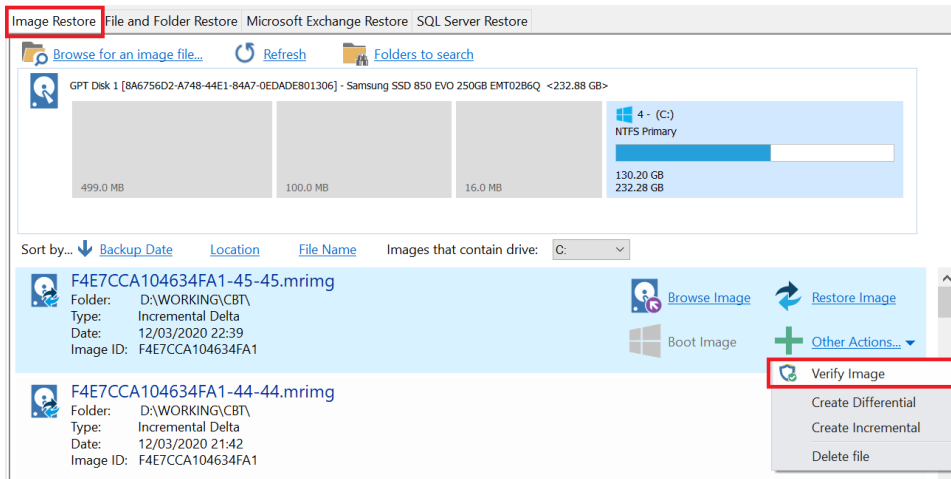# Verifying image and backup files

Backup verification checks the entire contents of backup files against MD5 message digests (Hashes) created from the source data when the backup was created. For more information on the verification process see: Understanding Image Verification Failures

To verify Image and File and Folder backup files using the command line see: Verifying image and backup files from the command line
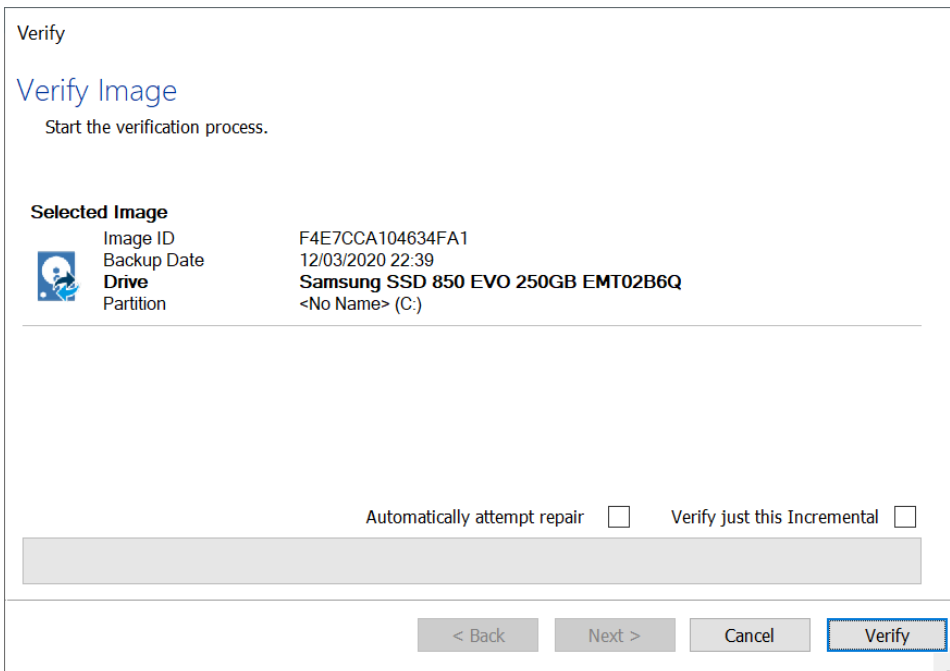
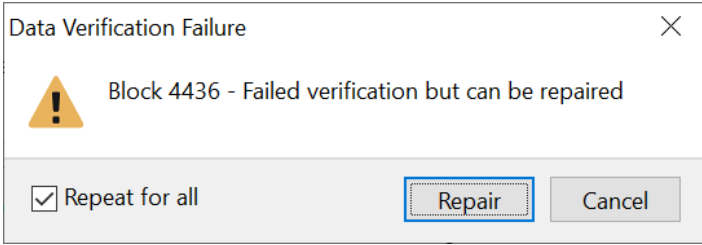To verify using the Macrium Reflect user interface follow the steps below:

Disk Images

1. **Click the 'Image Restore' tab, choose the Image** you want to verify, **click the 'Other Actions..' link** and **select 'Verify Image'**:

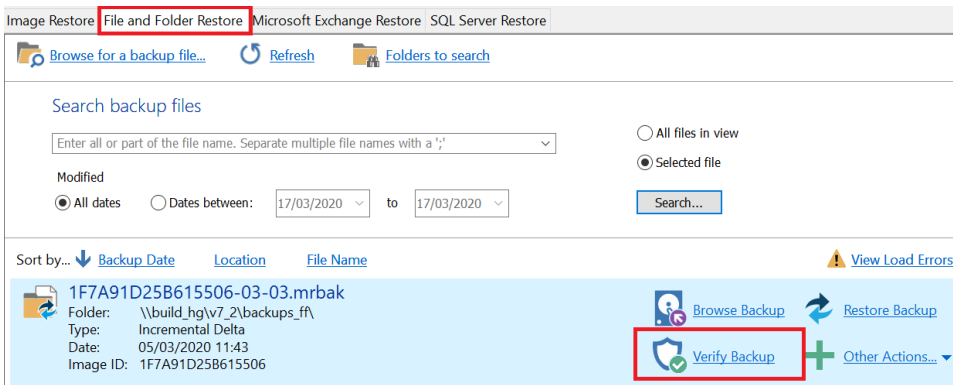2. **Click the 'Verify' button** in the dialog that opens:

Note: If you do not see the '**Automatically attempt repair**' option then please take the **'Other Tasks' > 'Check for updates'** menu option to upgrade to a later release.

Automatically attempt repair	**If selected** and corruption is detected in a backed up data block then the current live file system is checked to see if it contains the original data. If found then the Image file is repaired by replacing the corrupt data. **If not selected** and corruption is detected **and the current live file system contains the original data** then the following message box is shown to either cancel the verification or correct the data: ![Data Verification Failure dialog: Block 4436 - Failed verification but can be repaired. Repeat for all checkbox selected, Repair and Cancel buttons] Selected 'Repeat for all' to repair subsequent blocks automatically. **Note:** Verification will halt on the first un-repairable block detected.
Verify just this Incremental	By default, the entire backup set required to restore the selected backup file will be verified. Select this option to just verify the integrity of the selected Differential or Incremental.

File and Folder Backups

1. **Click the 'Restore' tab, choose the File and Folder backup** you want to verify and **click the 'Other Actions..' link** and **select 'Verify Image'**:

2. **Click the 'Verify' button** in the dialog that opens:

Verify

Verify Image

Start the verification process.

Selected Image

	Image ID	1F7A91D25B615506
	Backup Date	05/03/2020 11:43
	Drive	**File Backup Virtual Drive**
	Partition	File Backup Virtual Drive

Verify just this Incremental ☐

< Back	Next >	Cancel	**Verify**

Verify just this Incremental	By default, the entire backup set required to restore the selected backup file will be verified. Select this option to just verify the integrity of the selected Differential or Incremental.