

Betriebssysteme Bsp2: mypopen

2.0

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Chapter 1

File Index

1.1 File List

Here is a list of all files with brief descriptions:

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| mypopen.c | | 3 |
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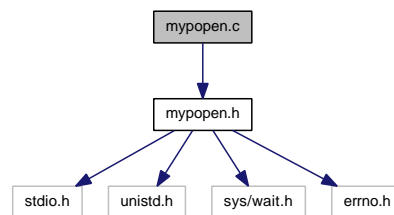
Chapter 2

File Documentation

2.1 mypopen.c File Reference

```
#include "mypopen.h"
```

Include dependency graph for mypopen.c:



Functions

- FILE * [mypopen](#) (const char *command, const char *type)
initiate a pipe stream to or from a process
- int [mypclose](#) (FILE *stream)
close a pipe stream to or from a process

Variables

- static pid_t [pid](#) = -1
- static FILE * [global_stream](#) = NULL

2.1.1 Detailed Description

Betriebssysteme mypopen file Beispiel 2

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Date:

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Version:

1.0.0

Definition in file [mypopen.c](#).

2.1.2 Function Documentation

2.1.2.1 `int mypclose (FILE * stream)`

Parameters:

stream the stream to be closed

Returns:

the exit status of the process or -1 in case of error

Definition at line 133 of file mypopen.c.

References `global_stream`, and `pid`.

2.1.2.2 `FILE* mypopen (const char * command, const char * type)`

Parameters:

command the command to be executed

type the I/O mode (r/w)

Returns:

a file pointer or NULL in case of error

Definition at line 42 of file mypopen.c.

References `global_stream`, and `pid`.

2.1.3 Variable Documentation

2.1.3.1 `FILE* global_stream = NULL` [`static`]

a global variable containing the pipe stream pointer initiated by mypopen

Definition at line 32 of file mypopen.c.

Referenced by `mypclose()`, and `mypopen()`.

2.1.3.2 `pid_t pid = -1` `[static]`

a global variable containing the process id returned by fork

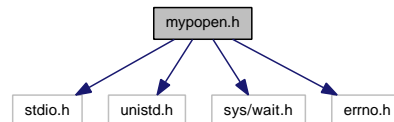
Definition at line 20 of file mypopen.c.

Referenced by mypclose(), and mypopen().

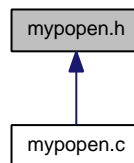
2.2 mypopen.h File Reference

```
#include <stdio.h>
#include <unistd.h>
#include <sys/wait.h>
#include <errno.h>
```

Include dependency graph for mypopen.h:



This graph shows which files directly or indirectly include this file:



Functions

- FILE * [mypopen](#) (const char *command, const char *type)
initiate a pipe stream to or from a process
- int [mypclose](#) (FILE *stream)
close a pipe stream to or from a process

2.2.1 Detailed Description

Betriebssysteme mypopen file Beispiel 2

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Date:

2016/04/22

Version:

1.0.0

Definition in file [mypopen.h](#).

2.2.2 Function Documentation

2.2.2.1 int mypclose (FILE * *stream*)

Parameters:

stream the stream to be closed

Returns:

the exit status of the process or -1 in case of error

Definition at line 133 of file myopen.c.

References global_stream, and pid.

2.2.2.2 FILE* mypopen (const char * *command*, const char * *type*)

Parameters:

command the command to be executed

type the I/O mode (r/w)

Returns:

a file pointer or NULL in case of error

Definition at line 42 of file myopen.c.

References global_stream, and pid.

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