

Using Output Monitors

Here we use [Output Monitors](#) to solve the problem of finding the most recent file in a directory. In this example, we want to find the most recently changed file in the `c:\builds\source` directory. This DOS command lists the files in order from oldest to newest: "*dir /b /od /a-d c:\builds\source*.**".

The output is as follows:

```
LOGOSTRS.PAS
LOGOMAIN.PAS
ABOUT.PAS
hello.pas
BBXAbt.pas
bbxmain.pas
ttree.pas
logging.pas
servtest.pas
```

Thus, we use an Output Monitor to retrieve the last line of the output.

1. Create a variable

First, [create a variable](#) to hold the name of the most recent file. Call it "filename".

2. Create a [Run DOS Command / Batch File](#) action

Action Output Monitors

Output Monitor

Search String: *

☐ Case Sensitive ☒ Use Wildcards (* and ?) ☐ Whole Words Only ☐ Regular Expression

Behaviour: Save Last Match to Variable

Variable: FileName

Add New Output Monitor

OK Cancel Help

The **Search String** defines what lines of text are selected. In this case, we don't care what the text is - we just want the last one. So the *, combined with **Use Wildcards** matches any text.

The **Behaviour** lets you choose options like failing if the text doesn't match. The **Save Last Match to Variable** option is obviously the appropriate one here.

4. Choose the Variable you created - Filename.

The final result looks like this:

Run



Build Running
Start time: 17:24:29
Run time: 00:00:11

Projects

Properties

Run

Welcome

New Project x.fbz7

Description	Enabled	Ignore Failure	Status
 Run DOS Co...	☒	☐	Completed
 MessageBox ...	☒	☐	Running

Main

OnFailure

Build Log

☒ Live Log View

☐ Show Full Log

☐ Show all

Message

New Project x.fbz7

Main

 Run DOS Command / Batch File [dir /b /

 Executing external process: C:\W

Output Monitor : Matching string for

 MessageBox [Most recent file]

17:24:29:957

Most recent file

The most recent file is: .MySCMServerInfo

OK

Context

Search:

End Time	Run Time
17:24:29:957	00:00:00:205

Watches

Script Editor

Build Log

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