Verifying image and backup files from the command line

Introduction

This article explains how to verify Macrium Reflect image and backup files using the standalone command line verification tool **'mrverify.exe'. mrverify. exe** supports individual file verification as well as folder and sub-folder file search and verification.

To verify backups using the Macrium Reflect user interface see: Verifying image and backup files

Please use the link below to download:
http://updates.macrium.com/reflect/utilities/mrverify.exe
Please note that **mrverify.exe** *must be run from an Administrator command prompt. For instructions on how to do this please see* here.

The following command line switches are supported:

```
mrverify.exe "full path to image file or folder" -p[--password] "password" -r[--recurse] -x[--fix] -l[--logfile] "logfile name"
```

File name or path with wild card can be used. e,g;

```
d:\backups\*
```

or

```
d:\backups\1FF33614674A6438-00-00.mrimg
```

Switch	Description
-p OR **--password**	The optional password that was used to protect and/or encrypt the backup
-r OR **--recurse**	Scan all sub-folders if a folder is specified. The default is not to recurse.
-l OR **--logfile**	Full path to output log file. This file will be created for each run and contains the file name and verification status **'success'** or '**fail'** .
-s OR **--set**	Verify all files in the set. Use if verifying individual file s to ensure they can be restored. When verifying all files in a folder this isn't necessary. The default is not to verify the entire set.
-h OR **--help**	This help output
-x OR **--fix**	Attempt to fix failed blocks if the current live file system contains the original data.

Examples:

```
mrverify.exe "d:\backups\1FF33614674A6438-00-00.mrimg"
```

```
mrverify.exe "d:\backups\1FF33614674A6438-00-00.mrimg" --set --password "mypassword" -l "c:\verifylog.txt"
```

```
mrverify.exe "d:\backups\*" --password "mypassword" -r -l "c:\verifylog.txt"
```

On success mrverify.exe will return '0'. If any file fails verification then the return code will be '1'.

The following success/failure text will be displayed in the command window and log:

Verify Success	The file contained no errors.
Verify Failure	The file could not be verified successfully. Try the verification process again using the Macrium Reflect user interface. This may give more information on the problem.
Backup set is not complete. At least one file may be missing	At least one backup file required to restore this file cannot be opened and/or located in the same folder. This message is displayed as a **Warning** or an **Error** failure condition if the **--set** command line switch is used.
Password Error	The backup file is password protected and/or encrypted and the supplied password is not correct.
Block 99999 - Repaired	The **-x** OR **--fix** switch was used and a data block has been repaired.