

# 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] -l[--logfile] "logfile name"
```

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

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

or

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

Switch	Description
<b>-p OR --password</b>	The optional password that was used to protect and/or encrypt the backup
<b>-r OR --recurse</b>	Scan all sub-folders if a folder is specified. The default is not to recurse.
<b>-l OR --logfile</b>	Full path to output log file. This file will be created for each run and contains the file name and verification status ' <b>success</b> ' or ' <b>fail</b> ' .
<b>-s OR --set</b>	Verify all files in the set. Use if verifying individual files 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.
<b>-h OR --help</b>	This help output

Examples:

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

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

<b>Verify Success</b>	The file contained no errors.
<b>Verify Failure</b>	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.
<b>Backup set is not complete. At least one file may be missing</b>	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 <b>Warning</b> or an <b>Error</b> failure condition if the <b>--set</b> command line switch is used.
<b>Password Error</b>	The backup file is password protected and/or encrypted and the supplied password is not correct.

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