

Macrium Reflect KnowledgeBase

Macrium Reflect 7

New to Macrium Reflect?

We recommend starting with our [Macrium Reflect User Guide](#) article

Need more help?

You can search our [Support Forum](#) where you may find answers to questions not covered by our Knowledgebase.

- [Macrium Reflect User Guide](#)
 - [Introduction](#)
 - [Minimum System Requirements](#)
 - [Feature Comparison Chart](#)
 - [Licensing Policy](#)
 - [New in Version 7](#)
 - [New in 7.1](#)
 - [Upgrade FAQ](#)
 - [Installing Macrium Reflect](#)
 - [Installing and updating Macrium Reflect offline](#)
 - [Installing a Macrium reflect v6 to v7 Upgrade](#)
 - [Macrium Reflect Quick Start](#)
 - [Windows Explorer shell integration](#)
 - [Reviewing your backup history](#)
 - [Removing your License key when Upgrading your PC](#)
 - [What is VSS, how does it work and why do we use it?](#)
 - [Rapid Delta Clone - RDC](#)
 - [Rapid Delta Restore - RDR](#)
 - [Macrium Image Guardian](#)
 - [Why MIG isnt available for 3rd party NAS devices](#)
 - [Rescue Environment](#)
 - [Creating rescue media](#)
 - [Adding a boot menu option for Reflect recovery](#)
 - [Preparing a USB stick for Windows PE](#)
 - [Creating a bootable Windows PE USB stick](#)
 - [Accessing network shares in Windows PE](#)
 - [Technicians portable application support](#)
 - [Adding device drivers to Windows PE](#)
 - [About Adding Drivers to WinPE Rescue Media](#)
 - [Fixing Windows boot problems](#)
 - [Updating rescue media to include additional hardware drivers](#)
 - [Adding iSCSI support to Windows PE](#)
 - [Adding BitLocker support to Windows PE](#)
 - [Restoring an image from within the Rescue Media](#)
 - [Backup, imaging and cloning](#)
 - [Creating a backup image of your](#)

- computer, drive or partitions
 - Retrieving saved XML backup definition
 - How backup sets are created and maintained
 - Backing up files and folders
 - Cloning a disk
 - Backing-up Microsoft Exchange databases
 - Backing up MS SQL Databases
 - Differential and incremental disk images
 - Creating desktop shortcuts for full, incremental and differential backups
 - Viewing Windows VSS Events
 - Alternative Locations For Backups
 - Advanced Options
 - Verifying image and backup files
 - How to backup Hyper-V Cluster Shared Volumes
- Scheduling
 - Scheduling backups
 - Configuring e-mail notifications
 - Running continuous backup of SQL databases
 - Which user name and password is used when scheduling a backup
 - Retention and consolidation
- Restoring and browsing
 - Restoring an image from Windows
 - Understanding partition alignment
 - Browsing Macrium Reflect images and backups in Windows Explorer
 - Restoring a file and folder backup
 - Restoring MS SQL
 - Restoring Exchange databases
 - Restoring an MBR System image to UEFI/GPT
 - Restoring a UEFI/GPT System image to MBR
 - Bare metal restore of a dynamic disk system
 - Drive letters assigned to restored or cloned partitions
 - Restore to VHD
- Re-deploying to new hardware
 - Re-deploying Windows to new hardware using Macrium ReDeploy
 - Using Windows sysprep and deploying using Macrium Reflect
- Macrium Reflect Server Plus
- Scripting and command line operations with Macrium Reflect
 - Installing Macrium Reflect from the command line
 - Using Macrium Reflect from the command line
 - Verifying image and backup files from the command line
- Generating scripts and batch files
 - Generating a VBScript source file
 - Generating an MS-DOS batch file
 - Generating a PowerShell source file
- Backup Folder Synchronization
- Macrium Reflect default settings
- PXE Deployment
- Standalone backup set consolidation
- Converting a Physical machine to Virtual Machine
- Automatic System Restore
- Logging file changes for Incremental and Differential Images
- Troubleshooting
 - Running an elevated command prompt
 - Anti-virus, Registry cleaners and uninstallers
 - 5.3 install/upgrade issues caused by

- security software
- Blue screen with Trend Micro Titanium
- HP Protect service mount issue
- Kaspersky anti-virus conflict with Macrium Reflect
- Macrium Reflect crashes if PretonSaver application is running
- Backup aborted! - Folder not found
- Backup aborted! - None of the specified backup locations could be written to
- Logon failure unknown user name or bad password
- Backup aborted! - Write operation failed - Insufficient system resources ...
- Backup aborted - Write operation failed - The request could not be performed because of an IO device error
- BAD_POOL_HEADER BSOD during backup on Windows XP or 2003
- Can't see SQL Instances in Login Window
- Can I boot Machine A with Windows PE rescue media created on Machine B
- Can I transfer my programs and files to a new computer
- Confirming that Macrium download is genuine
- Diagnostic information
- Driver load issues in WinPE
- Error 0x8007052e - Scheduled task restrictions with Windows Vista Starter and Home Editions
- Error Code 1117 IO error
- Event 513 errors in Windows 8.1
- Hardware: Lenovo Preboot Issue
- Disk boot failure, insert system disk and press Enter
- Troubleshooting Macrium Reflect startup problems
- Macrium Reflect and RAID systems
- Mapped network shares not visible in Macrium Reflect when UAC is enabled
- Message "Not all partitions copied. Insufficient space"
- My CD/DVD Rescue Media will not boot.
- Out of Memory error during File and Folder backup
- Out of memory error on 32-bit systems
- Out of Memory
- ReDeploy Troubleshooting Guide
- Resolving network issues in Windows PE
- Restore View Image Load Errors
- The error "Not all files have been retrieved" when downloading Windows PE - caused by BitDefender Antivirus
- Troubleshooting image browsing problems in Macrium Reflect.
- Troubleshooting installer issues
- Unable to read from disk - Error Code 121 - The semaphore timeout period has expired.
- Unable to re-join a restored machine to an AD domain
- Understanding and resolving backup and restore performance issues
- Understanding Image Verification Failures
- Incompatible Disk Selected
- Internet connection problems when downloading
- BSOD MULTIPLE_IRP_COMPLETE_REQUESTS when creating rescue CD
- Troubleshooting Microsoft VSS errors
 - Identifying, diagnosing and reporting VSS errors
 - Selected writer 'Microsoft Hyper-V VSS Writer' is in failed state
 - 'SPSearch4 VSS Writer' is in failed state! (Result Code: 0x8000ffff)
 - VSS Error: 0x8004230F
 - VSS Error 0x80042318 - Failed to Create

- Volume Snapshot
- VSS Error: 0x80042317: Failed to Create Volume Snapshot
- VSS Error: 0x8004231f - Failed to Create Volume Snapshot 1
- VSS Error - Backup aborted! - Failed To Create Volume Snapshot. Result Code: 0x8004230c
- VSS Error - ERROR: Selected writer 'Dhcp Jet Writer' is in failed state
- VSS Error - ERROR: Selected writer 'NTDS' is in failed state!
- VSS errors occur and Windows Event 12293 is also present on Windows Server 2008 R2 without BitLocker
- VSS fails due to disks with a non-standard sector size
- VSS fails due to modification by 3rd party software
- VSS Error 0x8000ffff Backup aborted! - Failed To Create Volume Snapshot
- VSS Error: 0x800423f3 - Selected writer 'WMI Writer' is in failed state!
- VSS Error: 0x80042306 - Volume Shadow Copy Error
- VSS Error - Selected writer Registry Writer is in failed state
- VSS error:
VSS_E_SNAPSHOT_SET_IN_PROGRESS
- VSS Error - 8193 Unexpected error calling routine ConvertStringSidToSid
- Windows 8/Server 2012 Network Connection Issues under WinPE
- Windows becomes unresponsive when creating a disk image
- Windows Update (and other Windows Features) not working after clone to Advanced Format disk
- Removing a drive letter from the MS System Reserved partition
- Locating missing disks or drives
- Excluding disks when Macrium Reflect starts up
- Troubleshooting USB rescue media
- Incremental or differential specified but no backup set to append to.
- Imaging disks with bad sectors
- Running DiskRestore from Windows PE
- Stopping a SQL Server service automatically when backing up
- Can I use Macrium Reflect to move my installed software to a new machine
- Reparse points in Image backups.
- Protection Strategies Against Ransomware
- Access Denied error when creating a scheduled task
- Understanding Disk IDs
- Backup Aborted! - Unable to lock volume
- Scheduled task save failed: The system cannot find the path specified
- How to check the status of scheduled backups
- Using GMail SMTP Server for sending backup notification emails
- New Rescue Media Available message box at startup
- 'License key has not changed' error when upgrading to Windows 10
- Explorer shell extensions not working after Windows 10 upgrade
- VSS hangs during creating volume snapshot phase
- Windows Explorer shell extensions missing
- Why a Cloned or Restored file system has less used space than the source

- Error A required privilege is not held by the client when building Windows PE
- How to add a user to the Administrators group
- How to disable the backup notification dialog
- VSS Warning EventID: 8230
- Windows 10 Notifications
- Executing a VBScript file opens notepad
- How to copy Encrypted File System (EFS) files from a mounted disk image
- How to create a Rescue Media ISO image file
- Windows 10 Anniversary Update issues
- Windows won't start after upgrading to Macrium Reflect v7 1
- Macrium Reflect v7.0 Update 16th Mar 2017
- How to configure the ReflectMonitor hot key
- Very slow File and Folder backups
- Windows PE download failure with SonicWALL Firewall
- PC wont wake from Sleep to run a backup
- Scheduled task last status error: 0x800710E0
- Error Code 2 - The system cannot find the file specified
- Error 0x80070510 when deleting backup files
- BitLocker Restore Outcomes
- Restore failed - Write failed - Permission denied WriteFilemSystemData failed
- Windows 10 Notifications - 1709 Fall Creators Update
- How to allow your PC to Sleep during a backup
- Network Share Persistence
- XML validation error
- Linux ext file systems used and total space in Reflect
- Windows Insider Preview 17063 BSOD
- Sending backup log output to a text file in PowerShell
- How to exclude files from a Disk Image
- Windows 7 32 bit BSOD after MS Windows Update
- Corrupt Incremental Image Files
- Scheduled Tasks show error 0x40010004
- Windows won't start after upgrading to Macrium Reflect v7