.

## SYNTAX

### Name

```
Register-RMADSecureStorageBackups [-IgnoreReadOnly] [-Name] <String>  
[<CommonParameters>]
```

### Server

```
Register-RMADSecureStorageBackups [-IgnoreReadOnly] [-Server]  
<StorageServer> [<CommonParameters>]
```

## DESCRIPTION

Registers backups on an existing secure storage server in a Recovery Manager database so that the backups become available in the Recovery Manager user interface.

## EXAMPLES

### Example 1

```
PS C:\> Register-RMADSecureStorageBackups -Name "storage.srv"
```

Registers backups on a specified storage server.

## PARAMETERS

### **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

### **-Name**

Specifies the name of the secure storage server.

Type: String

Parameter Sets: Name

Aliases:

Required: True

Position: 0

Default value: None

Accept pipeline input: True (ByValue)

Accept wildcard characters: False

### **-Server**

Specifies the secure storage server. Use `Get-RMADStorageServer` to get a list of all secure storage servers.

Type: StorageServer

Parameter Sets: Server

Aliases:

Required: True

Position: 0

Default value: None

Accept pipeline input: True (ByValue)

Accept wildcard characters: False

### **CommonParameters**

This cmdlet supports the common parameters: `-Debug`, `-ErrorAction`, `-ErrorVariable`, `-InformationAction`, `-InformationVariable`, `-OutVariable`, `-OutBuffer`, `-PipelineVariable`, `-Verbose`, `-WarningAction`, and `-WarningVariable`. For more information, see [about\\_CommonParameters](#).

## INPUTS

**System.String**

**QuestSoftware.RecoveryManager.AD.PowerShell.Cmdlets.StorageServersManagement.StorageServer**

## OUTPUTS

**System.Object**

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

# Remove-RMADBackup

## SYNOPSIS

Allows you to selectively unregister backups from the Recovery Manager backup registration database.

## SYNTAX

### Instance

```
Remove-RMADBackup [-InputObject] <BackupInfo[]> [-Delete <Boolean>] [-ShareCredential <PSCredential>] [-IgnoreReadOnly] [-WhatIf] [-Confirm] [<CommonParameters>]
```

### Id

```
Remove-RMADBackup [-Id] <Int32[]> [-Delete <Boolean>] [-ShareCredential <PSCredential>] [-IgnoreReadOnly] [-WhatIf] [-Confirm] [<CommonParameters>]
```

## DESCRIPTION

Allows you to selectively unregister backups from the Recovery Manager backup registration database. Optionally, you can delete the unregistered backups from their location.

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADBackup | Where-Object {$_.Date -lt (Get-Date).AddDays(-15)}  
| Remove-RMADBackup -Delete $true
```

Gets all backups created by Recovery Manager for Active Directory in the last 15 days, unregisters these backups from the backup registration database, and then deletes the backup files.

## PARAMETERS

### -Delete

Specifies to delete the backups being unregistered from their locations. This parameter can take one of the following values:

- \$true
- \$false

Type: Boolean  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### -Id

Specifies the IDs of the backups you want to unregister from the Recovery Manager backup registration database. If you use this parameter, omit the InputObject parameter of this cmdlet.

Type: Int32[]  
Parameter Sets: Id  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

### -IgnoreReadOnly

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-InputObject**

Specifies the IBackupInfo objects representing the backups you want to unregister from the Recovery Manager backup registration database. If you use this parameter, omit the Id parameter of this cmdlet.

Type: BackupInfo[]  
Parameter Sets: Instance  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

## **-ShareCredential**

Specifies credential for share folder that contains the backup in case of -delete flag is true.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Confirm**

Prompts for a confirmation before executing the command.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: cf

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Whatif**

Describes what would happen if you ran the command without actually running the command.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: wi

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

# Remove-RMADBackupAgent

## SYNOPSIS

Removes Recovery Manager Backup Agent from a specified computer, or its registration information from the Recovery Manager Console.

## SYNTAX

```
Remove-RMADBackupAgent [-Computer] <String> [[-Credentials] <PSCredential>]
[-Uninstall] [-IgnoreReadOnly]
[<CommonParameters>]
```

## DESCRIPTION

Allows you to completely remove Recovery Manager Backup Agent from a specified computer. You can also select to remove only registration information that relates to a particular Backup Agent from the Recovery Manager Console. This may be useful if you removed Backup Agent from a computer manually but the related agent entry remains on the Backup Agent Management node of the Recovery Manager Console.

## EXAMPLES

### Example 1

```
PS C:\> Remove-RMADBackupAgent -Computer "dc1"
```

This code removes registration information that relates to Backup Agent installed on the computer "dc1" from the Recovery Management Console.

### Example 2

```
PS C:\> $credential = Get-Credential
Remove-RMADBackupAgent -Computer "dc1" -Credentials $credential -Uninstall
```

This code connects to the computer "dc1" under the user represented by the "credential" object and removes Backup Agent from it. Note that corresponding Backup Agent registration information is removed from the Recovery Management Console as well.

## PARAMETERS

### -Computer

Specifies the name of the computer from which to remove Recovery Manager Backup Agent.

Type: String  
Parameter Sets: (All)  
Aliases:  
  
Required: True  
Position: 0  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### -Credentials

Specifies the user name and the password of the user account to use for connecting to the target computer and removing Backup Agent. Use the Get-Credential cmdlet provided by Windows PowerShell to get the PSCredential object representing user credentials.

Notes:

- The user should be a local Administrator on the target computer.
- If you omit this parameter, Backup Agent will be removed under the current user account.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:  
  
Required: False  
Position: 1  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### -IgnoreReadOnly

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:  
  
Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### -Uninstall

Specifies whether the Recovery Manager Backup Agent should be completely removed. If this parameter is omitted, only the agent registration information will be removed.

Type: SwitchParameter  
Parameter Sets: (All)

Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Remove-RMADCollection

## SYNOPSIS

Deletes specified Computer Collections.

## SYNTAX

### Name (Default)

```
Remove-RMADCollection [-Name] <String[]> [-IgnoreReadOnly] [-WhatIf] [-Confirm] [<CommonParameters>]
```

### InputObject

```
Remove-RMADCollection [-InputObject] <ComputerCollection[]> [-IgnoreReadOnly] [-WhatIf] [-Confirm] [<CommonParameters>]
```

## Id

```
Remove-RMADCollection [-Id] <Int32[]> [-IgnoreReadOnly] [-WhatIf] [-Confirm] [<CommonParameters>]
```

## DESCRIPTION

Deletes the Computer Collections that have the specified name or are represented by the specified objects.

## EXAMPLES

### Example 1

```
PS C:\> Remove-RMADCollection -Name "New Computer Collection"
```

Deletes the computer collection named New Computer Collection.

### Example 2

```
PS C:\> Get-RMADCollection | Where-Object {$_.Schedule.Count -eq 0} |  
Remove-RMADCollection
```

The Get-RMADCollection cmdlet gets all computer collections. The Where-Object cmdlet then filters out the collections for which no backup creation operation is scheduled. The pipeline operator passes the filtered collection objects to the Remove-RMADCollection cmdlet, which deletes these collection objects.

## PARAMETERS

### -Id

Specifies the identifier of the Computer Collection to delete.

```
Type: Int32[]  
Parameter Sets: Id  
Aliases:
```

```
Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False
```

### -IgnoreReadOnly

Allows you to perform the action in a console currently performing full replication.

```
Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:
```

```
Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False
```

### -InputObject

Deletes Computer Collections represented by the specified collection objects. Enter a variable that contains the objects or type a command or expression that gets the objects.

Type: ComputerCollection[]  
Parameter Sets: InputObject  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

### **-Name**

Specifies the name of the Computer Collection to be deleted.

Type: String[]  
Parameter Sets: Name  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByPropertyName)  
Accept wildcard characters: False

### **-Confirm**

Prompts for confirmation before executing the command.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: cf

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Whatif**

Describes what would happen if you ran the command without actually running the command.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: wi

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Remove-RMADCollectionItem

## SYNOPSIS

Removes items from a specified Computer Collection.

## SYNTAX

```
Remove-RMADCollectionItem [-Collection] <String[]> [-Item] <String[]> [-IgnoreReadOnly] [<CommonParameters>]
```

## DESCRIPTION

Allows you to selectively remove items from the Computer Collection you specify.

## EXAMPLES

### Example 1

```
PS C:\> Remove-RMADCollectionItem -Collection Collection1 -Item Comp1
```

Removes the item named Comp1 from the Computer Collection named Collection1.

## PARAMETERS

### -Collection

Specifies the Computer Collection from which to remove items. To specify a Computer Collection, type the Computer Collection name in this parameter.

Type: String[]

Parameter Sets: (All)

Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

### **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Item**

Specifies items to remove from the Computer Collection. To specify an item, type the item name in this parameter.

Type: String[]  
Parameter Sets: (All)  
Aliases:

Required: True  
Position: 1  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

## **OUTPUTS**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

schema: 2.0.0

## Remove-RMADReplicationConsole

### SYNOPSIS

Removes an RMAD console from the replication console list.

### SYNTAX

#### Id

```
Remove-RMADReplicationConsole [-Id] <Int32[]> [<CommonParameters>]
```

#### ComputerName

```
Remove-RMADReplicationConsole [-ComputerName] <String[]>  
[<CommonParameters>]
```

#### InputObject

```
Remove-RMADReplicationConsole [-InputObject] <ReplicationConsole[]>  
[<CommonParameters>]
```

### DESCRIPTION

Removes the specified RMAD console or replication consoles from the replication console list.

### EXAMPLES

#### Example 1

```
PS C:\> C:\> Remove-RMADReplicationConsole Hostname1
```

This command removes the RMAD console on Hostname1 from the replication console list.

#### Example 2

```
PS C:\> C:\> Remove-RMADReplicationConsole -Id 1
```

This command removes the RMAD console with specified ID from the replication console list.

#### Example 3

```
PS C:\> C:\> Get-RMADReplicationConsole | Remove-RMADReplicationConsole
```

This command removes all the replication consoles from the replication console list.

### PARAMETERS

#### -ComputerName

Specifies the hostname of the replication console you want to remove.

Type: String[]  
Parameter Sets: ComputerName  
Aliases:  
  
Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByPropertyName, ByValue)  
Accept wildcard characters: False

## **-Id**

Specifies the ID of the replication console you want to remove.

Type: Int32[]  
Parameter Sets: Id  
Aliases:  
  
Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByPropertyName, ByValue)  
Accept wildcard characters: False

## **-InputObject**

Specifies the replication console object you want to remove.

Type: ReplicationConsole[]  
Parameter Sets: InputObject  
Aliases:  
  
Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

## **OUTPUTS**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

schema: 2.0.0

## Remove-RMADReplicationSchedule

### SYNOPSIS

Allows you to remove the replication schedule from a specified computer.

### SYNTAX

```
Remove-RMADReplicationSchedule [<CommonParameters>]
```

### DESCRIPTION

Allows you to remove the replication schedule from a specified computer.

### EXAMPLES

#### Example 1

```
PS C:\> Remove-RMADReplicationSchedule
```

### PARAMETERS

#### CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

### INPUTS

### OUTPUTS

### NOTES

### RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

schema: 2.0.0

## Remove-RMADReplicationSession

### SYNOPSIS

Deletes replication sessions from the replication history.

### SYNTAX

#### Session

```
Remove-RMADReplicationSession [-Session] <ReplicationSession[]>  
[<CommonParameters>]
```

#### Id

```
Remove-RMADReplicationSession [-Id] <Int32[]> [<CommonParameters>]
```

### DESCRIPTION

Deletes one or more replication sessions from the replication history.

### EXAMPLES

#### Example 1

```
PS C:\> Remove-RMADReplicationSession -Id 1
```

This command deletes the replication session whose ID is 1.

#### Example 2

```
PS C:\> Get-RMADReplicationSession | Remove-RMADReplicationSession
```

This command clears the replication history.

### PARAMETERS

#### -Id

Specifies the IDs of replication sessions for deleting.

Type: Int32[]

Parameter Sets: Id

Aliases:

Required: True

Position: 0

Default value: None

Accept pipeline input: True (ByValue)

Accept wildcard characters: False

## **-Session**

Specifies the replication sessions for deleting.

Type: ReplicationSession[]

Parameter Sets: Session

Aliases:

Required: True

Position: 0

Default value: None

Accept pipeline input: True (ByValue)

Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

## **OUTPUTS**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

# **Remove-RMADSession**

## **SYNOPSIS**

Allows you to selectively delete specified Recovery Manager backup session(s).

## **SYNTAX**

### **Instance**

```
Remove-RMADSession -InputObject <Session[]> [<CommonParameters>]
```

### **SessionID**

```
Remove-RMADSession -SessionId <Int32[]> [<CommonParameters>]
```

## RemoveAll

```
Remove-RMADSession [-RemoveAll] [<CommonParameters>]
```

## DESCRIPTION

Allows you to selectively delete specified Recovery Manager backup session(s).

## EXAMPLES

### Example 1

```
PS C:\> Get-RMADSession | Where-Object {$_.StartDate -gt (Get-Date).AddDays(-15)} | Remove-RMADSession
```

Gets all Recovery Manager backup sessions started by Recovery Manager for Active Directory in the last 15 days, and deletes them.

### Example 2

```
PS C:\> Remove-RMADSession -SessionID 1,2,3
```

Deletes the Recovery Manager backup sessions with session IDs 1,2, and 3.

### Example 3

```
PS C:\> Remove-RMADSession -RemoveAll
```

Deletes all Recovery Manager backup sessions.

## PARAMETERS

### -InputObject

Specifies the ISession objects representing the Recovery Manager backup sessions you want to delete. If you use this parameter, omit the SessionId and RemoveAll parameters of this cmdlet.

```
Type: Session[]  
Parameter Sets: Instance  
Aliases:
```

```
Required: True  
Position: Named  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False
```

### -RemoveAll

Deletes all Recovery Manager backup sessions. If you use this parameter, omit the SessionId and InputObject parameters of this cmdlet.

```
Type: SwitchParameter  
Parameter Sets: RemoveAll  
Aliases:
```

```
Required: True  
Position: 0  
Default value: None  
Accept pipeline input: False
```

Accept wildcard characters: False

## **-SessionId**

Specifies the IDs of the Recovery Manager backup sessions you want to delete. If you use this parameter, omit the InputObject and RemoveAll parameters of this cmdlet.

Type: Int32[]

Parameter Sets: SessionID

Aliases:

Required: True

Position: Named

Default value: None

Accept pipeline input: True (ByValue)

Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

**QuestSoftware.RecoveryManager.AD.PowerShell.Session[]**

**System.Int32[]**

## **OUTPUTS**

**System.Object**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

# **Remove-RMADStorageServer**

## **SYNOPSIS**

Removes the secure storage server.

## SYNTAX

### Name

```
Remove-RMADStorageServer [-IgnoreReadOnly] [-Name] <String> [-WhatIf] [-Confirm] [<CommonParameters>]
```

### Server

```
Remove-RMADStorageServer [-IgnoreReadOnly] [-Server] <StorageServer> [-WhatIf] [-Confirm] [<CommonParameters>]
```

## DESCRIPTION

Removes currently registered secure storage servers.

## EXAMPLES

### Example 1

```
PS C:\> Remove-RMADStorageServer -Name "backupsrv01.acme.test"
```

Removes the specified secure storage server.

### Example 2

```
PS C:\> Get-RMADStorageServer | Remove-RMADStorageServer
```

Removes all registered secure storage servers.

## PARAMETERS

### -IgnoreReadOnly

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

### -Name

Specifies the name of the registered storage server (DNS name or IP address).

Type: String

Parameter Sets: Name

Aliases:

Required: True

Position: 0

Default value: None

Accept pipeline input: True (ByValue)

Accept wildcard characters: False

## **-Server**

Specifies the secure storage server object.

Type: StorageServer  
Parameter Sets: Server  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

## **-Confirm**

Prompts you for confirmation before running the cmdlet.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: cf

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Whatif**

Shows what happens when you run the cmdlet. The cmdlet does not actually run.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: wi

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

**System.String**

**QuestSoftware.RecoveryManager.AD.PowerShell.Cmdlets.StorageServersManagement.StorageServer**

## OUTPUTS

**System.Object**

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

# Remove-RMADUnpackedComponent

## SYNOPSIS

Allows you to delete components (data) unpacked from specified backups.

## SYNTAX

### Instance

```
Remove-RMADUnpackedComponent [-InputObject] <BackupInfo[]> [-IgnoreReadOnly] [-WhatIf] [-Confirm] [<CommonParameters>]
```

### Id

```
Remove-RMADUnpackedComponent [-Id] <Int32[]> [-IgnoreReadOnly] [-WhatIf] [-Confirm] [<CommonParameters>]
```

## DESCRIPTION

Allows you to delete all components (data) unpacked from specified backups and saved in the Recovery Manager cache for further use.

## EXAMPLES

### Example 1

```
PS C:\> Remove-RMADUnpackedComponent (Get-RMADBackup | where{$_ .IsUnpacked -eq "true"})
```

Deletes all components unpacked from backups created with Recovery Manager for Active Directory.

## PARAMETERS

### **-Id**

Specifies the IDs of the backups whose unpacked components you want to delete. If you use this parameter, omit the `InputObject` parameter of this cmdlet.

```
Type: Int32[]
Parameter Sets: Id
Aliases:
```

```
Required: True
Position: 0
Default value: None
Accept pipeline input: True (ByValue)
Accept wildcard characters: False
```

### **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

```
Type: SwitchParameter
Parameter Sets: (All)
Aliases:
```

```
Required: False
Position: Named
Default value: False
Accept pipeline input: False
Accept wildcard characters: False
```

### **-InputObject**

Specifies the `IBackupInfo` objects representing the backups whose unpacked components you want to delete. If you use this parameter, omit the `Id` parameter of this cmdlet.

```
Type: BackupInfo[]
Parameter Sets: Instance
Aliases:
```

```
Required: True
Position: 0
Default value: None
Accept pipeline input: True (ByValue)
Accept wildcard characters: False
```

### **-Confirm**

Prompts for confirmation before executing the command.

```
Type: SwitchParameter
Parameter Sets: (All)
```

Aliases: cf

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-WhatIf**

Describes what would happen if you ran the command without actually running the command.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: wi

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

## **OUTPUTS**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# **Rename-RMADCollection**

## **SYNOPSIS**

Renames a computer collection.

## SYNTAX

### Name (Default)

```
Rename-RMADCollection [-Name] <String> [-Value] <String> [-PassThru] [-IgnoreReadOnly] [-WhatIf] [-Confirm] [<CommonParameters>]
```

### InputObject

```
Rename-RMADCollection [-InputObject] <ComputerCollection> [-Value] <String> [-PassThru] [-IgnoreReadOnly] [-WhatIf] [-Confirm] [<CommonParameters>]
```

### Id

```
Rename-RMADCollection [-Id] <Int32> [-Value] <String> [-PassThru] [-IgnoreReadOnly] [-WhatIf] [-Confirm] [<CommonParameters>]
```

## DESCRIPTION

Renames a computer collection with the name you specify.

## EXAMPLES

### Example 1

```
PS C:\> Rename-RMADCollection -Name "New Computer Collection" -Value Collection1
```

This command renames the computer collection named "New Computer Collection" to "Collection1".

### Example 2

```
PS C:\> $c = Get-RMADCollection -Name "Collection1"
```

```
C:\PS>Rename-RMADCollection -InputObject $c -Value "Collection2"
```

The `Get-RMADCollection` cmdlet retrieves the computer collection named `Collection1`. This collection is then passed to the `Rename-RMADCollection` cmdlet that renames it to `Collection2`.

## PARAMETERS

### -Id

Specifies the identifier of the computer collection you want to rename.

Type: Int32

Parameter Sets: Id

Aliases:

Required: True

Position: 0

Default value: None

Accept pipeline input: True (ByValue)

Accept wildcard characters: False

## **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-InputObject**

Renames the computer collection represented by the specified collection objects. Specify the name of the variable that contains the objects or type a command or expression that gets the objects.

Type: ComputerCollection  
Parameter Sets: InputObject  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

## **-Name**

Specifies the name of the computer collection to be renamed.

Type: String  
Parameter Sets: Name  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByPropertyName, ByValue)  
Accept wildcard characters: False

## **-PassThru**

Passes the renamed collection along the pipeline. If this parameter is omitted, the renamed collection is not passed along the pipeline.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Value**

Specifies the new name you want to assign to the computer collection.

Type: String  
Parameter Sets: (All)

Aliases: NewName

Required: True

Position: 1

Default value: None

Accept pipeline input: True (ByPropertyName)

Accept wildcard characters: False

### **-Confirm**

Prompts for a confirmation before executing the command.

Type: SwitchParameter

Parameter Sets: (All)

Aliases: cf

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

### **-Whatif**

Describes what would happen if you ran the command without actually running the command.

Type: SwitchParameter

Parameter Sets: (All)

Aliases: wi

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

### **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

## **OUTPUTS**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

schema: 2.0.0

## Restore-RMADDeletedObject

### SYNOPSIS

Restores deleted Active Directory objects.

This cmdlet requires Windows PowerShell to be started using a multi-threaded apartment (MTA).

### SYNTAX

#### Default (Default)

```
Restore-RMADDeletedObject [-ProcessRecycledObjects] [-Backup <Guid>] [-RestoreParent <RestoreParent>] [-Full] [-NoReport] [-SkipReplication] [-ReportUnchangedObjects] [-ReportUnchangedAttributes] [-RestoreTo <String>] [-KeepBackupUnpacked] [-Id] <String[]> [-ProcessChildren] [-ChildObjectClass <String[]>] [-ChangeAuditorDbName <String>] [-ChangeAuditorDbCredential <PSCredential>] [-RestoreUsingChangeAuditor] [-Server <String>] [-Credential <PSCredential>] [-Partition <String>] [-Port <Int32>] [-IgnoreReadOnly] [-WhatIf] [-Confirm] [<CommonParameters>]
```

#### ADLds

```
Restore-RMADDeletedObject [-ProcessRecycledObjects] [-Backup <Guid>] [-BackupPassword <SecureString>] [-NoReport] [-SkipReplication] [-ReportUnchangedObjects] [-ReportUnchangedAttributes] [-RestoreTo <String>] [-AsJob] [-KeepBackupUnpacked] [-Id] <String[]> [-ProcessChildren] [-ChildObjectClass <String[]>] [-AdLds] [-AdLdsInstance <String>] [-ChangeAuditorDbName <String>] [-ChangeAuditorDbCredential <PSCredential>] [-RestoreUsingChangeAuditor] [-Server <String>] [-Credential <PSCredential>] [-Partition <String>] [-Port <Int32>] [-IgnoreReadOnly] [-WhatIf] [-Confirm] [<CommonParameters>]
```

#### Bkf

```
Restore-RMADDeletedObject [-ProcessRecycledObjects] -Backup <Guid> [-BackupPassword <SecureString>] [-NoReport] [-SkipReplication] [-ReportUnchangedObjects] [-ReportUnchangedAttributes] [-RestoreTo <String>] [-AsJob] [-KeepBackupUnpacked] [-Id] <String[]> [-ProcessChildren] [-ChildObjectClass <String[]>] [-ChangeAuditorDbName <String>] [-ChangeAuditorDbCredential <PSCredential>] [-RestoreUsingChangeAuditor] [-Server <String>] [-Credential <PSCredential>] [-Partition <String>] [-Port <Int32>] [-IgnoreReadOnly] [-WhatIf] [-Confirm] [<CommonParameters>]
```

## Firewall

```
Restore-RMADDeletedObject [-ProcessRecycledObjects] [-Backup <Guid>] [-BackupPassword <SecureString>] [-RestoreParent <RestoreParent>] [-Full] [-NoReport] [-SkipReplication] [-ReportUnchangedObjects] [-ReportUnchangedAttributes] [-RestoreTo <String>] [-AsJob] [-KeepBackupUnpacked] [-Id] <String[]> [-ProcessChildren] [-ChildObjectClass <String[]>] [-AdLds] [-ChangeAuditorDbName <String>] [-ChangeAuditorDbCredential <PSCredential>] [-ConfigureFirewall] [-RestoreUsingChangeAuditor] [-Server <String>] [-Credential <PSCredential>] [-Partition <String>] [-Port <Int32>] [-IgnoreReadOnly] [-WhatIf] [-Confirm] [<CommonParameters>]
```

## Agentless

```
Restore-RMADDeletedObject [-ProcessRecycledObjects] [-Backup <Guid>] [-BackupPassword <SecureString>] [-RestoreParent <RestoreParent>] [-Full] [-NoReport] [-SkipReplication] [-ReportUnchangedObjects] [-ReportUnchangedAttributes] [-RestoreTo <String>] [-AsJob] [-KeepBackupUnpacked] [-Id] <String[]> [-UseAgentlessMethod] [-ProcessChildren] [-ChildObjectClass <String[]>] [-AdLds] [-ChangeAuditorDbName <String>] [-ChangeAuditorDbCredential <PSCredential>] [-RestoreUsingChangeAuditor] [-Server <String>] [-Credential <PSCredential>] [-Partition <String>] [-Port <Int32>] [-IgnoreReadOnly] [-WhatIf] [-Confirm] [<CommonParameters>]
```

## DESCRIPTION

Restores deleted Active Directory objects whose applicable tombstone lifetime or deleted object lifetime has not expired. Depending on your settings and your environment, this cmdlet can restore deleted objects by using the following methods:

- Restore deleted objects from Microsoft's Active Directory Recycle Bin (provided that it is available in your environment).
- Restore deleted objects from a backup registered with Recovery Manager for Active Directory.
- Reanimate object's tombstones.

You can only use this cmdlet when Windows PowerShell is started using MTA. To start Windows PowerShell using MTA, run this command: `PowerShell -mta`

## EXAMPLES

### Example 1

```
PS C:\> Restore-RMADDeletedObject -Id d8742dcb-3e6a-4b3c-b3fe-374623cdcf06 -Backup 2b509d4e-40f5-4337-82f7-458584555d0c -ProcessRecycledObjects -Server dc1.mydomain.com
```

Retrieves the recycled object with the specified Id (GUID) from the domain controller dc1.mydomain.com, and then restores the object from the backup with the specified GUID. This command is only applicable to environments where Microsoft's Active Directory Recycle Bin is enabled. In this example, the Server parameter is mandatory.

## Example 2

```
PS C:\> Restore-RMADDeletedObject -Id d8742dcb-3e6a-4b3c-b3fe-374623cdcf06  
-Backup 2b509d4e-40f5-4337-82f7-458584555d0c -Server dc1.mydomain.com
```

Retrieves deleted object with the specified Id (GUID) from the domain controller dc1.mydomain.com, and then restores the object from the backup with the specified GUID. In this example, the Server parameter is mandatory.

## Example 3

```
PS C:\> Restore-RMADDeletedObject -Id d8742dcb-3e6a-4b3c-b3fe-374623cdcf06  
-Backup 2b509d4e-40f5-4337-82f7-458584555d0c -Server dc1.mydomain.com -  
WindowsServerBackup -AsJob
```

Retrieves deleted object with the specified Id (GUID) from the domain controller dc1.mydomain.com, and then restores the object from the backup with the specified GUID in the background job. In this example, the Server parameter is mandatory.

# PARAMETERS

## -AdLds

Specifies that the AD LDS instance is used as a data storage.

Type: SwitchParameter  
Parameter Sets: ADLds  
Aliases:

Required: True  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False  
Type: SwitchParameter  
Parameter Sets: Firewall, Agentless  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## -AdLdsInstance

If you restore the backed up AD LDS (ADAM) objects, you should specify the AD LDS instance whose backup you want to use.

Type: String  
Parameter Sets: ADLds  
Aliases: AdamInstance

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## -AsJob

Runs the command as a background job. You can use this parameter to run commands that take a significant time to complete.

Type: SwitchParameter  
Parameter Sets: ADLds, Bkf, Firewall, Agentless  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Backup**

Specifies the backup that contains the deleted object you want to restore. To specify a backup, type the backup GUID in this parameter or use the Get-RMADBackup cmdlet.

Type: Guid  
Parameter Sets: Default, ADLds, Firewall, Agentless  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False  
Type: Guid  
Parameter Sets: Bkf  
Aliases:

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-BackupPassword**

Specifies the password to access the password-protected backup that contains the deleted object you want to restore.

Type: SecureString  
Parameter Sets: ADLds, Bkf, Firewall, Agentless  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-ChangeAuditorDbCredential**

Specifies the credentials for connecting to the Change Auditor SQL database. If this parameter is omitted, the credentials of the current logged in user will be used.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False

Accept wildcard characters: False

### **-ChangeAuditorDbName**

Specifies a location of the Change Auditor SQL database. If this parameter is omitted, the 'ModifyBy' cell in AD reports will be empty.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-ChildObjectClass**

Allows you to reanimate only those child objects that belong to the classes you specify in this parameter.

Type: String[]  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-ConfigureFirewall**

Specifies whether Recovery Manager automatically configures Windows Firewall on domain controllers to allow compare and restore operations.

Type: SwitchParameter  
Parameter Sets: Firewall  
Aliases:

Required: True  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Credential**

The user name and password of the user account with which you want to connect, in the form of a PSCredential object. Use the Get-Credential cmdlet provided by Windows PowerShell to pass a PSCredential object to this parameter.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Full**

Specifies to restore the deleted objects with all their attributes. When this parameter is present, the cmdlet does one of the following:

- Restores the deleted objects from Microsoft's Active Directory Recycle Bin. This occurs only if the Recycle Bin is available and if you do not specify to restore the deleted objects from a backup.
- Restores the deleted object from the backup whose GUID you specify in the BackupGuid parameter. When this parameter is omitted, the cmdlet does one of the following:
- If Microsoft's Active Directory Recycle Bin is available, the cmdlet completely undeletes the deleted objects from the Recycle Bin.
- If Microsoft's Active Directory Recycle Bin is disabled or not supported, the cmdlet reanimates the objects' tombstones.

Type: SwitchParameter  
Parameter Sets: Default, Firewall, Agentless  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Id**

Specifies the deleted objects to restore. To specify an object, you can use object GUID, distinguished name (DN), sAMAccountName, or user principal name (UPN).

Type: String[]  
Parameter Sets: (All)  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-KeepBackupUnpacked**

Determines whether to save the unpacked backup after the search operation. If this parameter is not set, the unpacked backup will be deleted after the search operation is completed.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-NoReport**

Specifies to not create any report about the restore operation.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Partition**

Specifies the distinguished name of the Active Directory partition from which deleted objects are to be retrieved. If this parameter is omitted, the default naming context is used. This parameter is required if you specify an ADAM instance host in the DirectoryHost parameter.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Port**

Specifies the port number to be used for connection. If this parameter is set to 0 or not specified, the default LDAP port (389) is used.

Type: Int32  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-ProcessChildren**

Specifies to process children of the objects specified in the Id attribute.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False

Accept wildcard characters: False

### **-ProcessRecycledObjects**

Specifies to process recycled objects.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

### **-ReportUnchangedAttributes**

Includes information about the object attributes that have not changed since the time of the specified backup into the operation report.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

### **-ReportUnchangedObjects**

Includes information about the objects that have not changed since the time of the specified backup into the operation report.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

### **-RestoreParent**

Restores the deleted parents of the deleted objects being recovered.

This parameter can take one of the following values:

- Never - Specifies to not restore deleted parents.
- Always - Specifies to always restore deleted parents.
- Prompt - Prompts you for action.

Type: RestoreParent

Parameter Sets: Default, Firewall, Agentless

Aliases:

Accepted values: Never, Always, Prompt

Required: False

Position: Named

Default value: Prompt  
Accept pipeline input: False  
Accept wildcard characters: False

### **-RestoreTo**

Specifies a target container for the restore operation. To specify a target container, specify the container's distinguished name (DN) in this parameter. You can use this parameter to specify a target container if the parent container of the object you want to restore has been deleted.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-RestoreUsingChangeAuditor**

Specifies if Change Auditor is used to restore the latest changes to the object.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Server**

Specifies the domain controller or ADAM instance host from which deleted objects are to be retrieved. The domain controller can be specified by its computer name, IP address, or domain name. If you specify a domain name, deleted objects are retrieved from any available domain controller in the specified domain. The ADAM instance host can be specified by its computer name or IP address. If this parameter is omitted, deleted objects are retrieved from any available domain controller in the current domain.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-SkipReplication**

Specifies to skip replication during the restore operation.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False

Accept pipeline input: False  
Accept wildcard characters: False

### **-UseAgentlessMethod**

Specifies to use the agentless method to access the target domain controller. If this parameter is omitted, the target domain controller is accessed via Restore Agent.

Type: SwitchParameter  
Parameter Sets: Agentless  
Aliases:

Required: True  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Confirm**

Prompts for a confirmation before executing the command.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: cf

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-WhatIf**

Describes what would happen if you ran the command without actually running the command.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: wi

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

# Restore-RMADDomainController

## SYNOPSIS

Restores a domain controller from backup.

## SYNTAX

### Default (Default)

```
Restore-RMADDomainController -Backup <BackupInfo> [-BackupComponents  
<BackupComponents>]  
  [-BackupPassword <SecureString>] [-ComputerName <String>] [-Credential  
<PSCredential>]  
  -DsrmsCredential <PSCredential> [-ResetDsrmsPassword] [-ManualRestartToDsrms]  
  [-ManualRestartToNormal]  
  [-MarkSysvolPrimary] [-AsJob] [-WhatIf] [<CommonParameters>]
```

### AuthoritativeRestore

```
Restore-RMADDomainController -Backup <BackupInfo> [-BackupComponents  
<BackupComponents>]  
  [-BackupPassword <SecureString>] [-ComputerName <String>] [-Credential  
<PSCredential>]  
  -DsrmsCredential <PSCredential> [-ResetDsrmsPassword] [-ManualRestartToDsrms]  
  [-ManualRestartToNormal]  
  [-MarkSysvolPrimary] -AuthoritativeRestore <Boolean> [-  
  AuthoritativeRestoreSubtree <String>] [-AsJob]  
  [-WhatIf] [<CommonParameters>]
```

## DESCRIPTION

Restores a domain controller from backup. During the Restore operation, the domain controller would be rebooted to the Directory Service Restore mode.

## EXAMPLES

### Example 1

```
PS C:\> $backup = (Get-RMADBackup -ComputerName 'DC.Domain.local')[-1]
$dsrcmCredential = New-Object PSCredential(".\Administrator", (ConvertTo-
SecureString 'DsrcmPassword' -AsPlainText -Force))
$job = Restore-RMADDomainController -ComputerName "DC.Domain.local" -Backup
$backup -BackupComponents ActiveDirectory -DsrcmCredential $dsrcmCredential -
AsJob
$job | Format-List
```

This command restores a domain controller from backup.

## PARAMETERS

### -AsJob

Runs a command as a background job. You can use this parameter to run commands that take a significant amount of time to complete.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### -AuthoritativeRestore

Performs an authoritative restore.

Type: Boolean  
Parameter Sets: AuthoritativeRestore  
Aliases:

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### -AuthoritativeRestoreSubtree

Specifies a subtree that will be marked as authoritative. If this parameter is not specified, the whole Active Directory will be marked as authoritative.

Type: String  
Parameter Sets: AuthoritativeRestore  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Backup**

Specifies the backup that contains the data to be restored.

Type: BackupInfo

Parameter Sets: (All)

Aliases:

Required: True

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-BackupComponents**

Specifies the components of backup to be restored.

Type: BackupComponents

Parameter Sets: (All)

Aliases:

Accepted values: None, ActiveDirectory, Adam, BootFiles, CertificateServer, ClusterQuorum, EnterpriseServices, ForestRecoveryMetadata, GroupMembership, IisMetabase, PerformanceCounters, Registry, CryptoKeys, LdapsCerts, All

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-BackupPassword**

Specifies the password to access a password-protected backup. This is the same password that is set in the properties of the computer collection in the Recovery Manager for Active Directory console.

Type: SecureString

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-ComputerName**

Specifies DNS name or IP address of the domain controller to be restored.

Type: String

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-Credential**

Specifies credentials to access the domain controller and then deploy and connect to the Restore Agent in the Normal mode.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-DsrnCred**

Specifies credentials for the Directory Service Restore Mode. If ResetDSRMPassword is specified, the password will be reset.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-ManualRestartToDsrn**

Specifies whether a domain controller will be rebooted to DSRM manually.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-ManualRestartToNormal**

Specifies whether a domain controller will be rebooted to the Normal mode manually after the Restore operation is completed.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-MarkSysvolPrimary**

Specifies to mark SYSVOL as primary.

Type: SwitchParameter

Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-ResetDsrpPassword**

Specifies whether the DSRM password will be reset to the password from the DSRMCredential parameter.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Whatif**

Tests the connection to the restore agent

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

## **OUTPUTS**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

schema: 2.0.0

## Restore-RMADObject

### SYNOPSIS

Restores Active Directory objects from a backup.

This cmdlet requires Windows PowerShell to be started using a multi-threaded apartment (MTA).

### SYNTAX

#### Default (Default)

```
Restore-RMADObject [-Attribute <String[]>] [-NoReport] [-SkipReplication]
[-KeepBackupUnpacked]
[-Id] <String[]> -Backup <Guid> [-BackupPassword <SecureString>] [-
ProcessChildren]
[-ChildObjectClass <String[]>] [-ReportUnchangedAttributes] [-
ReportUnchangedObjects]
[-ChangeAuditorDbName <String>] [-ChangeAuditorDbCredential
<PSCredential>] [-RestoreUsingChangeAuditor]
[-Server <String>] [-Credential <PSCredential>] [-Partition <String>] [-
Port <Int32>] [-IgnoreReadOnly]
[<CommonParameters>]
```

#### Bkf

```
Restore-RMADObject [-Attribute <String[]>] [-NoReport] [-SkipReplication]
[-KeepBackupUnpacked]
[-Id] <String[]> -Backup <Guid> [-BackupPassword <SecureString>] [-
ProcessChildren]
[-ChildObjectClass <String[]>] [-ReportUnchangedAttributes] [-
ReportUnchangedObjects]
[-ChangeAuditorDbName <String>] [-ChangeAuditorDbCredential
<PSCredential>] [-RestoreUsingChangeAuditor]
[-Server <String>] [-Credential <PSCredential>] [-Partition <String>] [-
Port <Int32>] [-IgnoreReadOnly]
[<CommonParameters>]
```

#### ADLds

```
Restore-RMADObject [-Attribute <String[]>] [-NoReport] [-SkipReplication]
[-KeepBackupUnpacked]
[-Id] <String[]> -Backup <Guid> [-BackupPassword <SecureString>] [-
ProcessChildren]
[-ChildObjectClass <String[]>] [-ReportUnchangedAttributes] [-
ReportUnchangedObjects] [-AdLds]
-AdLdsInstance <String> [-ChangeAuditorDbName <String>] [-
ChangeAuditorDbCredential <PSCredential>]
[-RestoreUsingChangeAuditor] [-Server <String>] [-Credential
<PSCredential>] [-Partition <String>]
[-Port <Int32>] [-IgnoreReadOnly] [<CommonParameters>]
```

## Firewall

```
Restore-RMADObject [-Attribute <String[]>] [-NoReport] [-SkipReplication]
[-KeepBackupUnpacked]
[-Id] <String[]> -Backup <Guid> [-BackupPassword <SecureString>] [-
ProcessChildren]
[-ChildObjectClass <String[]>] [-ReportUnchangedAttributes] [-
ReportUnchangedObjects] [-AdLds]
[-ChangeAuditorDbName <String>] [-ChangeAuditorDbCredential
<PSCredential>] [-ConfigureFirewall]
[-RestoreUsingChangeAuditor] [-Server <String>] [-Credential
<PSCredential>] [-Partition <String>]
[-Port <Int32>] [-IgnoreReadOnly] [<CommonParameters>]
```

## Agentless

```
Restore-RMADObject [-Attribute <String[]>] [-NoReport] [-SkipReplication]
[-KeepBackupUnpacked]
[-Id] <String[]> -Backup <Guid> [-BackupPassword <SecureString>] [-
UseAgentlessMethod] [-ProcessChildren]
[-ChildObjectClass <String[]>] [-ReportUnchangedAttributes] [-
ReportUnchangedObjects] [-AdLds]
[-ChangeAuditorDbName <String>] [-ChangeAuditorDbCredential
<PSCredential>] [-RestoreUsingChangeAuditor]
[-Server <String>] [-Credential <PSCredential>] [-Partition <String>] [-
Port <Int32>] [-IgnoreReadOnly]
[<CommonParameters>]
```

## DESCRIPTION

Restores the Active Directory objects that have specified parameters from a backup. You can only use this cmdlet when Windows PowerShell is started using MTA. To start Windows PowerShell using MTA, run this command: PowerShell -mta

## EXAMPLES

### Example 1

```
PS C:\> $backups = Get-RMADBackup | Sort-Object -Property date -Descending
```

```
C:\PS>$object = Get-RMADObject -Id "user1"
```

```
C:\PS>Restore-RMADObject -Id $object.ObjectInfo.Guid -Backup $backups[0] -
UseAgentlessMethod -NoReport
```

In the first line of this example, the Get-RMADBackup cmdlet gets all registered backups and sorts them by date in the descending order. Then, the backup objects are stored in the \$backups variable.

### Example 2

```
PS C:\> $b = Get-RMADBackup -Id 1
```

```
C:\PS>Restore-RMADObject -Id "user1" -Backup $b -Attribute
samAccountName,description -ReportUnchangedAttributes
```

```
Start-RMADReportViewer
```

In the first line of this example, the Get-RMADBackup cmdlet gets the registered backup whose ID is 1. Then, the backup object is stored in the \$b variable.

# PARAMETERS

## **-AdLds**

Specifies that the AD LDS instance is used as a data storage.

Type: SwitchParameter  
Parameter Sets: ADLds  
Aliases:

Required: True  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False  
Type: SwitchParameter  
Parameter Sets: Firewall, Agentless  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-AdLdsInstance**

If you restore the backed up AD LDS (ADAM) objects, you should specify the AD LDS instance whose backup you want to use.

Type: String  
Parameter Sets: ADLds  
Aliases: AdamInstance

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Attribute**

Specifies the display names of the attributes to restore.  
When specifying multiple display names, use a comma as a separator.

Type: String[]  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Backup**

Specifies the backup that contains the AD objects to be restored.

Type: Guid  
Parameter Sets: (All)  
Aliases:

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-BackupPassword**

Specifies the password to access a password-protected backup. This is the same password that is set in the computer collection properties in the Recovery Manager console.

Type: SecureString  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-ChangeAuditorDbCredential**

Specifies the credentials for connecting to the Change Auditor SQL database. If this parameter is omitted, the credentials of the current logged in user will be used.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-ChangeAuditorDbName**

Specifies the location of the Change Auditor SQL database. If this parameter is omitted, the 'ModifyBy' cell in AD reports will be empty.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-ChildObjectClass**

Allows you to restore only those child objects that belong to the classes you specify in this parameter.

Type: String[]  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None

Accept pipeline input: False  
Accept wildcard characters: False

## **-ConfigureFirewall**

Specifies whether Recovery Manager automatically configures Windows Firewall on domain controllers to allow compare and restore operations.

Type: SwitchParameter  
Parameter Sets: Firewall  
Aliases:

Required: True  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Credential**

The user name and password of the user account with which you want to connect, in the form of a `PSCredential` object. Use the `Get-Credential` cmdlet provided by Windows PowerShell to pass a `PSCredential` object to this parameter. If this parameter is omitted, the credentials of current user account are used.

Type: `PSCredential`  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Id**

Specifies the objects to restore. To specify an object, you can use object GUID, distinguished name (DN), `sAMAccountName`, or user principal name (UPN).

Type: `String[]`  
Parameter Sets: (All)  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-KeepBackupUnpacked**

Determines whether to save the unpacked backup after the search operation. If this parameter is not set, the unpacked backup will be deleted after the search operation is completed.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

## **-NoReport**

When present, specifies to not create any report about the restore operation.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

## **-Partition**

Specifies the AD LDS (ADAM) partition where you want to restore objects.

Type: String

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-Port**

Specifies the port on which to access the AD LDS (ADAM) instance where you want to restore objects.

Type: Int32

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-ProcessChildren**

When present, specifies to process children of the objects specified in the Id attribute.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-ReportUnchangedAttributes**

Includes the object attributes that have not changed since the time of the specified backup into the operation report.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-ReportUnchangedObjects**

Includes the objects that have not changed since the time of the specified backup into the operation report.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-RestoreUsingChangeAuditor**

Specifies if Change Auditor is used to restore the latest changes to the object.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Server**

Specifies the domain controller or ADAM instance host on which objects are to be restored. The domain controller can be specified by its computer name, IP address, or domain name. If you specify a domain name, deleted objects are restored to any available domain controller in the specified domain. The ADAM instance host can be specified by its computer name or IP address. If this parameter is omitted, objects are restored to any available domain controller in the current domain.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: False

Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-SkipReplication**

When present, specifies to skip replication during the restore operation.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-UseAgentlessMethod**

Specifies to use the agentless method to access the target domain controller. If this parameter is omitted, the target domain controller is accessed via Restore Agent.

Type: SwitchParameter  
Parameter Sets: Agentless  
Aliases:

Required: True  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

## **OUTPUTS**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

schema: 2.0.0

## Set-RMADCollection

### SYNOPSIS

Sets properties for a computer collection.

### SYNTAX

#### Name (Default)

```
Set-RMADCollection [-Name] <String[]> [-BackupComponents  
<BackupComponents>] [-Properties <Hashtable>]  
  [-Schedule <Schedule[]>] [-ScheduleCredential <PSCredential>] [-  
AgentCredentialEnabled <Boolean>]  
  [-AgentCredential <PSCredential>] [-StorageCredentialEnabled <Boolean>] [-  
StorageCredential <PSCredential>]  
  [-SecondaryStorageCredential <PSCredential>] [-RetentionPolicyEnabled  
<Boolean>]  
  [-RetentionPolicyCount <Int32>] [-PassThru] [-IgnoreReadOnly] [-WhatIf] [-  
Confirm] [<CommonParameters>]
```

#### InputObject

```
Set-RMADCollection [-InputObject] <ComputerCollection[]> [-BackupComponents  
<BackupComponents>]  
  [-Properties <Hashtable>] [-Schedule <Schedule[]>] [-ScheduleCredential  
<PSCredential>]  
  [-AgentCredentialEnabled <Boolean>] [-AgentCredential <PSCredential>] [-  
StorageCredentialEnabled <Boolean>]  
  [-StorageCredential <PSCredential>] [-SecondaryStorageCredential  
<PSCredential>]  
  [-RetentionPolicyEnabled <Boolean>] [-RetentionPolicyCount <Int32>] [-  
PassThru] [-IgnoreReadOnly] [-WhatIf]  
  [-Confirm] [<CommonParameters>]
```

#### Id

```
Set-RMADCollection [-Id] <Int32[]> [-BackupComponents <BackupComponents>]  
  [-Properties <Hashtable>]  
  [-Schedule <Schedule[]>] [-ScheduleCredential <PSCredential>] [-  
AgentCredentialEnabled <Boolean>]  
  [-AgentCredential <PSCredential>] [-StorageCredentialEnabled <Boolean>] [-  
StorageCredential <PSCredential>]  
  [-SecondaryStorageCredential <PSCredential>] [-RetentionPolicyEnabled  
<Boolean>]  
  [-RetentionPolicyCount <Int32>] [-PassThru] [-IgnoreReadOnly] [-WhatIf] [-  
Confirm] [<CommonParameters>]
```

### DESCRIPTION

Sets properties for the Recovery Manager computer collection you specify.

## EXAMPLES

### Example 1

```
PS C:\> Set-RMADCollection -Name Collection1 -BackupComponents
ActiveDirectory,Registry,GroupMembership,ForestRecoveryMetadata
```

This command sets properties for the computer collection named Collection1.

### Example 2

```
PS C:\> Set-RMADCollection * -RetentionPolicyEnabled $false
```

This command disables all backup retention policies for all existing computer collections.

### Example 3

```
PS C:\> $c = Get-RMADCollection | Where-Object { $_.AgentCredentialEnabled
-eq $true }
```

```
C:\PS>$cred = Get-Credential
```

```
C:\PS>Set-RMADCollection -InputObject $c -AgentCredential $cred
```

The first command in this example gets objects representing the computer collections whose properties are set to access Backup Agent and backup files with a specific user account. Then the command saves the computer collection objects in the \$c variable.

### Example 4

```
PS C:\> $a = Get-RMADCollection -Name "Collection1"
```

```
C:\PS>Set-RMADCollection -InputObject $a[1] -Properties
@{BackupComponents="ActiveDirectory","BootFiles";
UsePreinstalledAgent=$true}
```

In the first line of this example, the Get-RMADCollection cmdlet gets the Computer Collection whose name is Collection1 and saves it to the \$a variable. In the second line of this example, the Set-RMADCollection cmdlet sets the components to be backed up (that is, Active Directory and boot files) and specifies to use preinstalled Backup Agent for backup operations. For a complete list of items you can include in the braces, see the description of the Properties parameter.

### Example 5

```
PS C:\> $schedule=(New-RMADSchedule -Daily -StartDate "9/20/2022 10:00" -
DaysInterval 1), (New-RMADSchedule -Daily -StartDate "9/20/2022 22:00" -
DaysInterval 1)
```

```
C:\PS>Set-RMADCollection -InputObject $col -Properties
@{EnableEmailLog=$true; EmailLogTo="administrator@mydomain.com";
EmailLogLevel="Everything"}
```

This example illustrates how to back up a Computer Collection by using two backup schedules. The first line of this example creates two backup creation schedules and stores them in the \$schedule variable. One schedule invokes the backup operation once in every two days at 10 a.m. Another schedule invokes the backup operation once in every two days at 10 p.m. The two backup schedules become effective starting from the 20th September 2022. The second line of this example enables e-mail notifications for the Computer Collection. The recipient address for e-mail notifications is administrator@mydomain.com. The e-mail notifications provide information about all backup events.

### Example 6

```
PS C:\> $cred = Get-Credential
```

```
C:\PS>Set-RMADCollection -Name MyCollection -Properties
@{AgentSideScriptBeforeBackupEnabled = $true; AgentSideScriptBeforeBackup =
'Set-Disk -Number 5 -IsOffline $false'; AgentSideScriptAfterBackupEnabled =
$true; AgentSideScriptAfterBackup = 'Set-Disk -Number 5 -IsOffline $true';
AgentSideScriptCredential = $cred}
```

This example illustrates how to customize your environment by running PowerShell scripts on the domain controller before and after creating a backup.

## PARAMETERS

### **-AgentCredential**

Specifies the credentials for the account you want to use to access Backup Agent installed on the DCs in the computer collection and locations where backup files for the computer collection will be saved. TO enable using the account whose credentials you supply in this parameter, use the AgentCredentialEnabled parameter.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-AgentCredentialEnabled**

Specifies to use a particular account to access Backup Agent installed on the DCs in the computer collection and locations where backup files for the computer collection will be saved. To specify the credentials for the account, use the AgentCredential parameter.

Type: Boolean  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-BackupComponents**

Use this parameter to specify the names of the System State components you want to back up.

Type: BackupComponents  
Parameter Sets: (All)  
Aliases:

Accepted values: None, ActiveDirectory, Adam, BootFiles, CertificateServer, ClusterQuorum, EnterpriseServices, ForestRecoveryMetadata, GroupMembership, IisMetabase, PerformanceCounters, Registry, CryptoKeys, LdapsCerts, All

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Id**

Specifies the identifier of the computer collection whose properties you want to set.

Type: Int32[]  
Parameter Sets: Id  
Aliases:  
  
Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByPropertyName, ByValue)  
Accept wildcard characters: False

## **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:  
  
Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-InputObject**

Renames the computer collection represented by the specified collection objects. Specify the name of the variable that contains the objects or type a command or expression that gets the objects.

Type: ComputerCollection[]  
Parameter Sets: InputObject  
Aliases:  
  
Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

## **-Name**

Specifies the name of the computer collection whose properties you want to set.

Type: String[]  
Parameter Sets: Name  
Aliases:  
  
Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByPropertyName, ByValue)  
Accept wildcard characters: False

## **-PassThru**

Passes the computer collection whose properties you have set along the pipeline. If this parameter is omitted, the computer collection is not passed along the pipeline.

Type: SwitchParameter  
Parameter Sets: (All)

Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## -Properties

Allows you to modify the Computer Collection properties.

To specify the properties you want to modify, use an associative array or hash table. For more information, see the Windows PowerShell help topic on associative arrays (hash tables). To open the topic, at the PowerShell command prompt enter the following: `help about_associative_array` Below are the properties you can modify by using this parameter. The properties are grouped by the names of tabs in the "Computer Collection Properties" dialog box, because each property corresponds to an option on these tabs. To assign a new value to a property, use the following format: `PropertyName=Value`

- `UseAlternateStoragePath` - Specifies whether to store a copy of each backup in an alternate location. Can take one of these values: `$true`, `$false`.
- `AlternateStoragePath` - Specifies a storage path format for the alternate location. Surround the path with double quotes.
- `AgentCredentialEnabled` - Causes the Recovery Manager console to use a specified user account to access the Backup Agent and backup files on target computers. Can take one of these values: `$true`, `$false`.
- `AgentCredential` - Specifies the account under which the Recovery Manager console accesses the Backup Agent and backup files, in the form of a `PSCredential` object. Use the `Get-Credential` cmdlet provided by Windows PowerShell to pass a `PSCredential` object to this parameter.
- `ConfigureFirewall` - Specifies whether Recovery Manager automatically configures Windows Firewall on domain controllers to allow backup operations. Can take one of these values: `$true`, `$false`.
- `UsePreinstalledAgent` - Specifies whether Recovery Manager automatically preinstalls the Backup Agent. Can take one of these values: `$true`, `$false`.
- `DeployForestRecoveryAgent` - Specifies whether Recovery Manager verifies that the Forest Recovery Agent is installed on each domain controller in the Computer Collection. Can take one of these values: `$true`, `$false`.
- `BackupDescription` - Specifies a description for the backups to be created for the Computer Collection. The description may include expressions, such as `%COMPUTERNAME%` and `%DATETIME%`.
- `BackupPasswordEnabled` - Specifies whether to protect the backups with a password. Can take one of these values: `$true`, `$false`.
- `BackupPassword` - Specifies a password to protect the backups. The value must be a `SecureString` object.
- `ConsoleSideBackupEnabled` - Specifies to store backups on the Recovery Manager computer or on a Universal Naming Convention (UNC) share. Can take one of these values: `$true`, `$false`.
- `ConsoleSideBackupPath` - Specifies a storage path format for backup files. The path format can include expressions, such as `%COMPUTERNAME%` and `%DATETIME%`. Surround the path format with double quotes.
- `ConsoleSideRetentionPolicyEnabled` - Specifies whether to apply a retention policy to backups stored at the path provided in the `ConsoleSideBackupPath` parameter. Can take one of these values: `$true`, `$false`.
- `ConsoleSideRetentioPolicyCount` - Specifies the number of the most recent backups to retain. Other backups are automatically deleted.
- `RegisterConsoleSideAdditionalBackupPathCopies` - Specifies whether to register backup copies stored at the alternate location provided in the `AlternateStoragePath` parameter. Can take one of these values: `$true`, `$false`.
- `ConsoleSideRetentionPolicyForAdditionalBackupsEnabled` - Specifies whether to apply a retention policy to backups stored at the path provided in the `AlternateStoragePath` parameter. Can take one of these values: `$true`, `$false`.
- `ConsoleSideRetentionPolicyForAdditionalBackupsCount` - Specifies the number of the most recent backups to retain at the alternate location specified by the `AlternateStoragePath` parameter. Other backups are automatically deleted.

- AgentSideBackupEnabled - Specifies to store backups on the backed-up DC or on a Universal Naming Convention (UNC) share. Can take one of these values: \$true, \$false.
- AgentSideBackupPath - Specifies a storage path format for agent-side backup files. The path format can include expressions, such as %COMPUTERNAME% and %DATETIME%. To specify an alternate backup location, separate the primary and alternate paths with the pipe (|) character. Surround the path(s) format with double quotes.
- AgentSideRetentionPolicyEnabled - Specifies whether to apply a retention policy to backups stored at the primary path provided in the AgentSideBackupPath parameter. Can take one of these values: \$true, \$false.
- AgentSideRetentionPolicyCount - Specifies the number of the most recent backups to retain at the primary agent-side location. Other backups are automatically deleted.
- AgentSideRetentionPolicyForAdditionalBackupsEnabled - Specifies whether to apply a retention policy to backups stored at the alternate path provided in the AgentSideBackupPath parameter. Can take one of these values: \$true, \$false.
- AgentSideRetentionPolicyForAdditionalBackupsCount - Specifies the number of the most recent backups to retain at the alternate agent-side location. Other backups are automatically deleted.
- StorageCredentialEnabled - Causes the Recovery Manager console to use a specified user account to access backup files on target computers. Can take one of these values: \$true, \$false.
- StorageCredential - Specifies the account under which the Recovery Manager Backup Agent accesses the backup files, in the form of a PSCredential object. Use the Get-Credential cmdlet provided by Windows PowerShell to pass a PSCredential object to this parameter.
- EnableEmailLog - Specifies whether to send information about backup creation sessions by e-mail. Can take one of these values: \$true, \$false.
- EnableEmailLogOnlyOnErrors - Specifies to send information over e-mail only when an error occurs. Can take one of these values: \$true, \$false.
- EmailLogLevel - Specifies the type of information to send over e-mail. Possible values: "Everything", "ErrorsOnly".
- EmailLogTo - Specifies the recipient's e-mail address to send the information about backup creation sessions.
- EnableApplicationLog - Specifies whether to write information about backup creation sessions to the Windows application log on the Recovery Manager computer. Can take one of these values: \$true, \$false.
- EnableApplicationLogOnlyOnErrors - Specifies whether to create an Application log event only upon backup creation session errors or warnings. Can take one of these values: \$true, \$false.
- ApplicationLogLevel - Specifies the type of information to write to the Application log. Possible values: "Everything", "ErrorsOnly".
- EnableLogFile - Specifies whether to write information about backup creation sessions to the additional text file you specify. Can take one of these values: \$true, \$false.
- EnableLogFileOnlyOnErrors - Specifies whether to write information to the additional text file only upon backup creation session errors or warnings. Can take one of these values: \$true, \$false.
- LogFileLevel - Specifies the type of information to write to the additional text file. Possible values: "Everything", "ErrorsOnly".
- LogFileName - Specifies a path and name for the additional text file.
- LogFileAppend - Specifies whether to append information to the additional text file. Can take one of these values: "True", "False".
- ExtendedLogging - Specifies the logging settings for DCs in the collection. Can take one of these values: Use global (default) - use settings from the root node: Recovery Manager for Active Directory->Settings...>Logging, Yes - for all DCs in the current collection: for logs will be used the "Trace" option, No - for all DCs in the current collection: in logs will be only Warnings and Error messages.
- CompressionMethod - Specifies a method to compress the backups to be created. Can take one of these values: "None", "Fast", "Normal", "Maximum".
- ParallelBackups - Specifies the maximum number of computers serviced in parallel when creating backups. Increasing this number can speed the backup creation, however, this may result in network saturation and slow network response.
- EnableTransferRateLimit - Specifies whether to limit the total bandwidth used by the Backup Agent when transferring data over the network. Use this property to prevent the Backup Agent from generating excessive network traffic. Can take one of these values: \$true, \$false.
- TransferRateLimit - Specifies the bandwidth limit in Mbits/sec for the Backup Agent.
- EnableCpuUsageLimit - Specifies whether to limit the CPU processing time used by the Backup Agent on each computer. Can take one of these values: \$true, \$false.

- CpuUsageLimit88 - Specifies the CPU processing limit in percent.
- ScheduleEnabled - Specifies whether to enable backup creation schedule. Can take one of these values: \$true, \$false.
- Schedule - Sets up a backup creation schedule. To set up a schedule, use the New-RMADSchedule cmdlet.
- ScheduleCredential - Specify the user account under which the Task Scheduler performs backup creation tasks, in the form of a PSCredential object. Use the Get-Credential cmdlet provided by Windows PowerShell to pass a PSCredential object to this parameter.
- BackupComponents - Specifies the system state components to back up. Possible values: "All", "None", "ActiveDirectory", "Adam", "BootFiles", "CertificateServer", "ClusterQuorum", "EnterpriseServices", "ForestRecoveryMetadata", "GroupMembership", "IisMetabase", "PerformanceCounters", "Registry". When specifying multiple values, use a comma as a separator.
- CollectGroupMembership - Specifies whether to back up group membership data stored on Global Catalog servers. Can take one of these values: \$true, \$false.
- CollectForestRecoveryMetadata - Specifies whether to create backups that can be used to recover the Active Directory forest. Can take one of these values: \$true, \$false.
- OverrideDefaultBackupUnpackSettings - Specifies whether to override the global settings for unpacking backups for the Computer Collection. Can take one of these values: \$true, \$false.
- UnpackBackupsUponCreation - Specifies whether to unpack each backup upon its creation. Can take one of these values: \$true, \$false.
- UnpackedBackupsToKeep - Specifies the number of the most recent unpacked backups to retain. Other unpacked backups are automatically deleted.
- IsUnpackOnlySelected - Specifies whether to keep unpacked backups only for a list of selected domain controllers. Can take one of these values: \$true, \$false.
- SelectedDCsToUnpack - Specifies the names (separated by comma) of domain controllers you want to keep unpacked backups for.

Type: Hashtable  
 Parameter Sets: (All)  
 Aliases:

Required: False  
 Position: Named  
 Default value: None  
 Accept pipeline input: False  
 Accept wildcard characters: False

## **-RetentionPolicyCount**

Specifies the number of latest backups you want to keep for each DC in the computer collection. To enable the deletion of obsolete backups, use the RetentionPolicyEnabled parameter.

Type: Int32  
 Parameter Sets: (All)  
 Aliases:

Required: False  
 Position: Named  
 Default value: None  
 Accept pipeline input: False  
 Accept wildcard characters: False

## **-RetentionPolicyEnabled**

Specifies to delete obsolete backups for particular computer collection. To set the number of latest backups you want to keep for each DC in the computer collection, use the RetentionPolicyCount parameter.

Type: Boolean  
 Parameter Sets: (All)  
 Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Schedule**

Causes the computer collection you specify to use the backup creation schedule you set by using the New-  
RMADSchedule cmdlet.

Type: Schedule[]  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-ScheduleCredential**

Specifies the user account under which the scheduled backup creation task will be run. This account must have  
sufficient permissions to back up the computer collection you specify.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-SecondaryStorageCredential**

Specifies the credentials for the account you want to use to Tier 1 remote storage to copy backups to the  
secondary storage like Secure Storage Server or Cloud Storage.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-StorageCredential**

Specifies the credentials for the account you want to use to access locations where backup files for the computer  
collection will be saved. To enable using the account whose credentials you supply in this parameter, use the  
StorageCredentialEnabled parameter.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named

Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-StorageCredentialEnabled**

Specifies to use a particular account to access locations where backup files for the computer collection will be saved. To specify the credentials for the account, use the StorageCredential parameter.

Type: Boolean  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Confirm**

Prompts for a confirmation before executing the command.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: cf

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Whatif**

Describes what would happen if you ran the command without actually running the command.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: wi

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

schema: 2.0.0

# Set-RMADGlobalOptions

## SYNOPSIS

Sets global application settings

## SYNTAX

```
Set-RMADGlobalOptions [-ExchangeOAuth2 <Boolean>] [-EmailServer <String>]
[-EmailSender <String>]
[-ExtendedLogging <Boolean>] [-Properties <Hashtable>] [-IgnoreReadOnly]
[-WhatIf] [-Confirm]
[<CommonParameters>]
```

## DESCRIPTION

Sets Recovery Manager global application settings

## EXAMPLES

### Example 1

```
PS C:\> Set-RMADGlobalOptions -ExchangeOAuth2 $False
Set-RMADGlobalOptions -EmailServer "WS.DomainName.local"
Set-RMADGlobalOptions -EmailSender "from@WS.DomainName.local"
Set-RMADGlobalOptions -ExtendedLogging $True
```

This command sets global email settings to use SMTP Authentication in Recovery Manager for Active Directory.

### Example 2

```
PS C:\> $mailOptions = @{
    "Email.ExchangeOAuth2" = $True;
    "Email.ApplicationId" = '111-111-111';
```

```

    "Email.TenantId"           = '123-456-789';
    "Email.Thumbprint"        = 'abcdefg';
    "Email.Sender"            = 'from@WS.DomainName.local'
}
Set-RMADGlobalOptions -Properties $mailOptions

```

This command sets global email settings to use Exchange OAuth2 in Recovery Manager for Active Directory using the 'Properties' option.

### Example 3

```

PS C:\> $mailOptions = @{
    "Email.ExchangeOAuth2"      = $False;
    "Email.Server"              = 'WS.DomainName.local';
    "Email.UseSSL"              = $True;
    "Email.AllowInsecureConnection" = $True;
    "Email.Sender"              = 'from@WS.DomainName.local';
    "Email.AuthRequired"        = $True;
    "Email.UserName"            = 'SmtAccount';
    "Email.Password"            = 'Password'
}
Set-RMADGlobalOptions -Properties $mailOptions

```

This command sets global email settings to use SMTP Authentication in Recovery Manager for Active Directory using the 'Properties' option.

### Example 4

```

PS C:\> Set-RMADGlobalOptions -Properties @{"UseRestoreAgentPort" = $True;
"DefaultRestoreMethod" = 0; "AgentPort" = 3845 }

```

This command sets Recovery Manager global settings for agent.

### Example 5

```

PS C:\> $mailOptions = @{
    "Email.ExchangeOAuth2"      = $True;
    "Email.ApplicationId"       = '111-111-111';
    "Email.TenantId"           = '123-456-789';
    "Email.Thumbprint"         = 'abcdefg';
    "Email.Sender"              = 'from@WS.DomainName.local';
    "Email.GccHighAccount"      = $True
}
Set-RMADGlobalOptions -Properties $mailOptions

```

This command sets global email settings to use Exchange OAuth2 for U.S. Gcc High Account in Recovery Manager for Active Directory using the 'Properties' option.

## PARAMETERS

### -EmailSender

Specifies the sender field of email notifications

Type: String

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-EmailServer**

Specifies the SMTP server for email notifications

Type: String

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-ExchangeOAuth2**

Specifies Exchange OAuth2 mode for email notifications

Type: Boolean

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-ExtendedLogging**

Specifies diagnostic logs

Type: Boolean

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

## **-Properties**

Allows you to modify the application settings.

To specify the properties you want to modify, use an associative array or hash table.

For more information, see the Windows PowerShell help topic on associative arrays (hash tables).

To open the topic, at the PowerShell command prompt enter the following: `help about_associative_array` Below are the properties you can modify by using this parameter.

The properties are grouped by the names of tabs in the "Computer Collection Properties" dialog box, because each property corresponds to an option on these tabs. To assign a new value to a property, use the following format: `PropertyName=Value E-MAIL TAB`

- `Email.ExchangeOAuth2`. Specifies the Exchange OAuth2 mode for email notifications
- `Email.Server`. Specifies the SMTP server for email notifications
- `Email.Port`. Specifies the SMTP port for email notifications
- `Email.Sender`. Specifies the sender of email notifications
- `Email.ApplicationId`. Specifies the application (client) ID for Exchange OAuth2 email notifications
- `Email.TenantId`. Specifies the directory (tenant) ID for Exchange OAuth2 email notifications
- `Email.GccHighAccount`. Specifies the U.S. Gcc High account option for Exchange OAuth2 email notifications
- `Email.Thumbprint`. Specifies the thumbprint for Exchange OAuth2 email notifications LOGGING TAB
- `ExtendedLogging`. Specifies option "Use diagnostic logging"
- `LogsFolder`. Specify the directory for application logs.

Type: Hashtable

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

## **-Confirm**

Prompts for a confirmation before executing the command.

Type: SwitchParameter

Parameter Sets: (All)

Aliases: cf

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

## **-Whatif**

Describes what would happen if you ran the command without actually running the command.

Type: SwitchParameter

Parameter Sets: (All)

Aliases: wi

Required: False

Position: Named

Default value: False

Accept pipeline input: False

Accept wildcard characters: False

## CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Set-RMADHybridRecoveryDomainOptions

## SYNOPSIS

Sets the domain systems associated with the Hybrid Connector.

## SYNTAX

```
Set-RMADHybridRecoveryDomainOptions -Domain <String> -DomainController  
<String> -Credentials <PSCredential>  
[-IgnoreReadOnly] [-WhatIf] [-Confirm] [<CommonParameters>]
```

## DESCRIPTION

Sets the domain and associated systems used for the Hybrid Connector.

## EXAMPLES

### Example 1

```
PS C:\>$password = ConvertTo-SecureString 'mypassword' -AsPlainText -Force  
PS C:\>$credentials = New-Object System.Management.Automation.PSCredential  
( 'rmad-admin', $password )  
PS C:\>Set-RMADHybridRecoveryDomainOptions -Domain rmad.local -  
DomainController DC1.rmad.local -Credentials $credentials
```

**Returns:** Nothing on success; otherwise an error

# PARAMETERS

## **-Credentials**

Credentials used for connecting to the system that is running the Azure Active Directory Connector.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Domain**

Domain which the Hybrid Connector will be using.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-DomainController**

The domain Controller that the Azure Active Directory Connector is installed on.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Confirm**

Prompts you for confirmation before running the cmdlet.

Type: SwitchParameter

Parameter Sets: (All)  
Aliases: cf

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Whatif**

Shows what would happen if the cmdlet runs.  
The cmdlet is not run.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: wi

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

**None**

## **OUTPUTS**

**System.Object**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

schema: 2.0.0

## Set-RMADHybridRecoveryOptions

### SYNOPSIS

Sets the domain systems associated with the Hybrid Connector.

### SYNTAX

#### Relay (Default)

```
Set-RMADHybridRecoveryOptions [-Enabled <Boolean>] [-RelayUrl <String>] [-RelayKeyName <String>] [-RelayKey <SecureString>] [-UsePackedBackups <Boolean>] [-SkipReplication <Boolean>] [-IgnoreReadOnly] [-WhatIf] [-Confirm] [<CommonParameters>]
```

#### AADConnect

```
Set-RMADHybridRecoveryOptions [-Enabled <Boolean>] -AADConnectHost <String> -AADConnectCredentials <PSCredential> [-UsePackedBackups <Boolean>] [-SkipReplication <Boolean>] [-IgnoreReadOnly] [-WhatIf] [-Confirm] [<CommonParameters>]
```

### DESCRIPTION

Sets the domain and associated systems used in the Hybrid Connector.

### EXAMPLES

#### Example 1

```
PS C:\>$key = ConvertTo-SecureString  
'YDrMzfQWP8EliwRj41BtvNIZ4pH7i4pRW24klu8ZRcU=' -AsPlainText -Force  
PS C:\>Set-RMADHybridRecoveryOptions -Enabled $true -RelayUrl  
'https://relayurl' -RelayKeyName 'listenKey' -RelayKey $key -  
UsePackedBackups $true -SkipReplication $true
```

**Returns:** Nothing on success; otherwise an error

### PARAMETERS

#### -AADConnectCredentials

Credentials to connect to the Azure Active Directory Connector.

Type: PSCredential  
Parameter Sets: AADConnect  
Aliases:

Required: True  
Position: Named

Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-AADConnectHost**

The host where the Azure Active Directory Connector is installed.

Type: String  
Parameter Sets: AADConnect  
Aliases:

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Enabled**

Setting to confirm if the Hybrid Connector is enabled. Values can be \$true or \$false.

Type: Boolean  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-RelayKey**

Relay key contained in the file received from ODR. This file is down loaded from ODR when the Hybrid Connection is configured in ODR.

Type: SecureString  
Parameter Sets: Relay  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-RelayKeyName**

Relay name contained in the file received from ODR. This file is down loaded from ODR when the Hybrid Connection is configured in ODR.

Type: String  
Parameter Sets: Relay  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-RelayUrl**

The URL contained in the file received from ODR. This file is down loaded from ODR when the Hybrid Connection is configured in ODR.

Type: String  
Parameter Sets: Relay  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-SkipReplication**

Configures the Hybrid Connector to perform a replication via the Azure Active Directory Connector. The values can be either \$true or \$false.

Type: Boolean  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-UsePackedBackups**

Configures the Hybrid Connector use any unpacked backups that are available. The values can be either \$true or \$false.

Type: Boolean  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Confirm**

Prompts you for confirmation before running the cmdlet.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: cf

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Whatif**

Shows what would happen if the cmdlet runs.  
The cmdlet is not run.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: wi

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

**None**

## **OUTPUTS**

**System.Object**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

schema: 2.0.0

## Set-RMADReplicationConsole

### SYNOPSIS

Sets replication properties of consoles in the replication console list.

### SYNTAX

#### Id

```
Set-RMADReplicationConsole [-AccessCredential <PSCredential>] [-Enabled <Boolean>] [-FallbackCredential <PSCredential>] [-FileSyncEnabled <Boolean>] [-SourceFiles <String>] [-TargetFolder <String>] [-Id] <Int32[]> [<CommonParameters>]
```

#### ComputerName

```
Set-RMADReplicationConsole [-AccessCredential <PSCredential>] [-Enabled <Boolean>] [-FallbackCredential <PSCredential>] [-FileSyncEnabled <Boolean>] [-SourceFiles <String>] [-TargetFolder <String>] [-ComputerName] <String[]> [<CommonParameters>]
```

#### InputObject

```
Set-RMADReplicationConsole [-AccessCredential <PSCredential>] [-Enabled <Boolean>] [-FallbackCredential <PSCredential>] [-FileSyncEnabled <Boolean>] [-SourceFiles <String>] [-TargetFolder <String>] [-InputObject] <ReplicationConsole[]> [<CommonParameters>]
```

### DESCRIPTION

Updates user credentials for connecting to a specified computer, and enables/disables the manual and scheduled replication for the console.

### EXAMPLES

#### Example 1

```
PS C:\> C:\>$credential = Get-Credential
C:\>Set-RMADReplicationConsole -ComputerName Hostname1 -AccessCredential $credential -Enabled $true
```

This command changes the credentials for accessing the console on Hostname1, and enables the replication for the console.

## Example 2

```
PS C:\> C:\>Set-RMADReplicationConsole -Id 1 -AccessCredential $credential -Enabled $true
```

This command changes the credentials for accessing the console with specified ID, and enables the replication for the console.

## Example 3

```
PS C:\> C:\>Set-RMADReplicationConsole -ComputerName Hostname1 -FallbackCredential $([System.Management.Automation.PSCredential]::Empty)
```

This command removes the fallback account for the console on Hostname1.

## Example 4

```
PS C:\> C:\>Set-RMADReplicationConsole -Id 1 -FileSyncEnabled $true -SourceFiles "C:\MyProjectFiles\*.frproj" -TargetFolder "C:\MyProjectFiles"
```

This command enables replication of the forest recovery project files for the console with specified ID.

# PARAMETERS

## -AccessCredential

Specifies the user credentials to read data from the target computer. The user must be a local Administrator on the target computer. To obtain the user credentials, create a PSCredential object using the Get-Credential cmdlet provided by Windows PowerShell. If you need to use the credentials of the currently logged in user, specify [System.Management.Automation.PSCredential]::Empty value for this parameter.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## -ComputerName

Specifies the hostname of the replication console.

Type: String[]  
Parameter Sets: ComputerName  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByPropertyName, ByValue)  
Accept wildcard characters: False

## -Enabled

Set replication item enabled.

Type: Boolean  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-FallbackCredential**

Supplies a fallback account for replacing the account that is used by the backup schedule task. The account must have administrator privileges on the system(s) to be backed up. If you need to reset the fallback account, specify [System.Management.Automation.PSCredential]::Empty value for this parameter. You can use this parameter only when Full mode is set for the console.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-FileSyncEnabled**

Enables replication of forest recovery project files.

Type: Boolean  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### **-Id**

Specifies the ID of the replication console.

Type: Int32[]  
Parameter Sets: Id  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByPropertyName, ByValue)  
Accept wildcard characters: False

### **-InputObject**

Specifies the replication console object you want to update.

Type: ReplicationConsole[]  
Parameter Sets: InputObject  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)

Accept wildcard characters: False

### **-SourceFiles**

Specifies which forest recovery project files to replicate from the source console.

Type: String

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

### **-TargetFolder**

Specifies the folder to store the forest recovery project files replicated from the source console.

Type: String

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

### **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

## **OUTPUTS**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

schema: 2.0.0

# Set-RMADReplicationSchedule

## SYNOPSIS

Sets replication schedules for a computer.

## SYNTAX

```
Set-RMADReplicationSchedule [-Schedules <Schedule[]>] -Credential  
<PSCredential> [-WhatIf] [-Confirm]  
[<CommonParameters>]
```

## DESCRIPTION

Sets replication schedules with credentials for the Recovery Manager computer you specify.

## EXAMPLES

### Example 1

```
PS C:\> $credential = Get-Credential  
$schedule=(New-RMADSchedule -Daily -StartDate "9/20/2022 10:00" -  
DaysInterval 1), (New-RMADSchedule -Daily -StartDate "9/20/2022 22:00" -  
DaysInterval 1)  
C:\PS>Set-RMADReplicationSchedule -Schedule $schedule
```

This example illustrates how to replicate computers by using two replication schedules. The first line of this example creates a PSCredential object. The second line of this example creates two replication schedules and stores them in the \$schedule variable. One schedule invokes the replicate operation once in every two days at 10 a.m. Another schedule invokes the replicate operation once in every two days at 10 p.m. The two replication schedules become effective starting from the 20th September 2022. The third line of this example set schedules with credentials to the computer you specify.

### Example 2

```
PS C:\> $credential = Get-Credential  
C:\PS>Set-RMADReplicationSchedule -Credential $credential
```

This command updates the credentials for an existing schedule.

## PARAMETERS

### -Credential

Specifies the user credentials for setting the replication schedule. The user must be a local Administrator on the target computer. To obtain the user credentials, create a PSCredential object using the Get-Credential cmdlet provided by Windows PowerShell.

```
Type: PSCredential  
Parameter Sets: (All)  
Aliases:
```

Required: True  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Schedules**

Causes the computer you specify to use the replication schedule you set by using the New-RMADSchedule cmdlet.

Type: Schedule[]  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Confirm**

Prompts for confirmation before executing the command.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: cf

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **-Whatif**

Describes what would happen if you ran the command without actually running the command.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases: wi

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

## OUTPUTS

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

# Start-RMADHybridRecoveryDiscovery

## SYNOPSIS

Start the Hybrid Recovery Discovery to update the database with a new domain discovered via the backup. This cmdlet is "for internal use only".

## SYNTAX

```
Start-RMADHybridRecoveryDiscovery [-WaitForCompletion] [-IgnoreReadOnly]
[<CommonParameters>]
```

## DESCRIPTION

This cmdlet populates the Hybrid Connector database with a new domain entry which was discovered via the backup. This happens automatically after 10 minutes. This cmdlet is **"for internal use only"**.

## EXAMPLES

### Example 1

```
PS C:\> Start-RMADHybridRecoveryDiscovery
```

### Example 2

```
PS C:\> Start-RMADHybridRecoveryDiscovery -WaitForCompletion
```

Waits for the hybrid recovery discovery process to complete before returning control to the user.

## PARAMETERS

### **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

### **-WaitForCompletion**

Wait for the hybrid recovery discovery process to complete before returning control to the user.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named

Default value: None

Accept pipeline input: False

Accept wildcard characters: False

### **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## INPUTS

**None**

## OUTPUTS

**System.Object**

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

schema: 2.0.0

## Start-RMADReplication

### SYNOPSIS

Performs replication from other computers in the replication console list.

### SYNTAX

```
Start-RMADReplication [-Id <Int32[]>] [-ComputerName <String[]>] [-AsJob]
[<CommonParameters>]
```

### DESCRIPTION

Performs replication from other computers in the replication console list.

### EXAMPLES

#### Example 1

```
PS C:\> Start-RMADReplication
```

This command performs replication.

#### Example 2

```
PS C:\> Start-RMADReplication -AsJob
```

This command performs the replication as a background job.

#### Example 3

```
PS C:\> Start-RMADReplication -Id 1
```

This command performs replication from a replication console by its ID.

#### Example 4

```
PS C:\> Start-RMADReplication -ComputerName ws1
```

This command performs replication from a replication console by its hostname.

### PARAMETERS

#### -AsJob

Runs the command as a background job. You can use this parameter to run commands that take a significant time to complete.

Type: SwitchParameter

Parameter Sets: (All)

Aliases:

Required: False

Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

### **-ComputerName**

Specifies the hostname of the replication console.

Type: String[]  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: True (ByPropertyName, ByValue)  
Accept wildcard characters: False

### **-Id**

Specifies the ID of the replication console.

Type: Int32[]  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: True (ByPropertyName, ByValue)  
Accept wildcard characters: False

### **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

## **OUTPUTS**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

schema: 2.0.0

## Start-RMADReportViewer

### SYNOPSIS

Displays a report about the results of the online comparison or restore operation.

### SYNTAX

```
Start-RMADReportViewer [<CommonParameters>]
```

### DESCRIPTION

Displays a report about the results of the online comparison or restore operation.

### EXAMPLES

#### Example

```
PS C:\> Start-RMADReportViewer
```

Displays the online comparison or restoration report.

### PARAMETERS

#### CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

### INPUTS

### OUTPUTS

### NOTES

### RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

schema: 2.0.0

## Test-RMADBackup

### SYNOPSIS

Checks the integrity of backups registered with Recovery Manager.

### SYNTAX

#### Instance

```
Test-RMADBackup [-InputObject] <BackupInfo[]> [-ShareCredential  
<PSCredential>] [-UseStorageCredential]  
  [<CommonParameters>]
```

#### Id

```
Test-RMADBackup [-Id] <Int32[]> [-ShareCredential <PSCredential>] [-  
UseStorageCredential] [<CommonParameters>]
```

### DESCRIPTION

Checks the integrity of backups registered with Recovery Manager.

This operation calculates the checksum of the backup file and compares it with the checksum stored in the backup.

### EXAMPLES

#### Example 1

```
PS C:\> Get-RMADBackup | Test-RMADBackup
```

Checks the integrity of all backups registered with Recovery Manager.

### PARAMETERS

#### -Id

Specifies the identifier of the backup you want to check.

```
Type: Int32[]  
Parameter Sets: Id  
Aliases:
```

```
Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False
```

## **-InputObject**

Accepts a backup object as input to the cmdlet. Enter a variable that contains the object or type a command or expression that gets the object.

Type: BackupInfo[]  
Parameter Sets: Instance  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

## **-ShareCredential**

Specifies credential for share folder that contains the backup.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-UseStorageCredential**

Uses the account configured in the collection to access the remote storage. If the backup is not associated with any collection or no account is configured for the remote storage, the account specified in the `-ShareCredential` parameter will be used instead.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: `-Debug`, `-ErrorAction`, `-ErrorVariable`, `-InformationAction`, `-InformationVariable`, `-OutVariable`, `-OutBuffer`, `-PipelineVariable`, `-Verbose`, `-WarningAction`, and `-WarningVariable`. For more information, see [about\\_CommonParameters](#).

## INPUTS

QuestSoftware.RecoveryManager.AD.PowerShell.BackupInfo[]

System.Int32[]

## OUTPUTS

System.Object

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

**schema: 2.0.0**

# Test-RMADSecureStorageBackup

## SYNOPSIS

Checks the integrity of a backup on the secure storage server.

## SYNTAX

### Name

```
Test-RMADSecureStorageBackup [-BackupPath] <String> [-Name] <String>  
[<CommonParameters>]
```

### Server

```
Test-RMADSecureStorageBackup [-BackupPath] <String> [-Server]  
<StorageServer> [<CommonParameters>]
```

## DESCRIPTION

Checks the integrity of a backup on the secure storage server. This operation calculates the checksum of the backup file and compares it with the checksum stored in the backup.

## EXAMPLES

### Example 1

```
Test-RMADSecureStorageBackup -Name 'storage' -BackupPath  
'E:\Backups\DC1.rmad.local\2022-09-10 14-54-49.bkf'
```

## PARAMETERS

### -BackupPath

Path to the backup file stored on the secure storage server.

Type: String  
Parameter Sets: (All)  
Aliases:

Required: True  
Position: 1  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### -Name

Specifies the name of the secure storage server.

Type: String  
Parameter Sets: Name  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

### -Server

Specifies the target storage server. Use `Get-RMADStorageServer` to get server objects.

Type: StorageServer  
Parameter Sets: Server  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: True (ByValue)  
Accept wildcard characters: False

### CommonParameters

This cmdlet supports the common parameters: `-Debug`, `-ErrorAction`, `-ErrorVariable`, `-InformationAction`, `-InformationVariable`, `-OutVariable`, `-OutBuffer`, `-PipelineVariable`, `-Verbose`, `-WarningAction`, and `-WarningVariable`. For more information, see [about\\_CommonParameters](#).

## INPUTS

**System.String**

**QuestSoftware.RecoveryManager.AD.PowerShell.Cmdlets.StorageServersManagement.StorageServer**

## OUTPUTS

**System.Object**

## NOTES

## RELATED LINKS

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml

Module Name: Quest.RecoveryManager.AD.PowerShell

online version:

**schema: 2.0.0**

# Update-RMADBBackupAgent

## SYNOPSIS

Upgrades Recovery Manager Backup Agent on a specified computer or on each computer in a particular Computer Collection.

## SYNTAX

### DC

```
Update-RMADBBackupAgent [-Computer] <String> [[-Credentials] <PSCredential>]
[[-ConfigureFirewall] <Boolean>]
[-IgnoreReadOnly] [<CommonParameters>]
```

### Collection

```
Update-RMADBBackupAgent [[-Credentials] <PSCredential>] [[-
ConfigureFirewall] <Boolean>]
[-CollectionName] <String> [-IgnoreReadOnly] [<CommonParameters>]
```

## DESCRIPTION

Allows you to upgrade Recovery Manager Backup Agent on a specified computer or on each computer in a particular Computer Collection.

## EXAMPLES

### Example 1

```
PS C:\> Update-RMADBackupAgent -CollectionName "New Computer Collection"
```

This code upgrades Recovery Manager Backup Agent on each computer in a collection named "New Computer Collection".

### Example 2

```
PS C:\> $credential = Get-Credential
Update-RMADBackupAgent -Computer dc1 -Credentials $credential
```

This code connects to the computer "dc1" under the user represented by the "credential" object and upgrades Recovery Manager Backup Agent there.

## PARAMETERS

### -CollectionName

Specifies the name of the Computer Collection that includes the computers on which Backup Agent should be upgraded.

Type: String  
Parameter Sets: Collection  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### -Computer

Specifies the name of the computer on which to upgrade a Recovery Manager Backup Agent.

Type: String  
Parameter Sets: DC  
Aliases:

Required: True  
Position: 0  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

### -ConfigureFirewall

Specifies whether Recovery Manager automatically configures Windows Firewall on domain controllers to allow backup operations.

Type: Boolean  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: 2  
Default value: None  
Accept pipeline input: False

Accept wildcard characters: False

## **-Credentials**

Specifies the user name and the password of the user account to use for connecting to the target computer and upgrading Backup Agent. Use the Get-Credential cmdlet provided by Windows PowerShell to get the PSCredential object representing user credentials.

Notes:

- The user should be a local Administrator on the target computer.
- If you omit this parameter, Backup Agent will be upgraded under the current user account.

Type: PSCredential  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: 1  
Default value: None  
Accept pipeline input: False  
Accept wildcard characters: False

## **-IgnoreReadOnly**

Allows you to perform the action in a console currently performing full replication.

Type: SwitchParameter  
Parameter Sets: (All)  
Aliases:

Required: False  
Position: Named  
Default value: False  
Accept pipeline input: False  
Accept wildcard characters: False

## **CommonParameters**

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

## **INPUTS**

## **OUTPUTS**

## **NOTES**

## **RELATED LINKS**

---

external help file: QuestSoftware.RecoveryManager.AD.PowerShell.dll-Help.xml  
Module Name: Quest.RecoveryManager.AD.PowerShell  
online version:

schema: 2.0.0

## Update-RMADLicense

### SYNOPSIS

Updates license key file.

### SYNTAX

```
Update-RMADLicense [-File] <String> [<CommonParameters>]
```

### DESCRIPTION

Allows you to update the current license key file to a new one.

### EXAMPLES

#### Example 1

```
PS C:\> Update-RMADLicense -File C:\license.asc
```

Updates current license using license key file C:\license.asc.

### PARAMETERS

#### -File

Full path to a new license key file.

Type: String

Parameter Sets: (All)

Aliases:

Required: True

Position: 0

Default value: None

Accept pipeline input: True (ByValue)

Accept wildcard characters: False

#### CommonParameters

This cmdlet supports the common parameters: -Debug, -ErrorAction, -ErrorVariable, -InformationAction, -InformationVariable, -OutVariable, -OutBuffer, -PipelineVariable, -Verbose, -WarningAction, and -WarningVariable. For more information, see [about\\_CommonParameters](#).

**INPUTS**

**OUTPUTS**

**NOTES**

**RELATED LINKS**

Quest Software creates technology and solutions that build the foundation for enterprise AI. Focused on data management and governance, cybersecurity and platform modernization, Quest helps organizations address their most pressing challenges and make the promise of AI a reality. Around the globe, more than 45,000 companies including over 90% of the Fortune 500 count on Quest Software. For more information, visit [www.quest.com](http://www.quest.com) or follow Quest Software on X (formerly Twitter) and LinkedIn.

## Technical support resources

Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at <https://support.quest.com>.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications
- Download software and technical documentation
- View how-to-videos
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product.