

# Macrium Reflect KnowledgeBase

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## 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.

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- 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
- 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
- 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
- Macrium Image Guardian
  - Why MIG isnt available for 3rd party NAS devices
- Macrium Changed Block Tracker
- Macrium viBoot
- 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

- Backup to the cloud with Azure File Shares
- How to add an auto restore xml file to the rescue media
- Troubleshooting
  - Running an elevated command prompt
  - Anti-virus, Registry cleaners and uninstallers
    - 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
- Backing up non-VSS aware databases
- 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 won't 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
- VSS Timeout
- Windows 10 Insider Preview Build 18234 Bug
- Windows won't start after upgrading to Macrium Reflect v7