Macrium Reflect KnowledgeBase

New to Macrium Reflect?
We recommend starting with our Macrium Reflect v7 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 v7 User Guide
  - Introduction to Macrium Reflect
    - Macrium Reflect Minimum System Requirements
    - Macrium Reflect Feature Comparison Chart
    - Licensing Policy
      - Macrium Services Provider License Agreement explained
      - End User License Agreement
    - New in Version 7
      - Task Scheduler 2.0
    - New in Macrium Reflect 7.1
    - Macrium Reflect Quick Start
    - Windows Explorer shell integration
    - Reviewing your backup history
    - Removing your License key when Upgrading your PC
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    - Rapid Delta Restore - RDR
    - Upgrade FAQ
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      - viBoot installation error when upgrading from 7.0 to 7.1
    - Installing and updating Macrium Reflect offline
    - Installing a Macrium Reflect v6 to v7 Upgrade
  - Backup, imaging and cloning
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      - Windows Partitions
    - Manually running a job from a configured XML backup definition
    - How backup sets are created and maintained
      - How to delete backup files
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      - Microsoft Exchange backup options
    - Backing up MS SQL Databases
    - Creating a disk image of a single drive or partition
    - Differential and incremental disk images
    - Creating desktop shortcuts for full, incremental and differential backups
    - Checking VSS events when backups fail
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    - How to backup Hyper-V Cluster Shared Volumes
  - Restoring and browsing
    - Restoring an image from within Windows

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    - Understanding partition alignment
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        - Browsing Linux Ext File System Images
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    - Restoring a UEFI/GPT System image to MBR
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    - Retention and consolidation
- The Macrium Rescue Environment
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- Macrium Changed Block Tracker
- Macrium viBoot
- Re-deploying to new hardware
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    - Using Windows sysprep and deploying using Macrium Reflect
- Macrium Reflect Server Plus for Exchange and SQL
- Command line operations with Macrium Reflect
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- 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
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  - Anti-virus, Registry cleaners and uninstallers
    - Install and 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 I/O 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 1117 - Backup aborted
  - Event 513 errors in Windows 8.1/10
  - 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 Error
  - 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
    - 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 Result Code 0x8004230f with Event ID 12293 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 - VSS_E_PROVIDER_VETO - 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 the 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 Disk Images
- 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
- Macrium Reflect Explorer shell extensions not available after a Windows 10 in-place 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
- Windows PE build error: "A required privilege is not held by the client"
- How to add a user to the 'Administrators' group
- How to disable the backup notification dialog
- VSS Warning EventID: 8230
- Windows 10 Notifications - Anniversary Update
- Executing a VBScript file opens Windows 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
- Macrium Reflect v7.0.2079 Update - 16th March 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
- Backup aborted! - Unable to read from disk - Error Code 2 - The system cannot find the file specified
- Error 0x80070510 when deleting backup files
- BitLocker Restore/Clone 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 can show a larger used and total space in Macrium Reflect
- Windows Insider Preview 17063 - 17074 BSOD
- Sending backup log output to a text file in PowerShell
- How to exclude files from Disk Images and Clones
- Windows 7 32 bit - pagefault_in_non-paged_area pssnap.sys
- Corrupt Incremental or Differential Image Files
- Scheduled Tasks Error 0x40010004
- VSS Timeout
- Windows 10 Insider Preview Build 18234 Bug
- Windows won't start after upgrading to Macrium Reflect v7