

# Calculate File MD5 Action

The File MD5 action enables you to automate the calculation of a file's MD5. The action can also fail if the MD5 differs from another file or a specified MD5.

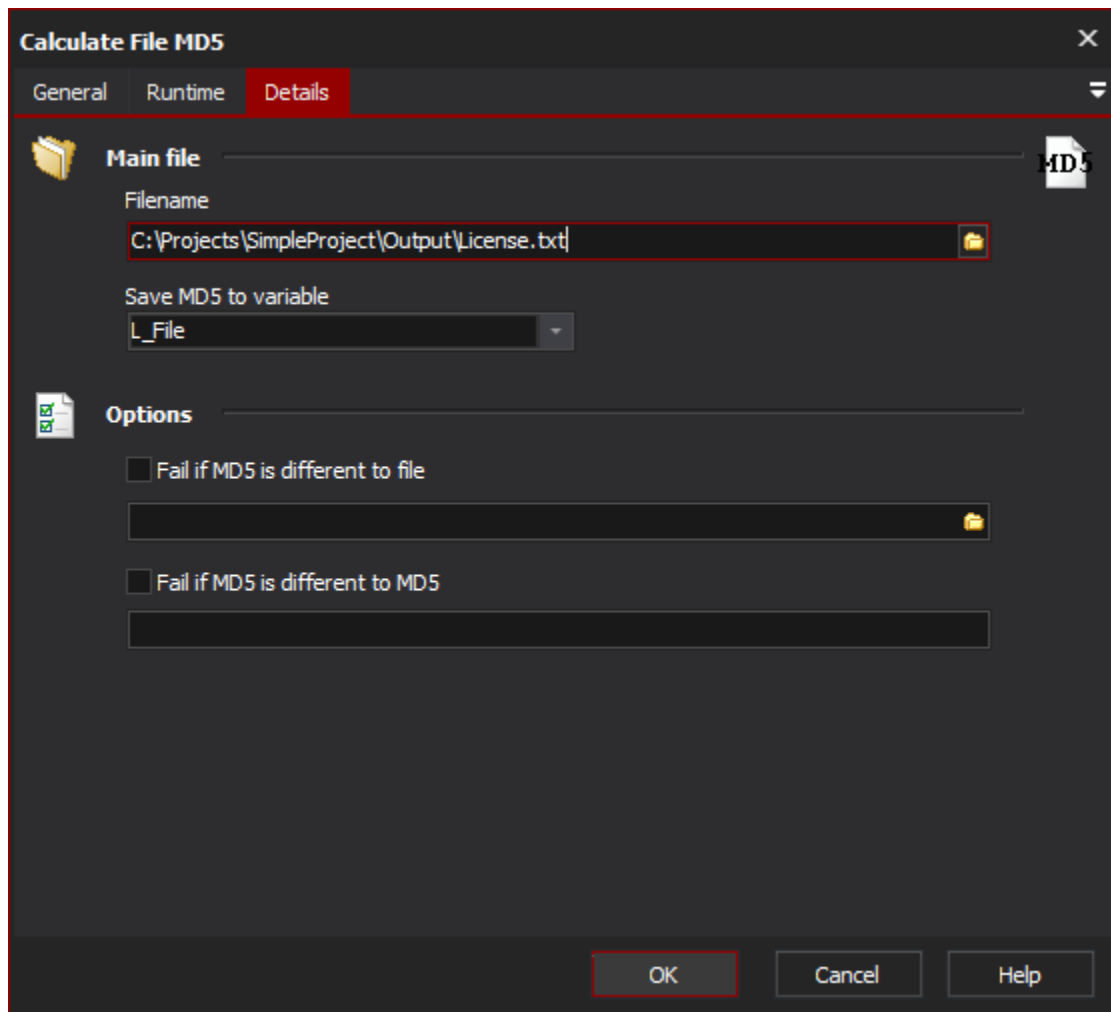
## What is MD5?

The MD5 algorithm takes as input a message of arbitrary length and produces as output a 128-bit "fingerprint" or "message digest" of the input. It is conjectured that it is computationally infeasible to produce two messages having the same message digest, or to produce any message having a given pre-specified target message digest. The MD5 algorithm is intended for digital signature applications, where a large file must be "compressed" in a secure manner before being encrypted with a private (secret) key under a public-key crypto system such as RSA.

In essence, MD5 is a way to verify data integrity, and is much more reliable than checksum and many other commonly used methods.

On this page:

## Details



The screenshot shows the 'Calculate File MD5' dialog box with the 'Details' tab selected. The 'Main file' section has a 'Filename' field containing 'C:\Projects\SimpleProject\Output\License.txt' and a 'Save MD5 to variable' dropdown set to 'L\_File'. The 'Options' section has two checkboxes: 'Fail if MD5 is different to file' and 'Fail if MD5 is different to MD5', both of which are unchecked. There are empty text fields next to each checkbox. The dialog has 'OK', 'Cancel', and 'Help' buttons at the bottom.

**Calculate File MD5**

General Runtime **Details**

**Main file**

Filename  
C:\Projects\SimpleProject\Output\License.txt

Save MD5 to variable  
L\_File

**Options**

☐ Fail if MD5 is different to file

☐ Fail if MD5 is different to MD5

OK Cancel Help

### Main file

#### Filename

Specify the file which you want to calculate the MD5 for.

#### Save MD5 to variable

Specify the Automise variable to save the calculated file MD5 to.

## **Options**

### **Fail if MD5 is different to file**

This calculates the MD5 of the specified file and compares it against the MD5 of the main file and fails the action if the two differ.

### **Fail if MD5 is different to MD5**

Specify a MD5 to compare to the calculated MD5 of the main file